Title

公表文献調査報告書

イミダクロプリド

Summary of the literature data for

Imidacloprid

Date

2022/6/16

2022/9/ 6 修正

Autuor(s)

[redacted]

バイエルクロップサイエンス株式会社

Bayer CropScience K.K.

目次

別添

概要

イミダクロプリドに関する公表文献の検索を「再評価における公表文献の提出について」（令和3年10月1日　3消安第3460号）及び「公表文献の収集、選択などのためのガイドライン」（令和3年9月22日　農業資材審議会農薬分科会決定、以下、「文献ガイドライン」）に従い実施した。

再評価資料の提出期限の始期の6か月前から過去15年間 (2006年4月1日～2021年3月31日、以下、「公表文献収集期間」)が公表文献の収集期間となるが、データベースが一定間隔で更新されることを考慮して、公表文献収集期間よりも広い期間 (2006年1月1日～2021年3月31日)の公表文献について、STNプラットフォームを利用して13の科学論文データベースからイミダクロプリドに関する公表文献を検索した。検索は、化合物名、影響及び生物種により行った。また、国際機関や欧米の評価機関の評価書に引用されている文献 (以下、「海外評価引用文献」)の一部は、STNプラットフォームを利用した検索により収集されなかったため、STNプラットフォームで検索された文献リストに海外評価引用文献を追加した。更に、ここから公表文献収集期間外のもの及び重複を除いて、イミダクロプリドに関して収集した公表文献とした。
このように収集したイミダクロプリドに関する公表文献から、まず、海外評価引用文献を抽出した。抽出した海外評価引用文献のうち、日本の評価において明らかに利用されないと考えられる文献は適合性なしと判断した。残りの海外評価引用文献は、適合性分類及び信頼性評価をせずに(一部の文献についてはこれらの分類及び評価を行った)、評価終了とした。続いて、海外評価引用文献以外の残りの文献について、表題と要約による適合性の確認(Rapid Assessment (RA))を行った。続いて、RA で適合性ありと判断された文献に関して、文献全文による適合性分類（Detailed Assessment (DA))を行った。更に、DAで適合性区分aとされた文献については、信頼性を確認した。また、海外評価引用文献及びRAで適合性ありと判断された文献については、分野(ヒトに対する毒性、農産物及び畜産物への残留、生活環境動植物及び家畜に対する毒性、環境動態)の特定を行った。

以上の結果、公表文献収集期間に発行された文献のうちデータベース間の重複を除いた全文献数が9115文献(このうち、STNプラットフォームで検索されず海外評価引用文献であるために追加した文献数は50)、海外評価引用文献のうち適合性が否定されなかったものが190文献、適合性区分aが18文献、適合性区分bが44文献、適合性区分cが51文献であった。

詳細を付録1～8に示す。

検索に使用したキーワード及び検索条件を別添1に示した。
適合性評価の第2段階で「適合性なし」と判断した論文リストを別添2に示した。
適合性評価の第2段階で「区分a」「区分b」「区分c」へ分類された論文リストを別添3に示した。
海外評価引用文献について、引用した機関、引用された評価書名、発行年等の情報を別添4に示した。
一部の文献については、文献の適合性及び信頼性判断理由を別添5に別途記載した。
ヒトに対する毒性の論文については、他の分野の論文と区別なくその評価結果を本文献調査報告書に収載し報告した上で、別途、内閣府食品安全委員会「残留農薬の食品健康影響評価にお

ける公表文献の取扱いについて（令和 3 年 3 月 18 日 農薬第一専門調査会決定）」の別添様式例 1 及び 2 に従った一覧を作成し、別添 6 に示した。
適合性区分 a、b 及び c の文献及び海外評価引用文献(適合性なしと判断されなかったもの)については、別添 7 にコピーを添付した。

付録

1　検索に用いたデータベース、検索日及び検索に用いたデータベースに関する情報

表 1　文献検索に用いたデータベースの概要

データベース名	データベースの特徴、収載分野等	収載範囲、文献数	更新頻度	検索日	検索対象期間
Agricola	農業、食品化学、栄養学等、農業及びその関連分野の情報が世界の主要な文献から収録されている。	7,100,000 件以上（2020 年 9 月現在）。収録年代は 1970 年以降。	毎月	2021 年 10 月 12 日	2006 年 1 月 1 日 ～ 2021 年 3 月 31 日
Biosis	生物学を含むライフサイエンス分野全般を広く収録。	27,800,000 件以上（2019 年 4 月現在）。収録年代は 1926 年以降。	毎週		
CABA	林学、獣医学、食品を含む農学関連の全分野	9,900,000 件以上（2020 年 9 月現在）。収録年代は 1973 年以降。	毎週		
Chemical Abstracts	生化学、有機化学、高分子化学、応用科学、分析など化学及び周辺分野。	43,700,000 件以上（2021 年 3 月現在）。収録年代は 1907 年以降。	毎週		
Derwent Drug File (DRUGU)	合成、分析、生化学、薬理学、代謝、毒性学など医薬品に関する全ての分野。	1,817,971,000,000 件以上（2020 年 9 月現在）。収録年代は 1983 年以降。	毎週		
EMBASE	生物医学及び薬学領域。医薬品に関連する文献を多く収録。	36,400,000 件以上（2019 年 8 月現在）。収録年代は 1947 年以降。	毎日		
Esbiobase	生物学研究に関する全分野。	8,500,000 件以上（2020 年 9 月現在）。収録年代は 1994 年以降。	毎週		
IPA	米国薬剤師会が製作し、薬学及び健康関連文献等を収録する。	682,900 計以上（2019 年 8 月現在）収録年代は 1970 年以降。	月 2 回		
Medline	生物医学及び薬学、歯学、看護学、獣医学など。	30,000,000 件以上（2019 年 8 月現在）。収録年代は 1946 年以降。	週 6 回		
PQSciTech	収録範囲は農業、医学、環境学、海洋学、薬剤学など非常に広く、エンジニアリングからライフサイエンスに及ぶ科学・技術分野。	33,600,000 件以上（2021 年 1 月現在）。収録年代は 1962 年以降	毎月		
Scisearch	主要な科学、技術、医学雑誌等を収録する。	47,700,000 件以上（2019 年 8 月現在）。収録年代は 1974 年以降	毎週		
Toxcenter	薬物や化学物質の薬理学的、生化学的、生理学的、毒物学的作用に関する情報を収録。	14,400,000 件以上（2019 年 8 月現在）。収録年代は 1907 年以降	毎週		
FSTA	食品化学と食品工業分野の文献情報	1,590,000 件以上（2020 年 9 月現在）。収録年代は 1969 年以降	毎週		

(参照)　https://www.jaici.or.jp/stn/dbsummary/db.html

2　検索に使用したキーワード、検索の条件

(1) 対象とする農薬

表 2 に記載した条件でイミダクロプリドに関する文献を検索した。

表 2　検索条件

一般名	Imidacloprid
IUPAC 名	1-(2-Chloro-5-pyridylmethyl)-2-(N-nitroimino)imidazolidene
CAS 番号	138261-41-3
検索に使用したキーワード、検索の条件	別添 1 に示した

(2) 検索対象となる影響

影響を幅広く検索するため、別添 1 に示したいずれかのキーワードが含まれる場合に検索されるように設定した。

(3) 検索対象の生物種等

生物種等を幅広く検索するため、別添 1 に示したいずれかのキーワードが含まれる場合に検索されるように設定した。

3　評価目的との適合性評価 (第 1 段階、第 2 段階)及び信頼性評価で設定した判断基準

(1) 第 1 段階：文献の表題及び概要に基づく適合性評価 (RA)

第 1 段階として、文献の表題及び要約に基づき、下記の①から⑮、⑲、⑳等に該当するものは明らかに評価の目的と適合しない文献と見なした。

① 当該農薬と関係しない論文 (当該農薬の代替剤等)
② 政策、社会、経済分析に関する論文
③ 農産物等の生産、流通に関する論文
④ 薬効、薬害、物理的化学的性状に関する論文
⑤ 分析法やその開発に関する論文
⑥ 新規合成法や基礎化学の観点で記載された論文
⑦ 特許関連文献
⑧ リスク評価をする上で十分なデータや情報を含まない学会発表等の概要や総説、成書
⑨ リスク評価に使用できる新規のデータが提示されていない意見書
⑩ 科学論文や規制についての総説を含む二次情報において、当該文献が参照する一次資料(原著)の確認ができないもの
⑪ 一般的な農薬の暴露に関する論文 (当該農薬に限定せず、広範囲の農薬について記載されたもの)
⑫ 異なる有効成分に由来する混合製剤の毒性に関する論文
⑬ 4 分野 (ヒトに対する毒性、農産物及び畜産物への残留、生活環境動植物及び家畜に対する毒性、環境動態)に関係しない論文
⑭ 日本で登録されている処方以外の製剤に関する論文
⑮ コンピュータシミュレーション等を用いたドライラボのみの論文
⑲ 日本語、英語以外の論文
⑳ 適用外使用（誤飲，誤食）などによる症例報告

(2) 第 2 段階：文献の全文に基づく適合性評価 (DA)

第 1 段階で除外した以外の公表文献については、文献全文の内容に基づいて、以下の手順に従って評価目的との適合性を検証し、その結果により分類した。

(ア) 評価の目的と適合しない文献の除外

文献全文の内容に基づき、(1) 第 1 段階の「文献の表題及び概要に基づく適合性評価 (RA)」に示した①から⑮、⑲、⑳等に加え、以下の⑯から⑱に該当するものは明らかに評価の目的と適合しない文献と見なした。

⑯ 試験設計、試験系、試験種、被験物質、暴露経路等が評価に活用する観点で妥当でないもの
a) 試験方法が記載されていないもの
b) 適切に評価できる試験種で実施されていないもの
c) 適切な経路で投与／処理されていないもの

d) 投与又は処理した被験物質量が明記されていないもの
e) 添加に用いた媒体が確認できないもの
f) 分析法が記載されていないもの

⑰ 日本の代表的な使用方法／使用条件における評価に活用できない文献（ほ場条件、土性等）

⑱ 日本の評価に用いられるエンドポイントが得られていない論文

(イ) 評価の目的と適合した文献の分類

(ア)で除外した以外の文献については、適合性があると判断した文献とし、下記①の分類基準に従って全文をレビューし、下記②の 3 つの区分に分類した。

① 分類基準

1. 実施している試験環境がテストガイドライン (TG)で定める条件と合っていること
2. 投与又は処理した被験物質の純度が明記されていること
3. 統計解析が可能な動物数／例数が確保されていること
4. 複数の用量で実施されていること (最低 3 用量で実施)
5. 無処理区 (コントロール区)が設定されており、TG に照らしその結果が適正であること
6. 解析方法及び結果が報告されていること

ヒトに対する毒性に関して、区分 a に該当するかどうかについては、食品安全委員会で示された「定量的データ」として分類される下記基準を参考とした。

- 公表文献で用いられた用量が、研究内容と同等である安全性試験で用いられた最低用量よりも低いこと
- 公表文献の研究結果が、他の試験結果と比較できる単位を用いて報告されていること
- 研究の結論、エンドポイント及び用量が正確で、信頼でき、妥当であることを実証するための十分な情報が公表文献中に提供されており、研究結果が再現される可能性があると判断できること

② 分類区分

表 3 適合性分類基準

区分	該当する文献
a	リスク評価パラメーター(ADI、ARfD、AOEL、残留基準、生活環境動植物の登録基準、水域 PEC 等)を設定又は見直すために利用可能と判断される文献
b	リスク評価パラメーターを設定する際の補足データとして利用が可能と想定される文献
c	a 又は b に分類されない文献

(ウ) 結果の信頼性に基づく分類

評価目的への適合性評価において「区分 a」に分類した文献については、Klimisch における分類を参考として、下記の分類基準に基づき、信頼性を評価した。

表 4　Klimisch 基準の概要

分類	信頼性	判断基準
1	信頼性あり (制限なし)	以下のいずれかの試験/データに該当する場合。 ・有効性が確認された方法又は国際的に認められたテストガイドラインに基づいて実施されている（GLP 適合が望ましい）。 ・試験項目（評価パラメーター）が特定（国レベル）のテストガイドラインに基づいている。 ・全ての試験項目がテストガイドラインに示された方法と関連性が強い/同等により報告されている。
2	信頼性あり (制限あり)	以下のいずれかの試験/データに該当する場合（大抵は非 GLP 試験）。 ・試験項目は特定の試験ガイドラインに完全には準拠していないが、内容が受け入れ可能である。 ・試験方法がテストガイドラインから逸脱しているものの、詳細な報告に基づき科学的に受け入れ可能な結果が示されている。
3	信頼性なし	試験系、被験物質又は暴露経路の妥当性、記載情報の不十分さ等の観点から、エキスパートジャッジのためには許容できないと考えられる試験/データ
4	評価不能	試験の詳細が不明であり、要約のみの記載又は二次情報（書籍、総論等）として記載された試験/データ

生活環境動植物及び家畜に対する毒性並びに環境動態の分野については、6278 号局長通知で定めるテストガイドラインへの適用状況を中心にそれぞれ以下のような分類基準を設定し、Klimisch 基準のどの分類に該当するかを判断した。

(ア) 生活環境動植物及び家畜に対する毒性

① 水生生物試験では、被験物質が水に溶解していること
② 供試した生物種の由来、飼育条件、系統、週齢、体重あるいは体長、等が明らかであること
③ 試験期間の環境（温度等）が TG に照らし適切であること
④ 試験期間を通じて計画した濃度で被験物質に暴露していること
⑤ 経時的な観察記録や結果の確認がなされていること

(イ) 環境動態

① 試験系の条件が明記されていること（たとえば、土壌の試験であれば、土性、pH、有機炭素含量、密度、水分含量、微生物活性等）
② 試験に使用した土壌等が TG で定める条件を満たしていること
③ サンプリング方法が TG で定めた条件をみたしていること

④ サンプリング後の試料の保管中の被験物質の安定性が検証されていること
⑤ サンプリング後の試料の保管条件が明記されていること

なお疫学調査については、A systematic approach for evaluating and scoring human data (Chris D. Money, John A. Tomenson, Michael G. Penman, Peter J. Boogaard, R. Jeffrey Lewis, 2013) に基づき信頼性を評価した。

4 国際機関や欧米の評価機関の評価書に引用されている文献の適合性評価

文献ガイドラインでは、国際機関や欧米の評価機関の評価書に引用されている文献(「海外評価引用文献」)については、適合性分類、信頼性評価を経ずしてリスク評価機関に送付することとされている。しかしながら、これらの評価書に引用されていたとしても、それらの評価書の中で個別文献の内容について信頼性の判断等の評価がなされていない場合がある。また、海外では評価対象の範囲であったとしても、日本においては評価されていない分野、生物種の場合もあり、このような文献は海外評価引用文献であっても日本の評価には適合性がないものと考えられる。そのため、EPA 及び EFSA の評価書 [1)]で引用されている文献ついて、3(1)第 1 段階及び 3(2)第 2 段階(ア)に示した判断根拠を基に、日本の評価の目的に明らかに適合しないと考えられる文献、及び海外評価で適合性なし等と判断されている文献は適合性なしと分類した。ここで適合性なしと分類した文献については、そのコピーの提出は不要と判断した。なお、FAO/WHO 合同残留農薬専門家会議 (JMPR)における評価では公表文献は参照されていなかった。

1) 1. EPA: draft Biological Evaluation, 2021
   2. EPA: Final Bee Risk Assessment to Support the Registration Review of Imidacloprid, 2020
   3. EFSA: Peer review of the pesticide risk assessment for bees for the active substance imidacloprid considering the uses as seed treatments and granules, 2018
   4. EFSA: Conclusion on the peer review of the pesticide risk assessment for bees for the active substance imidacloprid considering all uses other than seed treatments and granules, 2015 / Scientific services to support EFSA systematic reviews: Lot 5 Systematic literature review on the neonicotinoids (namely active substances clothianidin, thiamethoxam and imidacloprid) and the risks to bees, 2015
   5. EFSA: Scientific opinion on the developmental neurotoxicity potential of acetamiprid and imidacloprid, 2014
   6. EPA: Imidacloprid Proposed Interim Registration Review Decision Case Number 7605, 2020
   7. EPA: Imidacloprid: Human Health Draft Risk Assessment for Registration Review, 2017 (公表文献の引用無し)

5 検索結果のまとめ

表 5 評価目的との適合性評価 (第 1 段階、第 2 段階)の結果のまとめ

分野	該当する論文数	海外評価引用文献		第 1 段階 2)		第 2 段階 2)	
		適合性なし 1)	左記以外	適合性なし 3)	それ以外 (第 2 段階へ)	適合性なし	適合性あり
ヒトに対する毒性	-	13	7	-	166	104	62
農作物及び畜産物への残留	-	11	0	-	109	109	0
生活環境動植物及び家畜に対する毒性	-	481	175	-	741	718	23
環境動態	-	13	8	-	181	153	28
合計	9115	518	190	7210	1197	1084	113

1) 日本の評価において明らかに適合性のないもの

2) 海外評価引用文献を除く

3) 第 1 段階では「適合性なし」の文献の分野分けを行っていない

表 6 適合性評価第 2 段階で適合性ありとされた文献と分類結果

分野	区分 a	区分 b	区分 c	計
ヒトに対する毒性	1	41	20	62
農作物及び畜産物への残留	0	0	0	0
生活環境動植物及び家畜に対する毒性	5	1	17	23
環境動態	12	2	14	28
合計	18	44	51	113

6　適合性評価の第 2 段階で「適合性なし」と判断した論文リストとその理由

別添 2 に示した。

7　適合性評価の第 2 段階で「区分 a」「区分 b」「区分 c」へ分類された論文リストとその理由

分野別に別添 3 に示した。

8　海外評価引用文献について、引用した機関、引用された評価書名、発行年等の情報

適合性なしとそれ以外に分けて、分野別に別添 4 に示した。

公表文献調査報告書

イミダクロプリド

別添 **1**

検索キーワード及び検索条件

1. 検索条件

表 1 に記載した条件でイミダクロプリドに関する文献を検索した。

表 1　検索条件

一般名	Imidacloprid
IUPAC 名	1-(2-Chloro-5-pyridylmethyl)-2-(N-nitroimino)imidazolidene
CAS 番号	138261-41-3
検索に使用したキーワード、検索の条件	(138261-41-3 OR 105827-78-9 OR "1-(2-CHLORO-5-PYRIDYLMETHYL)-2-(N-NITROIMINO)IMIDAZOLIDINE" OR "1-(6-CHLORO-3-PYRIDYLMETHYL)-N-NITROIMIDAZOLIDIN-2-YLIDENEAMINE" OR "1-[(6-CHLORO-3-PYRIDINYL)METHYL]-4,5-DIHYDRO-N-NITRO-1H-IMIDAZOL-2-AMINE" OR AE-F 106464 OR AEF 106464 OR AEF106464 OR (ADMIRE OR GAUCHO OR MARATHON OR GENESIS OR COMMANDO OR PREMISE OR ALIAS OR MERIT OR PASADA)(W)(RTM OR TM OR R) OR CONFIDOR OR IMIDACLOPRID OR TRIMAX OR PROVADO) NOT P/DT AND any keyword or combination of keywords listed in 表 2

2. 検索対象の影響及び生物種等

L2～L54 に示す影響又は生物種等のいずれかのキーワードが含まれる場合に検索されるように設定した。

表 2　検索対象の影響及び生物種等

L2	QUE SPE=ON ABB=ON PLU=ON ABNORMAL BEHAVIOUR OR ABORTION OR ACCEPTABLE DIETARY INTAKE OR ACCEPTABLE OPERATOR EXPOSURE LEVEL OR ACUTE DERMAL APPLICATION OR ACUTE DERMAL TOXICITY OR ACUTE EFFECT OR ACUTE EXPOSURE OR ACUTE ORAL TOXICITY OR ACUTE REFERENCE DOSE
L3	QUE SPE=ON ABB=ON PLU=ON ACUTE TOXICITY OR ADDITIVE TOXICITY OR ADULT MORTALITY OR ADVERSE EFFECT OR ADVERSE EVENT OR AERIAL EXPOSURE OR AIR BLAST OR AIRBLAST OR ANORMAL BEHAVIOUR OR ASSESSMENT(1W)RISK OR AVERSIVE RESPONSE OR BBA MODEL OR BEHAVIOUR
L4	QUE SPE=ON ABB=ON PLU=ON BEHAVIOURAL ANOMALIES OR BIO MONITORING OR BIOMONITORING OR BIRTH RATE OR BODY ORGANS OR BODY WEIGHT OR BREEDING LOSS OR BYSTANDER OR CARCINOGEN OR CARCINOGENIC OR CARCINOGENICITY OR CHANGE (1W) BODY WEIGHT OR CHEMOSIS OR CHRONIC CONCERN
L5	QUE SPE=ON ABB=ON PLU=ON CHRONIC EFFECT OR CHRONIC STUDY OR CHRONIC TEST OR CHRONIC TOX OR CHRONIC TOXICITY OR CHRONIC TOXICOLOGICAL STUDY OR CLASTOGENICITY OR CLINICAL SIGN OR CLINICAL SYMPTOM OR CONJUNCTIVAE OR CONJUNCTIVAL CHEMOSIS OR CONJUNCTIVAL SAC
L6	QUE SPE=ON ABB=ON PLU=ON CONSTIPATIO OR CONSUMER OR CONTACT TOXICITY OR CORNEA OR CORNEAL OPACITY OR CREATININE OR CROP INSPECTION OR CYTOPLASMIC CHANGES(1W)HEPATOCYTES OR DAMAGE TO EYES OR DEAD

	EMBRYO OR DEAD FETUS OR DEAD PUP OR DEATH OR DECREASE(1W)BODY LENGTH
L7	QUE SPE=ON ABB=ON PLU=ON DERMAL OR DEVELOPMENTAL TOXICITY OR DIARRHEA OR DIE OR DIED OR DIETARY EXPOSURE OR DIETARY INTAKE OR DIETARY TOXICITY OR DIPPING OR DISLODGEABLE FOLIAR RESIDUE OR DISORIENTING OR DISTURBANCE(1W)VIABILITY OR DOG OR DUST DRIFT
L8	QUE SPE=ON ABB=ON PLU=ON EFFECT(1W)(BODY WEIGHT OR FOOD CONSUMPTION OR BODY ORGAN) OR EMBRYO OR EMBRYOPATHY OR EMBRYOTOX OR ENDOCRINE(W)DISRUPT? OR ENDOCRINE MODULATION OR ENGINEERING CONTROL OR EPIDEMIOLOGICAL OR EPIDEMIOLOGY OR ERYTHEMA
L9	QUE SPE=ON ABB=ON PLU=ON ESCHAR OR EUROPOEM OR EXPOSE OR EXPOSURE OR EYE IRRITATION OR FECUNDITY OR FEEDING STUDY OR FERTILITY RATE OR FETOTOX OR FETOTOXICOLOGICAL OR FETOTOXICOLOG Y OR FOETAL CROWN-RUMP LENGTH OR FOETAL DEVELOPMENT OR FOGGING OR FOLIAR DEPOSITION
L10	QUE SPE=ON ABB=ON PLU=ON FOLIAR DISLODGEABLE RESIDUE OR GAIN(1W)BODY WEIGHT OR GASTROINTESTINAL OR GENOTOX OR GENOTOXIC OR GENOTOXICITY OR GENOTOXICOLOGICAL OR GESTATION OR GROUND BOOM OR GROUNDBOOM OR GUINEA PIG OR HAIR LOSS OR HAND TO MOUTH OR HANDHELD OR HAND-HELD
L11	QUE SPE=ON ABB=ON PLU=ON HAZARD OR HEALTH RISK OR HEPATOTOXIN OR HERSHBERGER ASSAY OR HUMAN EXPOSURE OR HUMAN HEALTH OR HUMAN MONITORING OR IMMUNOTOXICITY OR IMPLANTATION LOSS OR INCREASE (1W) LIVER WEIGHT OR INDURATION (2W) SKIN OR INFERTILITY
L12	QUE SPE=ON ABB=ON PLU=ON INHALATION OR INHALATORY ABSORPTION OR INHALATORY EXPOSURE OR INHALATORY RISK OR INTOXICATION OR INTRAPERITONEAL OR INTRAVENOUS OR INTRAVENOUSLY OR IRRITANT OR IRRITATING (1W)SKIN OR IRRITATION OR IRRITATION (2W)(IRIS OR SKIN)
L13	QUE SPE=ON ABB=ON PLU=ON KNAPSACK OR LABORED BREATHING OR LACERATION (2W) SKIN OR LACTATION OR LC50 OR LD50 OR LIGHT-COLO RED FECES OR LITTER SIZE OR LITTER WEIGHT OR LIVER OR LIVING PUPS OR LOCAL LYMPH NODE OR LONG-TERM EXPOSURE OR LONGTERM STUDY OR LONG-TERM STUDY
L14	QUE SPE=ON ABB=ON PLU=ON LONGTERM TOXICOLOGICAL OR LONG-TERM TOXICOLOGICAL OR LOSS (1W)(BODY WEIGHT OR HAIR) OR MALFORMATION OR MAMMAL OR MAMMALIAN OR MARGIN (1W) SAFETY OR MATERNAL TOXICITY OR MATING BEHAVIOUR OR MEDICAL DATA OR METABOLIC PATH OR METABOLIC PATHWAY
L15	QUE SPE=ON ABB=ON PLU=ON MONKEY OR MORTALITY OR MOUSE OR MRL EXCEEDANCE OR MRL VIOLATION OR MULTIGENERATION OR MUTAGEN OR MUTAGENIC OR MUTAGENICITY OR NECROPSY OR NEUROTOXIC OR NEUROTOXICITY OR NO OBSERVED ADVERSE EFFECT LEVEL OR NO OBSERVED EFFECT LEVEL
L16	QUE SPE=ON ABB=ON PLU=ON NOAEL SUBCHRONIC DOG OR NON DIETARY EXPOSURE OR NON-DIETARY EXPOSURE OR NO-OBSERVED ADVERSE EFFECT LEVEL OR NURSING OR OBJECT TO MOUTH OR OCCUPATIONAL EXPOSURE OR OEDEMA OR OFFSPRING OR OPACITY OR OPERATOR OR ORAL ABSORPTION OR ORAL TOXICITY
L17	QUE SPE=ON ABB=ON PLU=ON ORALLY OR OVULATION OR PARENTERAL OR PARTURITION OR PASSIVE DOSIMETRY OR PATHOLOGICAL OR PATHOLOGY OR PATIENT OR PEELING (1W) SKIN OR PENETRATION FACTOR OR PERCUTANEOUS OR PERSONAL PROTECTIVE EQUIPMENT OR PHOTOTOXICITY OR PILOERECTION
L18	QUE SPE=ON ABB=ON PLU=ON PLACENTAL WEIGHT OR POISON OR POISONING OR POST-MORTEM EXAMINATIONS OR POSTNATAL OR POST-NATAL OR PREGNANCY OR PREGNANT OR PREMATURE BIRTH OR PRENATAL TOX OR PRENATAL TOXICOLOGY OR PRIMATE OR PROTECTIVE CLOTHING OR PROTECTIVE GARMENT
L19	QUE SPE=ON ABB=ON PLU=ON PROTECTIVE GLOVE OR PUBLIC HEALTH OR RABBIT OR RAT OR RE ENTRY OR REDDENING (1W) TREATMENT AREA OR REDNESS OR REDUCED BODY WEIGHT OR REDUCED BODY WEIGHT GAIN OR REENTRY OR RE-ENTRY OR REFERENCE DOSE OR RELEVANT (2W) REPRODUCTIVE SUCCESS

L20	QUE SPE=ON ABB=ON PLU=ON REPRODUCTION OR REPRODUCTIVE OR REPROTOX OR RESIDENT OR RESIDENTIAL EXPOSURE OR RESIDUE IN OR RESPIRATORY EXPOSURE OR RESPIRATORY PROTECTIVE EQUIPMENT OR RISK ASSESSMENT OR RISK (2W) (CONSUMER OR OPERATOR) OR SEXUAL
L21	QUE SPE=ON ABB=ON PLU=ON RISK (1W) SERIOUS DAMAGE (1W) EYES OR SAFE OR SAFETY OR SAFETY ASSESSMENT OR SAFETY PRECAUTION OR SECONDARY EFFECT OR SECONDARY POISONING OR SEEDTROPEX OR SENSITISATION BY SKIN CONTACT OR SENSITISER OR SENSITISING TESTS OR SENSITIZER
L22	QUE SPE=ON ABB=ON PLU=ON SHORT LONG TERM EXPOSURE OR SHORT-TERM EXPOSURE OR SHORT-TERM TOXICITY OR SHORT-TERM TOXICOLOGICAL OR SIDE EFFECT OR SIGNS (1W)(AGGRESSION OR TOXICITY) OR SKIN IRRITANT OR SKIN IRRITATION OR SKIN SENSITISATION OR SKIN SENSITISING
L23	QUE SPE=ON ABB=ON PLU=ON SKIN SENSITIZATION OR SKIN SENSITIZING OR SLIGHTLY HARMFUL OR SPASTIC GAIT OR SPERMATOGENESIS OR SPLEEN OR SPRAY DRIFT OR STOMACH LESIONS OR STUNTED FETUS OR SUBACUTE OR SUB-ACUTE OR SUBCHRONIC OR SUB-CHRONIC OR SUBLETHAL OR SUB-LETHAL
L24	QUE SPE=ON ABB=ON PLU=ON SUBSTANCE-RELATED EFFECT OR SURVIVAL OR SYMPTOMS (1W) TOXICITY OR SYSTEMIC EXPOSURE OR SYSTEMIC INTOLERANCE REACTIONS OR TERATOGEN OR TERATOGENIC OR TERATOGENICITY OR TERATOLOGY OR TESTICULAR DEVELOPMENT
L25	QUE SPE=ON ABB=ON PLU=ON ACTIVE INGREDIENTS (1W) SAFE OR (COMPOUND OR COMPOSITION OR FUNGICIDE OR INSECTICIDE OR PESTICIDE) (1W)SAFE OR THEORETICAL TOXICITY OR TOPICAL OR TOTAL DIET STUDY OR TOX OR TOXIC OR TOXICITY OR TOXICOGENOMIC OR TOXICOKINETICS OR TOXICOL
L26	QUE SPE=ON ABB=ON PLU=ON TOXICOLOGICAL OR TOXICOLOGY OR TRACTOR MOUNTED OR TRANSDERMAL OR TRANSFER COEFFICIENT OR TRANSFERABLE RESIDUES OR TREATMENT RELATED EFFECTS OR TUMORIGEN OR TUNNEL TEST OR TWO-GENERATION OR UNACCEPTABLE EFFECTS OR UTEROTROPHIC ASSAY
L27	QUE SPE=ON ABB=ON PLU=ON VERTEBRATE OR VIABILITY (1W) EMBRYO OR WEANING OR WEIGHT ALTERATION OR WEIGHTS OR WHOLE BODY DOSIMETER OR WHOLE BODY DOSIMETRY OR WORKER
L28	QUE SPE=ON ABB=ON PLU=ON MONITORING OR QUECHERS OR TOLERANCE OR CHRONIC EXPOSURE OR METABOLITE OR METABOLISM OR CONSUMER EXPOSURE OR EXPOSURE (1W) CONSUMERS OR DIETARY RISK OR DIETARY RISK ASSESSMENT OR CONSUMPTION OR RESIDUE OR PROCESSING OR PROCESSED COMMODITY
L29	QUE SPE=ON ABB=ON PLU=ON TRANSFER FACTOR OR PROCESSING FACTOR OR STORAGE OR ENFORCEMENT METHOD
L30	QUE SPE=ON ABB=ON PLU=ON ADI OR AOEL OR ARFD OR DFR OR I.P. OR I.V. OR LLNA OR NOEL OR P.O. OR PHED OR PPE OR RPE OR S.C. OR UK POEM OR ILV
L31	QUE SPE=ON ABB=ON PLU=ON ACUTETER OR ALGAL GROWTH OR AMPHIPODA OR APIS OR AQUATIC CRUSTACEANS OR AQUATIC GASTROPOD MOLLUSCS OR AQUATIC INSECTS OR AQUATIC INVERTEBRATES OR AQUATIC ORGANISM OR AQUATIC PEC OR AQUATIC PLANT OR AQUATIC POPULATION OR ASELLUS AQUATICUS
L32	QUE SPE=ON ABB=ON PLU=ON BEE OR BIOACCUMULATION OR BIOCONCENTRATE RESIDUE OR BIOCONCENTRATED OR BIOCONCENTRATION OR BIRD OR BLACKBIRD OR BLUEGILL SUNFISH OR BOBWHITE OR CAGE TEST OR CAGE TRIAL OR COMMON SHREW OR COMMON VOLE OR CONCENTRATION(1W)NATURAL WATER BODIES
L33	QUE SPE=ON ABB=ON PLU=ON CONTAMINATED FEED OR CONTAMINATED PREY OR CONTAMINATED WATER OR CRUSTACEA OR DAILY RESIDUE INTAKE OR DAPHNIA OR EARLY LIFE STAGE TEST OR EARTHWORM OR ECOBIOLOGY OR ECOTOX OR ECOTOXICOLOGICAL OR COTOXICOLOGY OR EFFECTS(1W)ARTHROPOD
L34	QUE SPE=ON ABB=ON PLU=ON EFFECTS (1W)(BIRDS OR SOIL MICRO-ORGANISM) OR EGG PRODUCTION OR EISENIA FETIDA OR ESTIMATED THEORETICAL EXPOSURE OR ESTUARINE ORGANISM OR EXPOSURE OR FATHEAD MINNOW OR FAUNA OR FIELD RESIDUE STUDY OR FISH ACUTE OR FISH-EATER

L35	QUE SPE=ON ABB=ON PLU=ON FISH-EATING BIRD OR FLORA OR FOLIAGE DWELLING ARTHROPODS OR FOLIAGE DWELLING PREDATORS OR FOOD CHICKS OR GAMMARUS OR GASTROPOD MOLLUSC OR GASTROPODMOLLUSC OR GREEN ALGAE OR GREENFINCH OR GROUND DWELLING ARTHROPODS OR GROUND DWELLING PREDATORS
L36	QUE SPE=ON ABB=ON PLU=ON HALF-LIFE(1W)FLOWING WATERS OR HARE OR HATCHING SUCCESS OR HATCHLING HEALTH OR HAZARD QUOTIENT OR HERBIVORE OR HERBIVOROUS BIRDS OR HERBIVOROUS MAMMALS OR HONEYBEE OR INITIAL RESIDUES OR INSECTIVORE OR INSECTIVOROUS OR INTAKE RATE
L37	QUE SPE=ON ABB=ON PLU=ON ISOPODA OR LACTATION INDEX OR LARVAL TOXICITY OR LEMNA OR LIFE CYCLE TEST OR LONG-TERM TER OR LOWEST LETHAL CONCENTRATION OR LOWEST LETHAL DOSE OR LOWEST OBSERVED EFFECT CONCENTRATION OR MACROSCOPIC FINDINGS OR MARINE ORGANISM OR MESOCOSM
L38	QUE SPE=ON ABB=ON PLU=ON MICROBIAL ACTIVITY OR MICROCOSM OR NEGATIVE INFLUENCE (2W)PLANT SPECIES OR NO OBSERVED EFFECT CONCENTRATION OR NON TARGET OR NON TARGET MACRO ORGANISM OR NUMBER (1W)(SURVIVING ANIMALS OR SURVIVING WORMS)
L39	QUE SPE=ON ABB=ON PLU=ON OIL MICRO- OR MACRO-ORGANISMS OR ONCORHYNCHUS MYKISS OR PARASITOIDS OR PARASOTOIDS OR PHYTOTOXIC OR PHYTOTOXICITY OR PIMEPHALES PROMELAS OR PREDICTED ENVIRONME NTAL CONCENTRATION OR PSEUDOKIRCHNERIELLA SUBCAPITATA
L40	QUE SPE=ON ABB=ON PLU=ON QUAIL OR RAINBOW TROUT OR REPRODUCTION (1W) WATERFLEAS OR RESIDUE DATA(1W)FISH OR RESIDUE(1W)FEED OR RESIDUE (2W)PESTICIDE OR RHOPALOSIPHI OR RISK(1W)OFF-CROP AREAS OR RISK REDUCING MEASURES OR RISK (1W) BIRDS
L41	QUE SPE=ON ABB=ON PLU=ON SEDIMENT DWELLER OR SEDIMENT DWELLERS OR SEEDEATER OR SELEN. CAPRICORNUTUM OR SELENASTRUM CAPRICORNUTUM OR SENSITIVE SPECIES OR SHREW OR SMALL SEEDEATER OR SOIL MICRO (1W) MACROORGANISM OR SOIL MICROORGANISM OR SOIL MICRO-ORGANISMS
L42	QUE SPE=ON ABB=ON PLU=ON SOIL NON-TARGET MACRO-ORGANISMS OR SOIL NON-TARGET MICRO-ORGANISMS OR TER VALUE OR TERRESTRIAL ECOTOXICOLOGY OR TESTED WITH MUCH HIGHER RATES (3W) REGISTERED OR THRESHOLD EFFECT CONCENTRATION OR TOXICITY (2W)(FISH OR WATERFLEAS)
L43	QUE SPE=ON ABB=ON PLU=ON VOLE OR WASP OR WATERFLEA OR WORST CASE EXPOSURE SCENARIO OR WORST-CASE TIME-WEIGHTED AVERAGE
L44	QUE SPE=ON ABB=ON PLU=ON FUNGICIDE RESIDUE OR FUNGICIDES(1W) FRUITS (1W) VEGETABLES OR GROUND WATER OR GROUNDWATER OR HALF-LIFE OR HARVEST TIME RESIDUE OR HERBICIDE RESIDUE OR HERBICIDES(1W)FRUITS (1W) VEGETABLES OR IMPACT(1W) WATER TREATMENT PROCEDURE
L45	QUE SPE=ON ABB=ON PLU=ON INSECTICIDE RESIDUE OR INSECTICIDES (1W)FRUITS (1W) VEGETABLES OR IPROVALICARB RESIDUE OR LACK(1W)LEACHING OR LANDSCAPE-LEVEL ERA OR LEACHING OR LENTIC WATER OR LOAMY SAND OR (MAXIMUM OR MAXIMAL)(W)RESIDUE SET OR MAXIMUM DAILY RESIDUE
L46	QUE SPE=ON ABB=ON PLU=ON MAXIMUM RESIDUE OR METABOLISM OR METABOLITE (2W)(ANIMAL OR FOOD OR PLANT OR FRUIT OR VEGETABLE) OR MINIMUM RESIDUE TOLERANCE OR MULTIRESIDUE OR MULTI-RESIDUE OR NON-AGED (W) AGED LEACHING OR PELMO OR PERCENT(1W)APPLIED RADIOACTIVITY
L47	QUE SPE=ON ABB=ON PLU=ON PERCENTAGE (2W) RADIOACTIVITY OR PERSISTENCE (2W) RESIDUE OR PESTICIDE RESIDUE OR PESTICIDES(1W) FRUITS (1W) VEGETABLES OR PHOTODEGRADATION(1W)SOIL OR PHOTOLYTICAL DEGRADATION OR PLANT METABOLITE OR POLLUTE OR POLLUTED OR POLLUTING
L48	QUE SPE=ON ABB=ON PLU=ON POLLUTION OR POPULATION MODELLING OR PREDICTED ENVIRONMENTAL CONCENTRATION OR PROBABILISTIC OR QUANTIFY(1W)RESIDUE OR RAT METABOLITE OR READY BIODEGRADABILITY OR RESIDUAL(W)(FUNGICIDE OR HERBICIDE OR INSECTICIDE OR PESTICIDE)

L49	QUE SPE=ON ABB=ON PLU=ON RESIDUE AMOUNT OR RESIDUE ANAL. OR RESIDUE ANALYS!S OR RESIDUE ANALYTICAL DATA OR RESIDUE ANALYTICAL METHOD OR RESIDUE BEHAVIOUR OR RESIDUE CONTENT OR RESIDUE DATA OR RESIDUE DEFINITION OR RESIDUE DETECTION OR RESIDUE(1W)FOOD OR RESIDUE LEVEL
L50	QUE SPE=ON ABB=ON PLU=ON RESIDUE LIMIT OR RESIDUE MONITORING OR RESIDUE (2W)(FUNGICIDE OR HERBICIDE OR INSECTICIDE OR PESTICIDE OR IPROVALICARB) OR RESIDUE-TOLERANCE OR RESIDUE PERSISTENCE OR RESIDUE POINT(1W)VIEW OR RESIDUE TEST
L51	QUE SPE=ON ABB=ON PLU=ON RESIDUE TRIALS OR RESIDUE VALUES OR RESIDUE ABOVE (1W)MRL OR RESIDUE (1W) CONTAMINANT OR RESIDUE (1W)(CROPS OR FOOD OR PLANTS OR TREATED PRODUCTS) OR INCURRED RESIDUE
L52	QUE SPE=ON ABB=ON PLU=ON SEDIMENT SYSTEM OR SEWAGE OR SIMULATION MODEL PELMO OR SLOW MOVING WATER BODIES OR SLOWLY FLOWING WATER BODIES OR SOIL ACCUMULATION TESTING OR SOIL DEGRADATION OR SOIL DISSIPATION OR SOIL METABOLISM STUDY
L53	QUE SPE=ON ABB=ON PLU=ON SOIL PHOTOLYSIS OR SOIL SCENARIO OR SOIL(W)FOLIAGE DWELLERS OR SPRAY DRIFT RATE OR STATIC WATER BODY OR SURFACE WATER OR TERRESTRIAL AQUATIC FIELD DISSIPATION OR TERRESTRIAL FIELD DISSIPATION OR TERRESTRIAL SEDIMENT FIELD DISSIPATION
L54	QUE SPE=ON ABB=ON PLU=ON TOXIC RESIDUE OR WATER BODY OR WATER SEDIMENT STUDY OR WATER SEDIMENT SYSTEM OR WATER TREATMENT OR WORST CASE ASSUMPTION OR WORST CASE CONDITION OR WORST CASE SCENARIO OR WORST CASE SITUATION OR WORST CASE USE PATTERNS OR WORST-CASE APPROACH

公表文献調査報告書

イミダクロプリド

別添 2

適合性評価の第 2 段階で「適合性なし」と判断した論文リストとその理由

No.	著者	出版年	論文表題	掲載誌名、号、ページ等	判断理由[a]
1	Skandrani, D.; Gaubin, Y.; Beau, B.; Murat, J. C.; Vincent, C.; Croute, F.	2006	Effect of selected insecticides on growth rate and stress protein expression in cultured human A549 and SH-SY5Y cells.	Toxicol. in Vitro, Volume 20, Issue 8, Page 1378-1386, Publication Year 2006	非GLP/準拠した試験ガイドラインの記載がない。 陽性対照物質が設定されていない。用いた方法はタンパク質レベルの定量法として最適でない。
2	Georgieva, S.; Popov, B.	2007	Study on genotoxic effect of pesticide imidacloprid in rabbit peripheral blood lymphocytes in vitro. II. Modification of the effect of imidacloprid by vitamins (C and E).	Zhivotnovud. Nauki, Volume 44, Issue 2, Page 50-54, Publication Year 2007	⑲
3	Broznic, Dalibor; Marinic, Jelena; Tota, Marin; Juresic, Gordana Canadi; Milin, Cedomila.	2008	Kinetic evaluation of imidacloprid degradation of mice organs treated with olive oil polyphenols extract.	Croat. Chem. Acta, Volume 81, Issue 1, Page 203-209, Publication Year 2008	⑯c (腹腔内投与) 雌雄の情報記述なし
4	Kavani, H. J.; Thaker, A. M.; Bhavsar, S. K.; Muchhara, J. A.; Bhadja, N. D.; Bhanderi, B. B.	2008	Evaluation of subacute immunotoxicity of imidacloprid with the ameliorating potential of aqueous extract of Asparagus racemosus on BALB/c mice .	Indian Journal of Environment and Toxicology (2008), Volume 18, Number 2, pp. 56-60, 7 refs. ISSN: 0971-2127 Published by: Jai Research Foundation, Gujarat	全文の入手が不可能だったため評価できず。
5	Li, Huawen; Lu, Dan; Wu, Jun; Ma, Xinqun; Yang, Xiuhong; Chen, Jianfeng; Xiong, Zhijun.	2008	Toxicity of imidacloprid crude drug.	Shiyong Yufang Yixue, Volume 15, Issue 3, Page 901-902, Publication Year 2008	⑲
6	Shi, Xueyan; Dick, Ryan A.; Ford, Kevin A.; Casida, John E.	2009	Enzymes and inhibitors in neonicotinoid insecticide metabolism.	J. Agric. Food Chem., Volume 57, Issue 11, Page 4861-4866, Publication Year 2009	⑬
7	Najafi, Golamreza; Shahmohamadloo, Simineh; Feyzi, Sajad	2010	The effect of chronic exposure with imidacloprid insecticide on fertility in mature male rats .	International Journal of Fertility and Sterility, (Apr-Jun 2010) Vol. 4, No. 1, pp. 9-16. Refs: 35 ISSN: 2008-076X	非GLP/ 準拠した試験ガイドラインの記載なし。 被験物質の純度及び供給源の情報なし。 結果の評価に信頼性がもてない（投与10日後から10日毎の検査値をひとつの溶媒対照群の検査項目値で比べている。）
8	Nellore Kishandar; Raj Kumar; Rani, C. T. U.; Doss, P. J.; Kishandar, N.; Kumar, R.	2010	Studies on the effect imidacloprid toxicity on the acetylcholin esterase activity levels in different regions of brain of albino rat .	International Journal of Agriculture Environment and Biotechnology (2010), Volume 3, Number 4, pp. 377-380, 25 refs. ISSN: 0974-1712 Published by: New Delhi	⑯e 被験物質の純度及び供給源の情報なし。 用量設定が不明瞭。
9	Kimura-Kuroda, Junko (Correspondence); Kawano, Hitoshi	2011	Nicotine-like effects of the new pesticide, neonicotinoids on rat cerebellar neurons.	Neuroscience Research, (September 2011) Vol. 71, Supp. SUPPL. 1, pp. e400. Abstract Number: P4-s06. Meeting Info: 34th Annual Meeting of the Japan Neuroscience Society, Neuroscience 2011. Yokohama, Japan. 14 Sep 2011-17 Sep 2011 ISSN: 0168-0102	⑧
10	Mohany, Mohamed; Badr, Gamal (Reprint) Mohany, Mohamed; Refaat, Inas; El-Feki, Mostafa Badr, Gamal (Reprint)	2011	Immunological and histological effects of exposure to imidacloprid insecticide in male albino rats	AFRICAN JOURNAL OF PHARMACY AND PHARMACOLOGY, (NOV 2011) Vol. 5, No. 18, pp. 2106-2114. ISSN: 1996-0816.	⑭

11	Taira, Kumiko; Aoyama, Yoshiko; Kawakami, Tomonori; Kamata, Motoyuki; Aoi, Toru.	2011	Detection of chloropyridiny neonicotinoid insecticide metabolite 6-chloronicotinic acid in the urine: six cases with subacute nicotinic symptoms.	Jpn. J. Clin. Toxicol., Volume 24, Issue 3, Page 222-230, Publication Year 2011	⑪
12	Calderon-Segura, Maria Elena; Gomez-Arroyo, Sandra; Villalobos-Pietrini, Rafael; Martinez-Valenzuela, Carmen; Carbajal-Lopez, Yolanda; Calderon-Ezquerro, Maria Del Carmen; Cortes-Eslava, Josefina; Garcia-Martinez, Rocio; Flores-Ramirez, Diana; Rodriguez-R	2012	Evaluation of genotoxic and cytotoxic effects in human peripheral blood lymphocytes exposed in vitro to neonicotinoid insecticides news.	J. Toxicol., Page 612647, 11 pp., Publication Year 2012	⑭ 陽性対照が設定されていない。 陽性対照、陰性対照の背景データー情報なし
13	Fan, Yinjun; Shi, Xueyan; Gao, Xiwu.	2012	Research progresses on metabolism of neonicotinoids imidacloprid and thiamethoxam.	Nongyaoxue Xuebao, Volume 14, Issue 6, Page 587-596, Publication Year 2012	⑲
14	Lee, Won Jin; Cha, Eun Shil; Park, Jinwoo; Ko, Yousun; Kim, Hyun Joong; Kim, Jaeyoung	2012	Incidence of acute occupational pesticide poisoning among male farmers in South Korea	American Journal of Industrial Medicine (2012), 55(9), 799-807	⑪
15	Li, Chen-Xi; Li, Min; Feng, Xiao-Lian; Cao, Pei; Wang, Xiao-Dan; Liu, Shan; Xu, Hai-Bin.	2012	Study on dermal absorption of Imidacloprid in vitro.	Zhonghua Laodong Weisheng Zhiyebing Zazhi, Volume 30, Issue 8, Page 604-607, Publication Year 2012	⑲
16	Mohany, Mohamed; El-Feki, Mostafa; Refaat, Inas; Garraud, Olivier; Badr, Gamal.	2012	Thymoquinone ameliorates the immunological and histological changes induced by exposure to imidacloprid insecticide.	J. Toxicol. Sci., Volume 37, Issue 1, Page 1-11, Publication Year 2012	⑭
17	Padilla, S.; Corum, D.; Padnos, B.; Hunter, D. L.; Beam, A.; Houck, K. A.; Sipes, N.; Kleinstreuer, N.; Knudsen, T.; Dix, D. J.; Reif, D. M.	2012	Zebrafish developmental screening of the ToxCast Phase I chemical library.	Reprod. Toxicol., Volume 33, Issue 2, Page 174-187, Publication Year 2012	⑤
18	Rose, Patrick H.	2012	Nicotine and the neonicotinoids	Issues in Toxicology (2012), 12(Mammalian Toxicology of Insecticides), 184-220	⑧ 主にEFSA, EPAの評価の抜粋 各試験についてNOAELを検討しているが、総合的なNOAELが記載されていない。
19	Soujanya, S.; Lakshman, M.; Anand Kumar, A.; Gopala Reddy, A.	2012	Histopathological and ultrastructural changes induced by imidacloprid in brain and protective role of vitamin C in rats.	J. Chem. Pharm. Res., Volume 4, Issue 9, Page 4307-4318, Publication Year 2012	⑯e 被験物質の純度が記載されていない。
20	Basilicata, P.; Simonelli, A.; Silvestre, A.; Lamberti, M.; Pedata, P.	2013	Evaluation by environmental monitoring of pesticide absorption in farm workers of 18 Italian tomato cultivations.	International Journal of Immunopathology and Pharmacology, (2013) Vol. 26, No. 2, pp. 517-523. Refs: 14 ISSN: 0394-6320 CODEN: IJIPE4	製剤情報、処理方法等の詳細不明
21	El-Zaemey, Sonia; Fritschi, Lin; Heyworth, Jane	2013	Occupational pesticide exposure among Yemeni women	Environmental Research (2013), 122, 45-51	⑪

22	Ince, Sinan; Kucukkurt, Ismail; Demirel, Hasan Huseyin; Turkmen, Ruhi; Zemheri, Fahriye; Akbel, Erten.	2013	The role of thymoquinone as antioxidant protection on oxidative stress induced by imidacloprid in male and female Swiss albino mice.	Toxicol. Environ. Chem., Volume 95, Issue 2, Page 318-329, Publication Year 2013	15mg/kg/日間マウス雌雄に21日間 強制経口投与/酸化的ストレス 非GLP/準拠した試験ガイドラインの記載なし イミダクロプリドはBiyoteknik A.S. (Istanbul, Turkey)から購入したとあるが、純度に関する情報なし。 溶媒対照群の媒体とイミダクロプリド単独の媒体が違う。現行の参照値に影響を及ぼすものではない。
23	Kavvalakis, Mathaios P. (Reprint); Tzatzarakis, Manolis N.; Polychronis, Stivaktakis; Barbounis, Manolis; Goumenou, Marina; Alegakis, Athanasios; Renieri, Elisavet; Vynias, Dionisis; Tsatsakis, Aristidis M.	2013	Understanding the imidacloprid metabolism in long - term exposure through a comparative study of imidacloprid and its major metabolite levels in the urine and hair of intentionally exposed rabbits	TOXICOLOGY LETTERS, (28 AUG 2013) Vol. 221, Supp. [S], pp. S203-S203. ISSN: 0378-4274.	⑧
24	Kavvalakis, Matthaios P.; Tzatzarakis, Manolis N.; Theodoropoulou, Eleftheria P.; Barbounis, Emmanouil G.; Tsakalof, Andreas K.; Tsatsakis, Aristidis M.	2013	Development and application of LC-APCI-MS method for biomonitoring of animal and human exposure to imidacloprid	Chemosphere (2013), 93(10), 2612-2620	⑤
25	Singh, Sangya; Pandey, Akancha; Sharma, Bechan; Lawrence, Kapil; Pandit, Swati	2013	Imidacloprid induced osmotic fragility in erythrocytes of rats: protective role of Vit.C and tea	IOSR Journal of Environmental Science, Toxicology and Food Technology (2013), 5(5), 103-105, 3 pp.	被験物質の純度及び供給源の情報なし。 統計学的検査が実施されていない。標準偏差なども示されていない。 研究目的 イミダクロプリドの用量は１濃度
26	Soujanya, S. (Correspondence)	2013	Ultrastructural changes induced by imidacloprid in male albino rats .	International Journal of Pharma and Bio Sciences, (2013) Vol. 4, No. 3, pp. B1191-B1198. Refs: 10 E-ISSN: 0975-6299	⑯e 被験物質の純度が記載されていない。
27	Soujanya, S.; Lakshman, M.; Anand Kumar, A.; Gopala Reddy, A.	2013	Evaluation of the protective role of vitamin C in imidacloprid-induced hepatotoxicity in male Albino rats.	J. Nat. Sci., Biol. Med., Volume 4, Issue 1, Page 63-67, Publication Year 2013	⑯e 被験物質の純度が記載されていない。
28	Soujanya, S.; Lakshman, M.; Gopala Reddy, A.	2013	Protective role of vitamin C against the histopathological and ultrastructural changes induced by imidacloprid in testis of male rats.	Int. J. Life Sci. Biotechnol. Pharma Res., Volume 2, Issue 1, Page 92-97, Publication Year 2013	⑯e 被験物質の純度が記載されていない。
29	Agha, S. Z. Al.; Yassin, M. M.; Esleem, N. E.	2014	Hepatotoxicity of imidacloprid in male rabbit : physiological and histological aspects.	Research Journal of Biological Sciences (2014) , Volume 9, Number 1, pp. 24-33, 49 refs. ISSN: 1815-8846 Published by: Medwell Online, Faisalabad	⑯e 被験物質の純度や供給源の情報が記載されていない。
30	Bhaskar, Rakesh; Mohanty, Banalata	2014	Pesticides in mixture disrupt metabolic regulation: In silico and in vivo analysis of cumulative toxicity of mancozeb and imidacloprid on body weight of mice	General and Comparative Endocrinology (2014) Ahead of Print	⑭

31	Koureas, Michalis; Tsezou, Aspasia; Tsakalof, Andreas; Orfanidou, Timoklia; Hadjichristodoulou, Christos	2014	Increased levels of oxidxative DNA damage in pesticide sprayers in Thessaly Region (Greece). Implications of pesticide exposure	Science of the Total Environment (2014), 496, 358-364	タッセリア地方の一部の地域における尿中代謝物の分析。 疫学調査とするにはサンプル数が少ない イミダクロプリド単独の報告ではない。
32	Kumar, Ajay; Tomar, Monika; Kumar Kataria, Sudhir	2014	Effect of sub - lethal doses of imidacloprid on histological and biochemical parameters in female albino mice	IOSR Journal of Environmental Science, Toxicology and Food Technology (2014), 8(1), 9-15	非GLP/準拠した試験ガイドラインの記載がない。 試験方法情報が不十分（投与後の観察期間の記載なし, 被験物質の純度及び供給源の情報なし，添加に用いた媒体が不明確など） 本文献で実施した試験結果が不十分（動物の一般症状など他の文献での情報を参照、病理組織学的検査の頻度の情報がない。）
33	Preeti; Vinod Kumar; Sikka, A. K.; Punia, J. S.; Kumar, V.	2014	Hematological and morphometric studies of imidacloprid through oral administration in Swiss albino mice .	Haryana Veterinarian (2014) , Volume 53, Number 2, pp. 144-147, 9 refs. ISSN: 0033-4359 Published by: College of Veterinary Sciences, Haryana Agricultural University, Hisar	非GLP/準拠した試験ガイドラインの記載がない。 28日間雄マウスに反復経口投与し、血液学的検査及び形態計測検査を実施しているが、イミダクロプリドの影響は認められていないと考える。
34	Rotroff, Daniel M.; Martin, Matt T.; Dix, David J.; Filer, Dayne L.; Houck, Keith A.; Knudsen, Thomas B.; Sipes, Nisha S.; Reif, David M.; Xia, Menghang; Huang, Ruili; Judson, Richard S.	2014	Predictive Endocrine Testing in the 21st Century Using in Vitro Assays of Estrogen Receptor Signaling Responses	Environmental Science and Technology (2014), 48(15), 8706-8716	①
35	Schmeits, Peter C. J.; Shao, Jia; Krieken, Danique A.; Volger, Oscar L.; Loveren, Henk; Peijnenburg, Ad. A. C. M.; Hendriksen, Peter J. M.	2014	Successful validation of genomic biomarkers for human immunotoxicity in Jurkat T cells in vitro	Journal of Applied Toxicology (2014) Ahead of Print	⑤
36	Yardimci, Mustafa; Sevgiler, Yusuf (Correspondence); Rencuzogullari, Eyyup; Arslan, Mehmet; Buyukleyla, Mehmet; Yilmaz, Mehmet	2014	Sex-, tissue-, and exposure duration-dependent effects of imidacloprid modulated by piperonyl butoxide and menadione in rats . Part I: Oxidative and neurotoxic potentials.	Arhiv za Higijenu Rada i Toksikologiju, (1 Dec 2014) Vol. 65, No. 4, pp. 387-398. Refs: 69 ISSN: 0004-1254 CODEN: AHRTAN	⑯c (腹腔内投与)
37	Adejumo, I. O.; Ologhobo, A. D.; Babalola, T. O.	2015	Effect of pre-planting seed dressers on serum enzymes of laying chickens	American Chemical Science Journal (2015), 9(2), 1-5	イミダクロプリドと他の農薬の混合物を混餌投与。
38	Ahmed, Mahgoub M.; Nasr, Sawsan A.	2015	Protective effect of broccoli and ferulic acid on imidacloprid -induced neurotoxicity in rats	Journal of Biomedical and Pharmaceutical Research (2015), 4(4), 82-89	⑭ 用量の設定根拠が明確ではない。
39	Al-Dabbagh, I. S.; Al-Bahadyli, L. J. M.	2015	Study the behavioral changes and gravimetric changes for weight organs in liver , kidney and spleen exposure to insecticide Imidacloprid in the white mice .	World Journal of Pharmaceutical Research (2015) , Volume 4, Number 4, pp. 114-122, 20 refs. ISSN: 2277-7105 Published by: World Journal of Pharmaceutical Research, Sofia	⑭ 有効成分の含有量不明。

40	Amala, V. Eugin; Jeyaraj, M.; Mary, M. Meldintha	2015	Neuro protective efficacy of phytotherapeutic methanolic extract of polyherbal (triphala) on imidacloprid induced toxicity in wistar rats	World Journal of Pharmacy and Pharmaceutical Sciences (2015), 4(11), 1028-1039	⑭
41	Amit Kumar; Jain, S. K.; Gaurav Gupta; Kumar, A.; Gupta, G.	2015	Determination of MTD and effect of subacute exposure of imidacloprid and its amelioration by resveratrol in male rats .	Journal of Veterinary Pharmacology and Toxicology (2015) , Volume 14, Number 1, pp. 13-17, 25 refs. ISSN: 0972-8872 Published by: Indian Society of Veterinary Pharmacology and Toxicology, North Gujarat	方法情報不足(住居、食事情報など) 結果情報の不足(臨床症状及びその発生率など，レスベラトロールによる改善効果が評価できない)
42	Annabi Alya; Dhouib Ines Bini; Lamine Aicha Jrad; Golli Narges El; Gharbi Najoua; Fazaa Saloua El; Lasram Mohamed Montassar	2015	Recovery by N-acetylcysteine from subchronic exposure to Imidacloprid -induced hypothalamic-pituitary-adrenal (HPA) axis tissues injury in male rats .	Toxicology mechanisms and methods, (2015 May 29) pp. 1-8. Electronic Publication Date: 29 May 2015	⑭
43	Arslan Mehmet; Sevgiler Yusuf; Buyukleyla Mehmet; Yardimci Mustafa; Yilmaz Mehmet; Rencuzogullari Eyyup	2015	Sex-related effects of imidacloprid modulated by piperonyl butoxide and menadione in rats . Part II: genotoxic and cytotoxic potential.	Drug and chemical toxicology, (2015 Mar 31) pp. 1-6. Electronic Publication Date: 31 Mar 2015	⑯c (腹腔内投与)
44	Bianchi, Jaqueline; Cabral-De-Mello, Diogo Cavalcanti; Marin-Morales, Maria Aparecida	2015	Toxicogenetic effects of low concentrations of the pesticides imidacloprid and sulfentrazone individually and in combination in in vitro tests with HepG2 cells and Salmonella typhimurium	Ecotoxicology and Environmental Safety (2015) Ahead of Print	⑭
45	Ishikawa, Sadamasa; Hiraga, Kou; Hiradate, Yuuki; Tanemura, Kentaro	2015	The effects analysis of two neonicotinoid insecticides on in vitro maturation of porcine oocytes using hanging drop monoculture method	Journal of Veterinary Medical Science (2015), 77(6), 725-728	非GLP/ 準拠した試験ガイドラインの記載なし。 in vitroの試験であり、陽性対照、背景データが不明のため、判断ができない。
46	Kara Murat; Yumrutas Onder; Demir Caner F; Ozdemir Hasan Huseyin; Bozgeyik Ibrahim; Coskun Salih; Eraslan Ersen; Bal Ramazan	2015	Insecticide imidacloprid influences cognitive functions and alters learning performance and related gene expression in a rat model.	International journal of experimental pathology, (2015 Nov 16) . Electronic Publication Date: 16 Nov 2015	非GLP/準拠した試験ガイドラインの記載なし。 被験物質の純度及び供給源の情報が記載されていない。 ラット90日間反復経口毒性試験について、infant modelの投与開始時期は生後7日齢。 Adult modlの結果は現行の参照値に影響を及ぼさない。
47	Kataria Sudhir Kumar; Chhillar Anil Kumar; Kumar Ajay; Tomar Monika; Malik Vinay	2015	Cytogenetic and hematological alterations induced by acute oral exposure of imidacloprid in female mice .	Drug and chemical toxicology, (2015 Mar 31) pp. 1-7. Electronic Publication Date: 31 Mar 2015	⑭ イミダクロプリドの濃度か製剤の濃度か不明。
48	Krc, M.; Isk, M.; Atamanalp, M.	2015	In vitro effects of imidacloprid and lambda-cyhalothrin on Capoeta capoeta umbla kidney glucose 6-phosphate dehydrogenase enzyme. Imidacloprid ve lambda-cyhalothrinin Capoeta capoeta umbla boebrek dokusunda glikoz 6-fosfat dehidrogenaz enzimi uezerine in	Tuerkiye Tarmsal Arastrmalar Dergisi (2015) , Volume 2, Number 1, pp. 8-14, 26 refs. ISSN: 2148-2306 DOI: 10.19159/tutad.41219 Published by: Siirt University, Siirt	⑲
49	Nicolle-Mir, Laurence	2015	[Autism spectrum disorders and exposure to flea products containing imidacloprid]. Troubles du spectre autistique et exposition a limidaclopride des produits anti-puces.	Environnement, Risques et Sante, (1 Mar 2015) Vol. 14, No. 2, pp. 113-115. Refs: 1 ISSN: 1635-0421 CODEN: ERSNAM	⑲

50	Prerna Vohra; Khera, K. S.; Vohra, P.	2015	A three generation study with effect of imidacloprid in rats : biochemical and histopathological investigation.	Toxicology International (2015) , Volume 22, Number 1, pp. 119-124, 27 refs. ISSN: 0971-6580 DOI: 10.4103/0971-6580.172270 Published by: Society of Toxicology, India, Izatnagar	⑭（製剤を使用していると考えられるが、製剤名，処方が記載されていない。）
51	Rajeev Sharma; Punia, J. S.; Jain, S. K.; Sharma, R.	2015	Toxicodynamic interactions of imidacloprid in mice : an insight into its mechanism of action.	Journal of Veterinary Pharmacology and Toxicology (2015) , Volume 14, Number 2, pp. 27-31, 22 refs. ISSN: 0972-8872 Published by: Indian Society of Veterinary Pharmacology and Toxicology, North Gujarat	⑭
52	Sakunthala Devi, P.R.; Gopala Reddy, A.; Boobalan, G.; Satish Kumar, C.S.V.	2015	Protective effect of curcumin against imidacloprid - induced genotoxicity in rats .	Toxicology International, (May-August 2015) Vol. 22, No. 2, pp. 65-69. Refs: 16 ISSN: 0971-6580; E-ISSN: 0976-5131	非GLP/OECD408(90日間反復経口投与のガイドライン) 被験物質の純度及び供給源の情報なし 試験方法の情報が不充分　陽性対照が設定されていない。 試験の目的がイミダクロプリドの毒性と言うよりは、Curcuminの緩和作用におかれている。
53	Vohra, Prerna; Khera, Kuldeep Singh	2015	Alterations in key enzymes and micromorphology of vital organs during exposure of imidacloprid in albino rats	International Journal of Advanced Research (2015), 3(3), 134-144	⑭
54	Abdel-Rahman Mohamed, Amany; Mohamed, Wafaa A. M.; Khater, Safaa I.	2016	Imidacloprid induces various toxicological effects related to the expression of 3.beta.-HSD, NR5A1, and OGG1 genes in mature and immature rats	Environmental Pollution (Oxford, United Kingdom) (2016) Ahead of Print	供試した動物数が不明瞭，リスク評価に必要な結果について情報（病理組織学的所見は鏡検所見のみで頻度、程度などの情報なし、免疫染色もしていない）不足
55	Gallart-Mateu, D.; Armenta, S.; De La Guardia, M.	2016	Indoor and outdoor determination of pesticides in air by ion mobility spectrometry	Talanta (2016), 161, 632-639	⑯c
56	Garcia-Garcia, Carmen R.; Parron, Tesifon; Requena, Mar; Alarcon, Raquel; Tsatsakis, Aristidis M.; Hernandez, Antonio F.	2016	Occupational pesticide exposure and adverse health effects at the clinical, hematological and biochemical level	Life Sciences (2016), 145, 274-283	⑪
57	Saxena, Ankita (Reprint); Kesari, V. P. Saxena, Ankita (Reprint) Kesari, V. P. Saxena, Ankita (Reprint)	2016	Lack of genotoxic potential of pesticides, spinosad, imidacloprid and neem oil in mice (Mus musculus)	JOURNAL OF ENVIRONMENTAL BIOLOGY, (MAR 2016) Vol. 37, No. 2, pp. 291-295. ISSN: 0254-8704.	⑭
58	Stivaktakis, Polychronis D.; Kavvalakis, Matthaios P.; Tzatzarakis, Manolis N.; Alegakis, Athanasios K.; Panagiotakis, Michael N.; Fragkiadaki, Persefoni; Vakonaki, Elena; Ozcagli, Eren; Hayes, Wallace A.; Rakitskii, Valerii N.; Tsatsakis, Aristidis M.	2016	Long - term exposure of rabbits to imidaclorpid as quantified in blood induces genotoxic effect	Chemosphere (2016), 149, 108-113	⑯b 陽性対照が設定されていない。
59	Sumon, Kizar Ahmed; Rico, Andreu; Ter Horst, Mechteld M. S.; Van Den Brink, Paul J.; Haque, Mohammad Mahfujul; Rashid, Harunur	2016	Risk assessment of pesticides used in rice-prawn concurrent systems in Bangladesh	Science of the Total Environment (2016), 568, 498-506	新規のデータを含まず、また、日本の代表的な使用方法／使用条件における評価に活用できない文献（ほ場条件、土性等）

60	Toumi, Khaoula; Vleminckx, Christiane; Van Loco, Joris; Schiffers, Bruno	2016	Pesticide residues on three cut flower species and potential exposure of florists in Belgium	International Journal of Environmental Research and Public Health (2016), 13(10), 943/1-943/14	⑪
61	Vohra, Prerna; Khera, Kuldeep Singh	2016	Effect of imidacloprid on reproduction of female albino rats in three generation study	Journal of Veterinary Science and Technology (2016), 7(4), 340/1-340/7	⑭
62	Chakroun, Sana; Grissa, Intissar; Ezzi, Lobna; Ammar, Oumaima; Neffati, Fadoua; Kerkeni, Emna; Najjar, Mohamed Fadhel; Haouas, Zohra; Cheikh, Hassen Ben	2017	Imidacloprid enhances liver damage in Wistar rats : biochemical, oxidative damage and histological assessment	Journal of Coastal Life Medicine (2017), 5(12), 540-546	⑭
63	De Long, Nicole E.; Holloway, Alison C.	2017	Early-life chemical exposures and risk of metabolic syndrome.	Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy, (21 Mar 2017) Vol. 10, pp. 101-109. Refs: 133 E-ISSN: 1178-7007	⑧ メタボリックシンドロームに主眼を置き、肥満とイミダクロプリドとの関連についてはほとんど言及されていない。
64	Jing-Yi, G.; Gao Yu; Tian Ying; Gao, Y.; Tian, Y.	2017	Research progress on imidacloprid exposure and genotoxity.	Journal of Environmental and Occupational Medicine (2017), Volume 34, Number 11, pp. 1013-1018, 41 refs. ISSN: 2095-9982 Published by: Shanghai Municipal Center for Disease Control and Prevention, Shanghai	⑲
65	Lafi, Bornia; Chaabane, Mariem; Elwej, Awatef; Grati, Malek; Jamoussi, Kamel; Mnif, Hela; Boudawara, Tahia; Ketata Bouaziz, Hanen; Zeghal, Najiba	2017	Effects of co-exposure to imidacloprid and gibberellic acid on redox status, kidney variables and histopathology in adult rats	Archives of Physiology and Biochemistry (2017) Ahead of Print	イミダクロプリドとジベレリン酸の混合による腎毒性に主眼がおかれた文献　イミダクロプリドの濃度設定は１濃度のみ。
66	Mehmood, T.; Saeed, M.; Ahmad, M. M.; Ikram, M. S.; Siddique, F.; Tabassam, Q.	2017	Effect of imidacloprid (insecticide) on Serum Biochemical Parameters and degenerative Lesions In Male Rat s Liver .	Sindh University Research Journal -Science Series, (2017) Vol. 49, No. 3, pp. 605-612. ISSN: 1813-1743. E-ISSN: 1813-1743.	非GLP/準拠した試験ガイドラインの記載がない。 被験物質の調製を毎日行っているかわからない。 投与容量が記載されていない。 血液サンプルの採取部位が記載されていない。 被験物質の純度が記載されていない。 報告書にミスタイプ、ミスプリントがあり、正しい評価が難しい。
67	Mohamed, S. M. S.; Abdel-Megeed, M. I.; Mohamed, K. A.; Ebeed, N. M.; Hammad, M. A.	2017	Cytotoxicity of imidacloprid and myclobutanil pesticides on three cancer cell lines.	Arab Universities Journal of Agricultural Sciences (2017) , Volume 25, Number 2, pp. 331-338, 30 refs. ISSN: 1110-2675 Published by: The Society of Arab Colleges of Agriculture, Cairo	イミダクロプリドの3種のがん細胞（HEpG-2, MCF-7, PC3) への細胞毒性を検索している試験である。 従って、イミダクロプリドのリスク評価には利用できないと考える。
68	Mzid, Massara; Badraoui, Riadh; Ben Khedir, Sameh; Sahnoun, Zouheir; Rebai, Tarek	2017	Protective effect of ethanolic extract of Urtica urens L. against the toxicity of imidacloprid on bone remodeling in rats and antioxidant activities	Biomedicine and Pharmacotherapy (2017), 91, 1022-1041	⑭

69	Qamar, M. A.; Lqbal, M.; Asi, M. R.; Abbas, M.	2017	Pesticide monitoring in vegetables, Punjab, Pakistan and epidemiological survey of selected area	Oxidation Communications (2017), 40(3), 1127-1137	交絡因子、農薬の暴露量など疫学調査に必要なデータが不足しており、評価には使用できない
70	Strungaru, S. A.; Anghelus, D. M.; Nicoara, M.; Plavan, G.; Robea, M. A.; Gorban, C.; Vlad, C. E.	2017	An overview focused on toxicological effects of the neonicotinoid insecticide imidacloprid .	Analele Stiintifice ale Universitatii Al I Cuza din Iasi. (Serie Noua) Sectiunea I Biologie Animala (2017) , Volume 63, pp. 91-96, 12 refs. ISSN: 1224-581X Published by: Editura Universitatii Al. I. Cuza, Iasi	⑧
71	Toumi, Khaoula; Joly, Khaoula; Vleminckx, Christiane; Schiffers, Bruno	2017	Risk assessment of florists exposed to pesticide residues through handling of flowers and preparing bouquets	International Journal of Environmental Research and Public Health (2017), 14(5), 14050526/1-14050526/19	⑪
72	Yuan X L; Jian X D; Wang K	2017	2 cases of acute imidacloprid poisoning clinical analysis.	Zhonghua lao dong wei sheng zhi ye bing za zhi equals Zhonghua laodong weisheng zhiyebing zazhi equals Chinese journal of industrial hygiene and occupational diseases, (2017 Apr 20) Vol. 35, No. 4, pp. 309-310.	⑲
73	Abd-Elhakim, Yasmina; Mohammed, Hesham H.; Mohamed, Wafaa A.	2018	Imidacloprid impacts on neurobehavioral performance, oxidative stress, and apoptotic events in the brain of adolescent and adult rats	Journal of Agricultural and Food Chemistry (2018) Ahead of Print	非GLP/準拠した試験ガイドラインの記載がない。 方法の情報が十分に提供されていない（測定日/測定頻度等）。用量設定が1用量のみで用量相関性が確認できない。
74	Burke Andrew P; Niibori Yosuke; Terayama Hayato; Ito Masatoshi; Pidgeon Charlotte; Arsenault Jason; Camarero Pablo R; Cummins Carolyn L; Mateo Rafael; Sakabe Kou; Hampson David R	2018	Mammalian Susceptibility to a Neonicotinoid Insecticide after Fetal and Early Postnatal Exposure .	Scientific reports, (2018 Nov 09) Vol. 8, No. 1, pp. 16639. Electronic Publication Date: 9 Nov 2018	⑯c (浸透圧ミニポンプを介した投与)
75	Cattelan, Marcia Denise Pavanelo; Maurer, Patricia; Garcia, Fernandez; Berro, Lyana Feijoo; Machado, Michel Mansur; Manfredini, Vanusa; Piccoli, Jacqueline Da Costa Escobar	2018	Occupational exposure to pesticides in family agriculture and the oxidative, biochemical and hematological profile in this agricultural model	Life Sciences (2018), 203, 177-183	⑪
76	Devashree, Yumnam; Kumar, Dutta Biman; Paul, S. B.; Sudip, Choudhury	2018	Evaluation of toxicity of Imidacloprid on erythrocyte membrane and vital organs in Swiss albino mice under experimental conditions	Research Journal of Chemistry and Environment (2018), 22(9), 41-46	⑯c（腹腔内投与） 被験物質の純度及び供給源が記載されていない。
77	El-Halwagy, Manal E. A.; Hussein, Rasha H.; Hamza, Amal H.; Al Bishri, Widad M.	2018	Hepatoprotective effect of alpha lipoic acid versus intoxication with imidacloprid widely used in KSA in albino rats	International Journal of Pharmaceutical Research and Allied Sciences (2018), 7(3), 224-233	⑭
78	Esha Yadav; Yadav, E.	2018	Behavioural and haematological changes induced by Imidacloprid (Confidor) in Rattus norvegicus.	Journal of Experimental Zoology, India (2018) , Volume 21, Number 2, pp. 823-826, 18 refs. ISSN: 0972-0030 Published by: Dr P. R. Yadav, Muzaffrnagar	⑭
79	Hernandez J; Volland A; Leyshon B J; Juda M; Ridlon J M; Johnson R W; Steelman A J	2018	Effect of imidacloprid ingestion on immune responses to porcine reproductive and respiratory syndrome virus.	Scientific reports, (2018 Aug 02) Vol. 8, No. 1, pp. 11615. Electronic Publication Date: 2 Aug 2018	⑯b

80	Komal	2018	A Review: Immunological and biochemical studies on imidacloprid toxicity	Pharma Innovation (2018), 7(4-P), 1-4	⑧
81	Mahajan, Lakshay; Verma, Pawan Kumar; Raina, Rajinder; Pankaj, Nrip K.; Sood, Shilpa; Singh, Maninder	2018	Alteration in thiols homeostasis, protein and lipid peroxidation in renal tissue following subacute oral exposure of imidacloprid and arsenic in Wistar rats	Toxicology Reports (2018), 5, 1114-1119	⑭
82	Mahajan, Lakshay; Verma, Pawan Kumar; Raina, Rajinder; Sood, Shilpa	2018	Toxic effects of imidacloprid combined with arsenic: Oxidative stress in rat liver .	Toxicology and Industrial Health, (2018) . Refs: 37 ISSN: 0748-2337; E-ISSN: 1477-0393 CODEN: TIHEEC	⑭
83	Mahajan, Lakshay; Verma, Pawan Kumar; Raina, Rajinder; Sood, Shilpa	2018	Potentiating effect of imidacloprid on arsenic-induced testicular toxicity in Wistar rats .	BMC Pharmacology and Toxicology, (31 Jul 2018) Vol. 19, No. 1. arn. 48. Refs: 47 E-ISSN: 2050-6511	⑭
84	Mikolic Anja; Karaconji Irena Brcic	2018	Imidacloprid as reproductive toxicant and endocrine disruptor : investigations in laboratory animals.	Arhiv za higijenu rada i toksikologiju, (2018 Jun 01) Vol. 69, No. 2, pp. 103-108.	⑧
85	Mzid, Massara; Ghlissi, Zohra; Ben Salem, Maryem; Ben Khedir, Sameh; Chaabouni, Khansa; Ayedi, Fatma; Sahnoun, Zouheir; Hakim, Ahmed; Rebai, Tarek	2018	Chemoprotective role of ethanol extract of Urtica urens L. against the toxicity of imidacloprid on endocrine disruption and ovarian morphometric in female rats , GC/MS analysis	Biomedicine and Pharmacotherapy (2018), 97, 518-527	⑭
86	Prerna Vohra; Khera, K. S.; Vohra, P.	2018	Imidacloprid induced toxicity in ovary of female Wistar rats in two generations .	Applied Biological Research (2018) , Volume 20, Number 1, pp. 62-67 ISSN: 0972-0979 DOI: 10.5958/0974-4517.2018.00007.1 Published by: Centre for Advancement of Applied Sciences, Srinagar	⑭
87	Schmidt, Silke, Phd.	2018	Promotional consideration: A potential mechanistic link between neonicotinoid insecticides and hormone-dependent breast cancer.	Environmental Health Perspectives, (November 2018) Vol. 126, No. 11. arn. 114001. Refs: 11 ISSN: 0091-6765; E-ISSN: 1552-9924	⑧
88	Shi, Lin-Bo; Xu, Hua-Ping; Wu, Yu-Jie; Li, Xin; Gao, Jin-Yan; Chen, Hong-Bing	2018	The effects of imidacloprid combined with endosulfan on IgE-mediated mouse bone marrow-derived mast cell degranulation and anaphylaxis	Pesticide Biochemistry and Physiology (2018) Ahead of Print	⑯e
89	Vardavas, Alexander I.; Ozcagli, Eren; Fragkiadaki, Persefoni; Stivaktakis, Polychronis D.; Tzatzarakis, Manolis N.; Alegakis, Athanasios K.; Vasilaki, Fotini; Kaloudis, Kostas; Tsiaoussis, John; Kouretas, Dimitrios; Tsitsimpikou, Christina; Carvalho, Fel	2018	The metabolism of imidacloprid by aldehyde oxidase contributes to its clastogenic effect in New Zealand rabbits	Mutation Research, Genetic Toxicology and Environmental Mutagenesis (2018), 829-830, 26-32	非GLP 文献の小核試験及びコメットアッセイについてはウサギが使用されているが、文献に明記されているECD474あるいは489ガイドラインは、げっ歯類が推奨されており、ウサギでの妥当性が記載されていない。 Vapco(Jordan)から供給されたもので、被験物質の純度の情報なし。
90	Bivehed, Erik; Gustafsson, Anton; Berglund, Anders; Hellman, Bjoern	2019	Evaluation of Potential DNA-Damaging Effects of Nitenpyram and Imidacloprid in Human U937-Cells Using a New Statistical Approach to Analyse Comet Data	Exposure and Health (2019) Ahead of Print	非GLP/準拠した試験ガイドラインの記載がない。 文献において使用した株は遺伝毒性を見る上で適していないと考えられる。

91	Farag, Mayada R.; Fotoh, Magdy F. Abou-El; Gihan; El-Sayed, G.; El-Sayed, Eman W.	2019	Modulatory effect of ginger aqueous extract against imidacloprid -induced neurotoxicity in rats .	Zagazig Veterinary Journal, (2019) Vol. 47, No. 4, pp. 432-446. Refs: 67 ISSN: 1110-1458; E-ISSN: 2357-075X	⑭
92	Hassan, Abdel Moniem S.; Abo El-Ela, Fatma I.; Abdel-Aziz, Ayman Moustafa	2019	Investigating the potential protective effects of natural product quercetin against imidacloprid -induced biochemical toxicity and DNA damage in adults rats	Toxicology Reports (2019), 6, 727-735	⑭/⑯e 被験物質として35%の液体を使用しており、その他の成分が不明。
93	Ichikawa, Go; Kuribayashi, Ryota; Ikenaka, Yoshinori; Ichise, Takahiro; Nakayama, Shouta M.M.; Ishizuka, Mayumi; Taira, Kumiko; Fujioka, Kazutoshi; Sairenchi, Toshimi; Kobashi, Gen; Bonmatin, Jean-Marc; Yoshihara, Shigemi	2019	LC-ESI/MS/MS analysis of neonicotinoids in urine of very low birth weight infants at birth.	PLoS ONE, (2019) Vol. 14, No. 7. arn. e0219208. Refs: 61 E-ISSN: 1932-6203 CODEN: POLNCL	バイオモニタリング　イミダクロプリドの結果が示されていない（検出せず） 健康状態に関連した適した統計学的分析がなされていない。
94	Ilyushina, Nataliya; Goumenou, Marina; Stivaktakis, Polychronis D.; Vardavas, Alexander I.; Masaltsev, Gleb; Averianova, Nataliya; Dmitricheva, Olga; Revazova, Yulia; Tsatsakis, Aristidis M.; Rakitskii, Valerii	2019	Maximum tolerated doses and erythropoiesis effects in the mouse bone marrow by 79 pesticides technical materials assessed with the micronucleus assay.	Toxicology Reports, (1 Jan 2019) Vol. 6, pp. 105-110. Refs: 22 ISSN: 2214-7500	最高用量での多染性赤血球の結果が明記されているのみで、用量に関連した変化が確認できない。
95	Izumi, Hironori; Ishimoto, Tetsuya; Yamamoto, Hiroshi; Mori, Hisashi	2019	Bioluminescence imaging of Arc expression in mouse brain under acute and chronic exposure to pesticides	NeuroToxicology (2019), 71, 52-59	⑯c (腹腔内投与)
96	Ndonwi Elvis Ngwa; Atogho-Tiedeu Barbara; Lontchi-Yimagou Eric; Shinkafi Tijjani S; Nanfa Dieudonne; Balti Eric V; Indusmita Routray; Mahmood Amena; Katte Jean-Claude; Mbanya Armand; Matsha Tandi; Mbanya Jean Claude; Shakir Ali; Sobngwi Eugene	2019	Gestational Exposure to Pesticides Induces Oxidative Stress and Lipid Peroxidation in Offspring that Persist at Adult Age in an Animal Model.	Toxicological research, (2019 Jul) Vol. 35, No. 3, pp. 241-248. Electronic Publication Date: 15 Jul 2019	⑭
97	Walderdorff, Louise; Laval-Gilly, Philippe; Wechtler, Laura; Bonnefoy, Antoine; Falla-Angel, Jairo	2019	Phagocytic activity of human macrophages and Drosophila hemocytes after exposure to the neonicotinoid imidacloprid	Pesticide Biochemistry and Physiology (2019) Ahead of Print	２つの細胞株で結果に差があるが、その違いについて言及されておらず、イミダクロプリドの影響であるかが疑わしい。 陽性対照が設定されていない。
98	Coppola, Lucia; Tait, Sabrina; Ciferri, Lorella; Frustagli, Gianluca; Merola, Carmine; Perugini, Monia; Fabbrizi, Enrica; Rocca, Cinzia La	2020	Integrated approach to evaluate the association between exposure to pesticides and idiopathic premature thelarche in girls: the PEACH project	International Journal of Molecular Sciences (2020), 21(9), 3282	これから実施される研究の概要報告であり、結果は報告されていない。
99	Ilyushina, Nataliya A.; Egorova, Olga V.; Masaltsev, Gleb V.; Averianova, Nataliya S.; Revazova, Yulia A.; Rakitskii, Valerii N.; Goumenou, Marina; Vardavas, Alexander; Stivaktakis, Polychronis; Tsatsakis, Aristidis	2020	Genotoxicity of mixture of imidacloprid , imazalil and tebuconazole	Toxicology Reports (2020), 7, 1090-1094	⑫
100	Khidkhan Kraisiri; Ikenaka Yoshinori; Ichise Takahiro; Nakayama Shouta M M; Mizukawa Hazuki; Nomiyama Kei; Iwata Hisato; Arizono Koji; Takahashi Keisuke; Kato Keisuke; Ishizuka Mayumi	2020	Interspecies differences in cytochrome P450-mediated metabolism of neonicotinoids among cats, dogs , rats , and humans.	Comparative biochemistry and physiology. Toxicology and pharmacology : CBP, (2020 Oct 03) Vol. 239, pp. 108898. Electronic Publication Date: 3 Oct 2020	⑯b

101	Mohamed Wafaa H; Amein Karam A; Yahia Doha; Sharkawy Ahmed A; Mahmoud Adel S	2020	Mutagenic effect of imidacloprid insecticide: The ameliorative effect of pre and post exposure to olive oil.	Journal of food biochemistry, (2020 Apr 03) pp. e13221. Electronic Publication Date: 3 Apr 2020	⑭
102	Ndonwi Elvis Ngwa; Atogho-Tiedeu Barbara; Lontchi-Yimagou Eric; Shinkafi Tijjani S; Nanfa Dieudonne; Balti Eric V; Katte Jean Claude; Mbanya Armand; Matsha Tandi; Mbanya Jean Claude; Shakir Ali; Sobngwi Eugene	2020	Metabolic effects of exposure to pesticides during gestation in female Wistar rats and their offspring : a risk factor for diabetes?.	Toxicological research, (2020 Jul) Vol. 36, No. 3, pp. 249-256. Electronic Publication Date: 4 Feb 2020	⑭
103	Phyu, Mya Pwint, Prof.; Hlain, Zarchi Theint Theint; Zaw, Thurein; Htway, Soe Minn; Sein, Mya Thanda	2020	Correlation study between erythrocyte acetylcholinesterase activity, serum malondialdehyde and insulin sensitivity in agricultural workers and non-agricultural workers in nat-kan village, magway township.	Journal of the ASEAN Federation of Endocrine Societies, (2020) Vol. 35, No. 1, pp. 85-92. Refs: 40 ISSN: 0857-1074; E-ISSN: 2308-118X	①
104	Soujanya, S; Lakshman, M; Madhuri, D; Reddy, A Gopala; Rao, S V Rama	2020	Hematological Alterations Induced by Imidacloprid and Ameliorative Effect of Withania somnifera in Female Albino Wistar Rats	Journal of Animal Research, Vol. 10, No. 2, pp. 215-220, 20200401 ISSN: 2249-6629 E-ISSN: 2277-940X DOI: 10.30954/2277-940X.02.2020.8 Published by: New Delhi Publishers, New Delhi	⑯e 被験物質の純度が記載されていない。
105	Nozaki, Tomoharu; Yamata, Toshiaki	2007	Determination of imidacloprid in feed by LC-MS	Shiryo Kenkyu Hokoku (Norin Suisan Shohi Anzen Gijutsu Senta) (2007), 32, 23-29	⑤
106	Kumar, K.; Santharam, G.; Regupathy, A.; Kuttalam, S.; Chandrasekaran, S.	2008	Standardization and determination of harvest time residues of imidacloprid on cotton	Journal of Plant Protection and Environment (2008), 5(1), 13-15	⑰
107	Hayashi, Takako; Fujimaki, Teruhisa; Itoh, Shin-Ichi	2008	Analysis of pesticide residues in agricultural products by liquid chromatography with tandem mass spectrometry	Kanagawa-ken Eisei Kenkyusho Kenkyu Hokoku (2008), 38, 39-43	⑧
108	Claeys, W. L.; De Voghel, S.; Schmit, J.-F.; Vromman, V.; Pussemier, L.	2008	Exposure assessment of the Belgian population to pesticide residues through fruit and vegetable consumption	Food Additives and Contaminants, Part A: Chemistry, Analysis, Control, Exposure and Risk Assessment (2008), 25(7), 851-863	⑪
109	Cus, Franc; Cesnik, Helena Basa; Bolta, Spela Velikonja; Gregorcic, Ana	2009	Pesticide residues and microbiological quality of bottled wines	Food Control (2009), Volume Date 2010, 21(2), 150-154	⑯d
110	Tsuchida, Takamasa; Chatani, Yoshiyuki; Ohfuji, Masumi; Owaki, Shigeyoshi; Nishiuchi, Hajime; Matsumoto, Hironobu; Ohta, Hiroko	2010	A survey of pesticide residues in agricultural products (Apr. 2009 - Mar. 2010)	Kyoto-fu Hoken Kankyo Kenkyusho Nenpo (2010), 55, 62-66	⑧
111	Schippers, Nicole; Schwack, Wolfgang	2010	Phototransformation of imidacloprid on isolated tomato fruit cuticles and on tomato fruits	Journal of Photochemistry and Photobiology, B: Biology (2010), 98(1), 57-60	⑰
112	Cus, Franc; Cesnik, Helena Basa; Bolta, Spela Velikonja; Gregorcic, Ana	2010	Pesticide residues in grapes and during vinification process	Food Control (2010), 21(11), 1512-1518	①
113	Mohapatra, Soudamini; Ahuja, Ashok Kumar; Sharma, Debi; Deepa, Manthirachalam; Prakash, Gondakar Seshagirirao; Kumar, Sampath	2011	Residue study of imidacloprid in grapes (Vitis vinifera L.) and soil	Quality Assurance and Safety of Crops and Foods (2011), 3(1), 24-27	⑰
114	Gebara, A. B.; Ciscato, C. H. P.; Monteiro, S. H.; Souza, G. S.	2011	Pesticide Residues in some Commodities: Dietary Risk for Children.	Bull. Environ. Contam. Toxicol., Volume 86, Issue 5, Page 506-510, Publication Year 2011	⑪
115	Nakayama, Hideki; Doi, Kohei; Tsujimura, Kazunari; Yamanouchi, Kimiko	2011	Pesticide residues in agricultural products (2011)	Nagasaki-ken Kankyo Hoken Kenkyu Senta Shoho (2011), 57, 91-94	⑯d
116	Ashauer, Roman; Hintermeister, Anita; Oconnor, Isabel; Elumelu, Maline; Hollender, Juliane; Escher, Beate I.	2012	Significance of Xenobiotic Metabolism for Bioaccumulation Kinetics of Organic Chemicals in Gammarus pulex.	Environ. Sci. Technol., Volume 46, Issue 6, Page 3498-3508, Publication Year 2012	⑬

117	Iwakoshi, Keiko; Kobayashi, Maki; Otsuka, Kenji; Tamura, Yasuhiro; Tomizawa, Sanae; Kinoshita, Teruaki; Kamijo, Kyoko; Sato, Chizuko; Takano, Ichiro	2012	Survey of pesticide recidues in domestic vegetables and fruits (April 2011-March 2012)	Tokyo-to Kenko Anzen Kenkyu Senta Kenkyu Nenpo (2012), 63, 229-235	東京都健康安全研究センターの年報であり査読付き雑誌ではない。
118	Owaki, Shigeyoshi; Hamada, Sachiko; Tsuchida, Takamasa; Toriminami, Yutaka; Matsumoto, Hironobu; Mozawa, Marina; Chatani, Yoshiyuki	2012	Survey of pesticide residues in agricultural products (Apr. 2011-May 2012)	Kyoto-fu Hoken Kankyo Kenkyusho Nenpo (2012), 57, 50-55	東京都健康安全研究センターの年報であり査読付き雑誌ではない。
119	Ushiyama, Keiko; Kobayashi, Maki; Otsuka, Kenji; Tamura, Yasuhiro; Tomizawa, Sanae; Kinoshita, Teruaki; Kamijo, Kyoko; Iwakoshi, Keiko; Sato, Chizuko; Takano, Ichiro	2012	Survey of pesticide residues in imported crops (orgonophosphorus and organonitrogen pesticides) (April 2011-March 2012)	Tokyo-to Kenko Anzen Kenkyu Senta Kenkyu Nenpo (2012), 63, 213-219	東京都健康安全研究センターの年報であり査読付き雑誌ではない。
120	Khan, Barkat Ali; Zubair, Ahmad; Khan, Sher Ali; Ud-Din, Zahoor	2012	Monitoring pesticide residues in fruits and vegetables grown in Khyber Pakhtoonkhwa	International Journal of Green and Herbal Chemistry (2012), 1(3), 302-313, 12 pp.	⑯d
121	Mohapatra, Soudamini; Deepa, M.; Lekha, S.; Nethravathi, B.; Radhika, B.; Gourishanker, S.	2012	Residue Dynamics of Spirotetramat and Imidacloprid in/on Mango and Soil	Bulletin of Environmental Contamination and Toxicology (2012), 89(4), 862-867	⑰
122	Lin, Ling; Yang, Chunliang; Peng, Zheng; Wang, Mingyue; Zeng, Zongqiang; Guo, Hongbin	2013	Determination of imidacloprid,acetamiprid, thiabendazole and carbendazim residues in edible fungi by HPLC	Advanced Materials Research (Durnten-Zurich, Switzerland) (2013), 781-784(Advances in Chemical Engineering III), 99-103	⑤ ⑰
123	Lin, Ling; Peng, Zheng; Yang, Chunliang; Wang, Mingyue; Zha, Yubing; Liu, Lili; Zeng, Shaodong	2013	Determination of imidacloprid,carbendazim and thiabendazole residues in vegetables and fruits by HPLC	Advanced Materials Research (Durnten-Zurich, Switzerland) (2013), 781-784(Advances in Chemical Engineering III), 1392-1396	⑤ ⑰
124	Hendawi, M. Y.; Romeh, A. A.; Mekky, T. M.	2013	Effect of food processing on residue of imidacloprid in strawberry fruits.	Journal of Agricultural Science and Technology (2013), Volume 15, Number 5, pp. 951-959, 33 refs. ISSN: 1680-7073 Published by: Tarbiat Modares University, Tehran	⑬ ⑰
125	Chauhan, Shailendra S.; Srivastava, Anjana	2013	Effect of imidacloprid insecticide residue on biochemical parameters in potatoes and its estimation by HPLC.	Asian Journal of Pharmaceutical and Clinical Research, (August 2013) Vol. 6, No. SUPPL.3, pp. 114-117. Refs: 24 ISSN: 0974-2441	⑬ ⑰
126	Arienzo, M.; Cataldo, D.; Ferrara, L.	2013	Pesticide residues in fresh-cut vegetables from integrated pest management by ultra performance liquid chromatography coupled to tandem mass spectrometry	Food Control (2013), 31(1), 108-115	⑯d
127	Martin, L.; Mezcua, M.; Ferrer, C.; Gil Garcia, M. D.; Malato, O.; Fernandez-Alba, A. R.	2013	Prediction of the processing factor for pesticides in apple juice by principal component analysis and multiple linear regression	Food Additives and Contaminants, Part A: Chemistry, Analysis, Control, Exposure and Risk Assessment (2013), 30(3), 466-476	⑰
128	Honnappagouda, K; Bheemanna, M; Ravi, M V; Hosamani, A C	2013	Residue Levels of Imidacloprid Formulations in Okra Fruits	Indian journal of plant protection (Jun 2013), Volume 41, Number 2, pp. 132-135, 4 p. ISSN: 0253-4355; 2249-7870; 2249-7870 Source Note: 201306, v. 41, no. 2	⑰
129	Abdel-Hamid, Rania M.; El-Sayed, Walaa; Ahmed, Nevein S.	2013	The relationship between different formulation types and the residue levels of pesticides on tomato fruits	Research Journal of Agriculture and Biological Sciences (2013), 9(1), 8-16	⑯d
130	Nix, K.; Lambdin, P.; Grant, J.; Coots, C.; Merten, P.	2013	Concentration levels of imidacloprid and dinotefuran in five tissue types of black walnut, Juglans nigra.	Forests (2013), Volume 4, Number 4, pp. 887-897, 34 refs. ISSN: 1999-4907 DOI: 10.3390/f4040887 Published by: MDPI Publishing, Basel	⑰

131	Tamura, Yasuhiro; Otsuka, Kenji; Ushiyama, Keiko; Tomizawa, Sanae; Yamaki, Yumiko; Iwakoshi, Keiko; Baba, Itoko; Takano, Ichiro	2013	Survey of pesticide residues in domestic vegetables and fruits (April 2012-March 2013)	Tokyo-to Kenko Anzen Kenkyu Senta Kenkyu Nenpo (2013), 64, 137-142	東京都健康安全研究センターの年報であり査読付き雑誌ではない。
132	Tomizawa, Sanae; Otsuka, Kenji; Ushiyama, Keiko; Tamura, Yasuhiro; Yamaka, Yumiko; Iwakoshi, Keiko; Baba, Itoko; Takano, Ichiro	2013	Survey of pesticide residues in imported crops (fruits) (April 2012-March 2013)	Tokyo-to Kenko Anzen Kenkyu Senta Kenkyu Nenpo (2013), 64, 127-135	東京都健康安全研究センターの年報であり査読付き雑誌ではない。
133	Nieto-Garcia, Antonio Jose; Romero-Gonzalez, Roberto; Garrido Frenich, Antonia	2014	Determination of multi-class pesticide residue in dietary supplements from grape seed extracts by ultra-high-performance liquid chromatography coupled to triple quadrupole mass spectrometry	Food Additives and Contaminants, Part A: Chemistry, Analysis, Control, Exposure and Risk Assessment (2014), 31(9), 1550-1561	⑤
134	Rebelo, Andrey M.; Heller, Melina; Dolzan, Maressa D.; Deschamps, Francisco C.; Abate, Gilberto; Micke, Gustavo A.; Grassi, Marco T.	2014	Determination of twenty pesticides in rice by employing QuEChERS and LC-ESI-MS/MS	Analytical Methods (2014), 6(23), 9469-9476	⑤
135	Alister, Claudio (Reprint); Araya, Manuel; Morande, Jose E.; Volosky, Christian; Saavedra, Jorge; Cordova, Andres; Kogan, Marcelo Alister, Claudio (Reprint); Araya, Manuel Morande, Jose E. Volosky, Christian Saavedra, Jorge; Cordova, Andres Kogan, Marcelo	2014	Effects of wine grape cultivar, application conditions and the winemaking process on the dissipation of six pesticides	CIENCIA E INVESTIGACION AGRARIA, (OCT-DEC 2014) Vol. 41, No. 3, pp. 375-386. ISSN: 0718-1620.	⑬ ⑰
136	Muller, Erica; Van Der Schoor, Caroline; Brocca, Daniela; Medina-Pastor, Paula; Reich, Hermine; Triacchini, Giuseppe	2014	The 2011 European union report on pesticide residues in food	EFSA Journal (2014), 12(5), 3694/1-3694/511, 511 pp.	⑪
137	Liang, Y.; Liu, Y.; Ding, Y.; Liu, X. J.	2014	Meta-analysis of food processing on pesticide residues in fruits	Food Additives and Contaminants, Part A: Chemistry, Analysis, Control, Exposure and Risk Assessment (2014), 31(9), 1568-1573	⑬
138	Sahoo, S. K.; Balwinder Singh; Singh, B.	2014	Uptake and persistence of imidacloprid in cotton crop after application to cotton seeds.	Journal of Insect Science (Ludhiana) (2014), Volume 27, Number 2, pp. 260-264, 16 refs. ISSN: 0970-3837 Published by: Indian Society for the Advancement of Insect Science, Ludhiana	⑰
139	Belenguer, Vicent; Martinez-Capel, Francisco; Masia, Ana; Pico, Yolanda	2014	Patterns of presence and concentration of pesticides in fish and waters of the Jucar River (Eastern Spain)	Journal of Hazardous Materials (2014), 265, 271-279	⑯d
140	Panhwar, A. A.; Sheikh, S. A.; Soomro, A. H.; Abro, G. H.	2014	Removal of pesticide residues from tomato and its products.	Journal of Basic and Applied Sciences (2014), Volume 10, pp. 559-565, 27 refs. ISSN: 1814-8085 DOI: 10.6000/1927-5129.2014.10.75 Published by: Lifescience Global, Mississauga	⑬
141	Golge, Ozgur; Kabak, Bulent	2015	Determination of 115 pesticide residues in oranges by high-performance liquid chromatography-triple-quadrupole mass spectrometry in combination with QuEChERS method	Journal of Food Composition and Analysis (2015), 41, 86-97	⑯d
142	Wang, Yunshen; Chen, Changshui; Cao, Xiufang; Li, Jianhong	2015	Determination of agrochemical residues in aquatic vegetables by solid-phase extraction combined with HPLC spectrometry analyses	Research on Chemical Intermediates (2015), 41(5), 2841-2853	⑤
143	Yu, Fei; Chen, Li; Pan, Lining; Hu, Bin; Liu, Huimin	2015	Determination of multi-pesticide residue in tobacco using multi-walled carbon nanotubes as a reversed-dispersive solid-phase extraction sorbent	Journal of Separation Science (2015), 38(11), 1894-1899	⑤

144	Farajzadeh, Mir Ali; Afshar Mogaddam, Mohammad Reza; Alizadeh, Ali Akbar	2015	Determination of neonicotinoid insecticide residues in edible oils by water-induced homogeneous liquid-liquid extraction and dispersive liquid-liquid extraction followed by high performance liquid chromatography-diode array detection	RSC Advances (2015), 5(95), 77501-77507	⑤
145	Tran, S. C.; Le, H. Th.; Thai-Nguyen, T. H.	2015	Determination of pesticide multi-residues in green tea using a modified QuEChERS extraction and liquid chromatography tandem mass spectrometry technique	Acta Alimentaria (2015), 44(3), 409-419	⑤
146	Skretteberg, L. G.; Lyraan, B.; Holen, B.; Jansson, A.; Fohgelberg, P.; Siivinen, K.; Andersen, J. H.; Jensen, B. H.	2015	Pesticide residues in food of plant origin from Southeast Asia - A Nordic project	Food Control (2015), 51, 225-235	⑯d
147	Basa Cesnik, Helena; Velikonja Bolta, Spela; Lisjak, Klemen	2015	Plant protection product residues in red grapes and Teran PTP wine	Food Additives and Contaminants, Part B: Surveillance (2015), 8(2), 113-122	⑯d
148	Kiris, Sevilay; Velioglu, Yakup Sedat	2015	Reduction in pesticide residue levels in olives by ozonated and tap water treatments and their transfer into olive oil	Food Additives and Contaminants, Part A (2015) Ahead of Print	⑯c
149	Saadi Abdullah; Randhawa Muhammad A; Akhtar Saeed; Mansoor-Ul-Hassan; Asghar Ali; Sohaib Muhammad; Jahangir Muhammad A	2015	Assessment of different washing treatments to mitigate imidacloprid and acetamaprid residues in spinach.	Journal of the science of food and agriculture, (2015 Dec 18) . Electronic Publication Date: 18 Dec 2015	⑬
150	Ozkan, Ali	2015	Determination of pesticide residues in some oilseeds and nuts using LC-MS/MS analysis	Fresenius Environmental Bulletin (2015), 24(2a), 615-620	⑯f
151	Palenikova, Agnesa; Martinez-Dominguez, Gerardo; Arrebola, Francisco Javier; Romero-Gonzalez, Roberto; Hrouzkova, Svetlana; Garrido Frenich, Antonia	2015	Occurrence of pesticide residues and transformation products in different types of dietary supplements	Food Additives and Contaminants, Part A: Chemistry, Analysis, Control, Exposure and Risk Assessment (2015), 32(6), 849-856	⑯d
152	Louca Christodoulou, Despo; Kanari, Popi; Kourouzidou, Olympiada; Constantinou, Maria; Hadjiloizou, Panayiota; Kika, Koula; Constantinou, Panayiotis	2015	Pesticide residues analysis in honey using ethyl acetate extraction method: validation and pilot survey in real samples	International Journal of Environmental Analytical Chemistry (2015), 95(10), 894-910	⑯d
153	Malinowska, Elzbieta; Jankowski, Kazimierz; Sosnowski, Jacek; Wisniewska-Kadzajan, Beata	2015	Pesticide residues in cereal crop grains in Poland in 2013	Environmental Monitoring and Assessment (2015), 187(6), 1-7	⑯d
154	Strucinski Pawel; Ludwicki Jan K; Goralczyk Katarzyna; Czaja Katarzyna; Hernik Agnieszka; Liszewska Monika	2015	Risk assessment for pesticides MRL non-compliances in Poland in the years 2011-2015.	Roczniki Panstwowego Zakladu Higieny, (2015) Vol. 66, No. 4, pp. 309-17.	⑯d
155	Fang, Liping; Zhang, Shuqiu; Chen, Zilei; Du, Hongxia; Zhu, Qian; Dong, Zhan; Li, Huidong	2015	Risk assessment of pesticide residues in dietary intake of celery in China	Regulatory Toxicology and Pharmacology (2015), 73(2), 578-586	⑯d
156	Dias, Jonatan V.; Cutillas, Victor; Lozano, Ana; Pizzutti, Ionara R.; Fernandez-Alba, Amadeo R.	2016	Determination of pesticides in edible oils by liquid chromatography-tandem mass spectrometry employing new generation materials for dispersive solid phase extraction clean-up	Journal of Chromatography A (2016), 1462, 8-18	⑤
157	Souza, Deise F.; Souza, Edson L.; Borges, Endler M.	2016	Determination of pesticides in grape juices by QuEChERS and liquid chromatography-tandem mass spectrometry	Journal of the Brazilian Chemical Society (2016), 27(9), 1626-1635	⑤

158	Pratheeshkumar, N.; Chandran, M.; Beevi, S. Naseema; Mathew, Thomas Biju; George, Thomas; Paul, Ambily; Xavier, George; Ravi, K. Prathibha; Kumar, S. Visal; Rajith, R.	2016	Dissipation kinetics and effect of processing on imidacloprid and its metabolites in cardamom (Elettaria cardamomum Maton)	Environmental Monitoring and Assessment (2016), 188(1), 1-14	⑤ ⑰
159	Sanchez-Hernandez, Laura; Higes, Mariano; Martin, Maria T.; Nozal, Maria J.; Bernal, Jose L.	2016	Simultaneous determination of neonicotinoid insecticides in sunflower-treated seeds (hull and kernel) by LC-MS/MS	Food Additives and Contaminants, Part A (2016), 33(3), 442-451	⑤
160	Wang, Jian; Cheung, Wendy	2016	UHPLC/ESI-MS/MS determination of 187 pesticides in wine	Journal of AOAC International (2016), 99(2), 539-557	⑤
161	Lemos, Jon; Sampedro, M. Carmen; De Arino, Amaia; Ortiz, Amaia; Barrio, Ramon J.	2016	Risk assessment of exposure to pesticides through dietary intake of vegetables typical of the Mediterranean diet in the Basque Country	Journal of Food Composition and Analysis (2016), 49, 35-41	⑯d
162	Pandit, Goutam K.; Krushna, Gharde S.; Chowdhury, Nilanjana; Ghosh, Jaydeb	2016	Dissipation of imidacloprid residues in okra leaves, fruits and soil in Northern Region of West Bengal	Pesticide Research Journal (2016), 28(1), 20-24	⑰
163	Dhiman, Megha; Suyai, Archana; Srivastava, Anjana	2016	Residue studies of bifenthrin and imidacloprid in rice crop and soil under tropical climatic region	Pestology (2016), 40(12), 50-54	⑰
164	Stamm, Mitchell D.; Heng-Moss, Tiffany M.; Baxendale, Frederick P.; Siegfried, Blair D.; Blankenship, Erin E.; Nauen, Ralf	2016	Uptake and translocation of imidacloprid, clothianidin and flupyradifurone in seed-treated soybeans	Pest Management Science (2016), 72(6), 1099-1109	⑰
165	Elgueta, Sebastian; Moyano, Stella; Sepulveda, Paulina; Quiroz, Carlos; Correa, Arturo	2017	Pesticide residues in leafy vegetables and human health risk assessment in North Central agricultural areas of Chile	Food Additives and Contaminants, Part B: Surveillance (2017), 10(2), 105-112	⑯d
166	Seifrtova, Marcela; Halesova, Tatana; Sulcova, Klara; Riddellova, Katerina; Erban, Tomas	2017	Distributions of imidacloprid, imidacloprid-olefin and imidacloprid-urea in green plant tissues and roots of rapeseed (Brassica napus) from artificially contaminated potting soil	Pest Management Science (2017), 73(5), 1010-1016	⑰
167	Lima, Viviane G.; Campos, Vania P.; Santana, Thiago C.; Santana, Franciele O.; Costa, Tadeu A. C.	2017	Determination of agrochemical multi-residues in grapes. Identification and confirmation by gas chromatography-mass spectrometry	Analytical Methods (2017), 9(40), 5880-5889	⑤
168	Bordin, A. B.; Minetto, L.; Nascimento Filho, I. Do; Beal, L. L.; Moura, S.; Do Nascimento Filho, I.	2017	Determination of pesticide residues in whole wheat flour using modified QuEChERS and LC-MS/MS.	Food Analytical Methods (2017), Volume 10, Number 1, pp. 1-9, 18 refs. ISSN: 1936-9751 DOI: 10.1007/s12161-016-0542-2 Published by: Springer, New York	⑤
169	Calatayud-Vernich, Pau; Calatayud, Fernando; Simo, Enrique; Pico, Yolanda	2017	Occurrence of pesticide residues in Spanish beeswax	Science of the Total Environment (2017), 605-606, 745-754	⑯d ⑰
170	Klatyik, Szandra; Darvas, Bela; Olah, Marianna; Mortl, Maria; Takacs, Eszter; Szekacs, Andras	2017	Pesticide residues in spice paprika and their effects on environmental and food safety	Journal of Food and Nutrition Research (Bratislava, Slovakia) (2017), 56(3), 201-218	⑧
171	Larsson, Martin Olof; Nielsen, Vibe Sloth; Brandt, Christian Orsted; Bjerre, Niels; Laporte, Frank; Cedergreen, Nina	2017	Quantifying dietary exposure to pesticide residues using spraying journal data.	Food and Chemical Toxicology, (1 Jul 2017) Vol. 105, pp. 407-428. Refs: 24 ISSN: 0278-6915; E-ISSN: 1873-6351 CODEN: FCTOD7	⑮
172	Hamid, Almas; Yaqub, Ghazala; Ahmed, Sajid Rashid; Aziz, Nida Hamid, Almas; Aziz, Nida Ahmed, Sajid Rashid	2017	Assessment of human health risk associated with the presence of pesticides in chicken eggs	FOOD SCIENCE AND TECHNOLOGY, (JUL-SEP 2017) Vol. 37, No. 3, pp. 378-382. ISSN: 0101-2061.	⑯f
173	Ahmed, Mohammed Gaafer	2017	Degradation of imidacloprid insecticide in the environment on leaves surface by sunlight	International Journal of Scientific Research in Environmental Sciences (2017), 5(1), 22-27	全文へのアクセス不可能なマレーシアの雑誌、査読不明。

174	Al Naggar, Yahya; Codling, Garry; Giesy, John P.	2017	Human dietary intake and hazard characterization for residues of neonicotinoides and organophosphorus pesticides in Egyptian honey.	Toxicological and Environmental Chemistry, (2017) Vol. 99, No. 9-10, pp. 1397-1408.	はちみつ中残留ネオニコチノイド等のADIに対する割合。
175	Saka, Machiko	2017	Studies on effect of processing and cooking on the levels of pesticide residues in the food	Shokuhin Eiseigaku Zasshi (2017), 58(1), J6-J8	⑧
176	Sabudak, Temine; Handan Dokmeci, Ayse; Atabey, Taner	2017	The determination of 167 pesticides in rice grown in Turkey	Fresenius Environmental Bulletin (2017), 26(5), 3661-3667	⑯d
177	Abdel-Ghany, Maha F.; Hussein, Lobna A.; El Azab, Noha F.	2017	Multiresidue analysis of five neonicotinoid insecticides and their primary metabolite in cucumbers and soil using high-performance liquid chromatography with diode-array detection	Journal of AOAC International (2017), 100(1), 176-188	⑤ ⑰
178	Shabeer, T. P. Ahammed; Jadhav, Manjusha; Girame, Rushali; Hingmire, Sandip; Bhongale, Aarti; Pudale, Anjali; Banerjee, Kaushik	2017	Targeted screening and safety evaluation of 276 agrochemical residues in raisins using buffered ethyl acetate extraction and liquid chromatography-tandem mass spectrometry analysis	Chemosphere (2017), 184, 1036-1042	⑤
179	Frew, John A.; Brown, Jacob T.; Fitzsimmons, Patrick N.; Hoffman, Alex D.; Sadilek, Martin; Grue, Christian E.; Nichols, John W.	2018	Toxicokinetics of the neonicotinoid insecticide imidacloprid in rainbow trout (Oncorhynchus mykiss)	Comparative Biochemistry and Physiology, Part C: Toxicology and Pharmacology (2018), 205, 34-42	⑬
180	Chiarello, Marilda; Moura, Sidnei	2018	Determination of Pesticides in Organic Carrots by High-Performance Liquid Chromatography/High-Resolution Mass Spectrometry	Analytical Letters (2018), 51(16), 2561-2574	⑤
181	Suganthi, A.; Bhuvaneswari, K.; Ramya, M.	2018	Determination of neonicotinoid insecticide residues in sugarcane juice using LCMSMS	Food Chemistry (2018), 241, 275-280	⑤
182	Togola Abou; Meseka Silvestro; Menkir Abebe; Badu-Apraku Baffour; Boukar Ousmane; Tamo Manuele; Djouaka Rousseau	2018	Measurement of Pesticide Residues from Chemical Control of the Invasive Spodoptera frugiperda (Lepidoptera: Noctuidae) in a Maize Experimental Field in Mokwa, Nigeria.	International journal of environmental research and public health, (2018 Apr 25) Vol. 15, No. 5. Electronic Publication Date: 25 Apr 2018	①
183	Woodcock, Ben A.; Ridding, Lucy; Freeman, Stephen N.; Gloria Pereira, M.; Sleep, Darren; Redhead, John; Aston, David; Carreck, Norman L.; Shore, Richard F.; Bullock, James M.; Heard, Matthew S.; Pywell, Richard F.	2018	Neonicotinoid residues in UK honey despite European Union moratorium.	PLoS ONE, (January 2018) Vol. 13, No. 1. arn. e0189681. Refs: 44 E-ISSN: 1932-6203 CODEN: POLNCL	⑯d ⑰
184	Besil, N.; Cesio, V.; Luque, E.; Pintos, P.; Rivas, F.; Heinzen, H.	2018	Dissipation of pre-harvest pesticides on Clementine mandarins after open field application, and their persistence when stored under conventional postharvest conditions.	Horticulturae (2018), Volume 4, Number 4, 55 p., 52 refs. ISSN: 2311-7524 DOI: 10.3390/horticulturae4040055 Published by: MDPI AG, Basel	⑰
185	Shelver, Weilin L.; Lupton, Sara J.; Shappell, Nancy W.; Smith, David J.; Hakk, Heldur	2018	Distribution of Chemical Residues among Fat, Skim, Curd, Whey, and Protein Fractions in Fortified, Pasteurized Milk	ACS Omega (2018), 3(8), 8697-8708	④ ⑥
186	Elbagermi, Mohamed A.; Edwards, Howell G. M.; Alajtal, Adel I.; Alsedaw, Nada A.	2018	Nutritional evaluation of some commercial infant formula consumed in Misurata-Libya	Tropical Journal of Natural Product Research (2018), 2(1), 51-56	⑬
187	Chiesa Luca Maria; Panseri Sara; Nobile Maria; Ceriani Federica; Arioli Francesco	2018	Distribution of POPs, pesticides and antibiotic residues in organic honeys from different production areas.	Food additives and contaminants. Part A, Chemistry, analysis, control, exposure and risk assessment, (2018 Mar 13) . Electronic Publication Date: 13 Mar 2018	はちみつ中の残留結果のみ。

188	El-Megeed, M. I. A.; Mohamed, K. A.; Hammad, M. A.; Ebeed, N. M.; Mohamed, S. M.	2018	Residues of imidacloprid and mycolbutanil in/on grape and soil under field conditions. Special issue.	Arab Universities Journal of Agricultural Sciences (2018), Volume 26, Number Special issue (2D) (, pp. 1659-1670, 29 refs. ISSN: 1110-2675 DOI: 10.21608/ajs.2018.34175 Published by: The Society of Arab Colleges of Agriculture, Cairo	⑰
189	Preetha, G.; Stanley, J.; Manoharan, T.	2018	Harvest time residues of imidacloprid in cotton seed, lint, oil and bhendi (Okra) fruits.	Journal of Entomological Research, (SEP 2018) Vol. 42, No. 3, pp. 391-393.	⑰
190	Song, Nho-Eul; Kim, Dan-Bi; Lim, Tae-Gyu; Lee, Yun-Yeol; Yoo, Miyoung; Nam, Tae Gyu	2019	Determining pesticide residues in wheat flour by ultrahigh-performance liquid chromatography/quadrupole time-of-flight mass spectrometry with QuEChERS extraction	Food Additives and Contaminants, Part A (2019), 36(9), 1337-1347	⑤
191	Bommuraj Vijayakumar; Chen Yaira; Klein Hagai; Sperling Roy; Barel Shimon; Shimshoni Jakob A	2019	Pesticide and trace element residues in honey and beeswax combs from Israel in association with human risk assessment and honey adulteration.	Food chemistry, (2019 Jul 04) Vol. 299, pp. 125123. Electronic Publication Date: 4 Jul 2019	⑯d ⑰
192	Algharibeh, Ghaith Radwan; Alfararjeh, Malik Salah	2019	Pesticide residues in fruits and vegetables in Jordan using liquid chromatography/tandem mass spectrometry	Food Additives and Contaminants, Part B: Surveillance (2019), 12(1), 65-73	⑯d
193	Badr, Ahmed Noah; Ahmed, Mohamed Bedair M.; Amer, May M.; Thang, Vu Ngoc; Fouzy, Ahmed S. M.	2019	Pesticides evaluation in egyptian fruits and vegetables: a safety assessment study	Journal of Environmental Science and Technology (2019), 12(2), 81-91	⑯d
194	Badawy, Mohamed E. I.; Ismail, Ayah M. E.; Ibrahim, Ayah I. H.	2019	Quantitative analysis of acetamiprid and imidacloprid residues in tomato fruits under greenhouse conditions	Journal of Environmental Science and Health, Part B: Pesticides, Food Contaminants, and Agricultural Wastes (2019), 54(11), 898-905	⑰
195	Aydin, S.; Ulvi, M. Aydin, S.; Ulvi, M.	2019	Residue levels of pesticides in nuts and risk assessment for consumers	QUALITY ASSURANCE AND SAFETY OF CROPS and FOODS, (2019) Vol. 11, No. 6, pp. 539-548. ISSN: 1757-8361.	⑯d
196	Fedrizzi, Giorgio; Altafini, Alberto; Armorini, Sara; Al-Qudah, Khaled Mefleh; Roncada, Paola	2019	LC-MS/MS Analysis of Five Neonicotinoid Pesticides in Sheep and Cow Milk Samples Collected in Jordan Valley	Bulletin of Environmental Contamination and Toxicology (2019), 102(3), 347-352	⑯d
197	Taghizadeh, Seyedeh Faezeh; Goumenou, Marina; Rezaee, Ramin; Alegakis, Thanasis; Kokaraki, Venetia; Anesti, Ourania; Sarigiannis, Dimosthenis A.; Tsatsakis, Aristides; Karimi, Gholamreza	2019	Cumulative risk assessment of pesticide residues in different Iranian pistachio cultivars: Applying the source specific HQS and adversity specific HIA approaches in Real Life Risk Simulations (RLRS)	Toxicology Letters (2019), 313, 91-100	⑯d
198	Polat, Burak; Tiryaki, Osman	2019	Determination of some pesticide residues in conventional-grown and IPM-grown tomato by using QuEChERS method	Journal of Environmental Science and Health, Part B: Pesticides, Food Contaminants, and Agricultural Wastes (2019), 54(2), 112-117	⑰
199	He, Jia; Zhang, Bo; Zhang, Huan; Hao, Lan-Lan; Ma, Teng-Zhen; Wang, Jing; Han, Shun-Yu	2019	Monitoring of 49 Pesticides and 17 Mycotoxins in Wine by QuEChERS and UHPLC-MS/MS Analysis	Journal of Food Science (2019), 84(9), 2688-2697	⑤
200	Ustaoglu, Serap; Karatas, Sukru	2019	Monitoring of pesticide residues in apples	Fresenius Environmental Bulletin (2019), 28(1), 480-487	⑯d
201	Wu Changcai; Dong Fengshou; Mei Xiangdong; Jun Ning; She Dongmei	2019	Distribution, dissipation, and metabolism of neonicotinoid insecticides in the cotton ecosystem under foliar spray and root irrigation.	Journal of agricultural and food chemistry, (2019 Oct 15) . Electronic Publication Date: 15 Oct 2019	リスク評価に用いることのできない残留消長のみ。
202	Wang, Feiyan; Li, Xin; Yu, Sumei; He, Shuhong; Cao, Duantao; Yao, Shijie; Fang, Hua; Yu, Yunlong	2020	Chemical factors affecting uptake and translocation of six pesticides in soil by maize (Zea mays L.)	Journal of Hazardous Materials (2020) Ahead of Print	⑰
203	Lawson, A.; Steckel, S.; Williams, M.; Adamczyk, J.; Kelly, H.; Stewart, S. D.	2020	Insecticide and Fungicide Residues Following Foliar Application to Cotton and Soybean.	Journal of Cotton Science, (2020) Vol. 24, No. 4, pp. 159-167.	⑰

204	Cao, Binghua; Li, Hui; Cai, Enze; Fan, Mengbao	2020	Determination of Pesticides in Flour by Terahertz Time-Domain Spectroscopy (THz-TDS) with Voigt Function Fitting and Partial Least Squares (PLS) Analysis	Analytical Letters (2020) Ahead of Print	⑤
205	Al-Nasir, Farh M.; Jiries, Anwar G.; Al-Rabadi, Ghaid J.; Aludatt, Muhammad H.; Tranchant, Carole C.; Al-Dalain, Saddam A.; Alrabadi, Nasr; Madanat, Osama Y.; Al-Dmour, Rasha S.	2020	Determination of pesticide residues in selected citrus fruits and vegetables cultivated in the Jordan Valley	LWT--Food Science and Technology (2020), 123, 109005	⑯f ⑰
206	Kim, Junheon; Shin, Jihye; Park, Chung Gyoo; Lee, Sang-Hyun	2020	Pesticide residue monitoring and risk assessment in the herbal fruits Schisandra chinensis, Lycium chinense, and Cornus officinalis in Korea	Food Science and Biotechnology (2020) Ahead of Print	⑯d
207	Elgueta, Sebastian; Valenzuela, Marcela; Fuentes, Marcela; Meza, Pablo; Manzur, Juan Pablo; Liu, Shaofeng; Zhao, Guoqing; Correa, Arturo	2020	Pesticide residues and health risk assessment in tomatoes and lettuces from farms of Metropolitan Region Chile	Molecules (2020), 25(2), 355	⑯d
208	Gomez-Ramos, Maria Del Mar; Nannou, Christina; Martinez Bueno, Maria Jesus; Goday, Ana; Murcia-Morales, Maria; Ferrer, Carmen; Fernandez-Alba, Amadeo R.	2020	Pesticide residues evaluation of organic crops. A critical appraisal	Food Chemistry: X (2020), 5, 100079	⑯d
209	Yildirim Kumral, Aysegul; Kumral, Nabi Alper; Kolcu, Aysenur; Maden, Busra; Artik, Buse	2020	Simulation study for the degradation of some insecticides during different black table olive processes	ACS Omega (2020), 5(23), 14164-14172	⑰
210	Peshin, Rajinder; Hansra, Baljeet S.; Nanda, Rakesh; Singh, Kuldeep; Sharma, Rakesh; Garg, Lavleesh; Bajiya, Mangla R.; Showkat, Abid; Kumar, Raj; Yangsdon, Stanzin	2020	Pesticides Hazardous Hotspots: Empirical Evidences from North India.	Environmental Management, (1 Nov 2020) Vol. 66, No. 5, pp. 899-915. Refs: 90 ISSN: 0364-152X; E-ISSN: 1432-1009 CODEN: EMNGDC	⑪
211	Motoki, Yutaka	2020	Studies on the sorption behavior and plant uptake of pesticides in Japanese soils	Journal of Pesticide Science (Tokyo, Japan) (2020), 45(3), 159-165	⑯a
212	Oya, Naoko; Ito, Yuki; Ebara, Takeshi; Kato, Sayaka; Ueyama, Jun; Aoi, Arisa; Nomasa, Karin; Sato, Hirotaka; Matsuki, Taro; Sugiura-Ogasawara, Mayumi; Saitoh, Shinji; Kamijima, Michihiro	2021	Cumulative exposure assessment of neonicotinoids and an investigation into their intake-related factors in young children in Japan.	Science of the Total Environment, (1 January 2021) Vol. 750. arn. 141630. Refs: 45 ISSN: 0048-9697; E-ISSN: 1879-1026 CODEN: STEVA8	⑯d
213	Souza, Ana Paula Ferreirade; Petrarca, Mateus Henrique; De Campos Braga, Patricia Aparecida; Rodrigues, Nadia Regina; Reyes, Felix Guillermo Reyes	2021	Analysis of insecticide residues in honey by liquid chromatography tandem mass spectrometry using QuEChERS optimized by the Plackett Burman design	CyTA--Journal of Food (2021) Ahead of Print	⑤
214	Karnatak, A. K.; Thakur, Seema Singh; Shukla, Awdhesh	2006	Evaluation of persistent toxicity of some commonly used insecticides against Apis mellifera L. on Brassica campestris	Himalayan Journal of Environment and Zoology (2006), 20(1), 35-39	散布後の花にミツバチを暴露させて死亡を調べており、評価に用いられるエンドポイント(LD50)は得られていない。
215	Sanchez-Bayo, Francisco.	2006	Comparative acute toxicity of organic pollutants and reference values for crustaceans. I. Branchiopoda, Copepoda and Ostracoda.	Environ. Pollut. (Amsterdam, Neth.), Volume 139, Issue 3, Page 385-420, Publication Year 2006	⑧
216	Kim Donghwan; Kim Sangsoo; Kim Kwangsik; Hyun Jaewook; Kim, D. H.; Kim, S. S.; Kim, K. S.; Hyun, J. W.	2006	Comparative toxicity of some pesticides to the predatory mites, Neoseiulus fallacis Garman (Acari: Phytoseiidae).	Korean Journal of Applied Entomology (2006), Volume 45, Number 2, pp. 179-188, 24 refs. ISSN: 1225-0171 Published by: Korean Society of Applied Entomology, Suwon	⑯b

217	Hamamura, Tetsuzo; Kohno, Katsuyuki; Takeda, Mitsuyoshi	2006	Insecticide susceptibility of Pardosa astrigera L. koch spiderlings	Nippon Oyo Dobutsu Konchu Gakkaishi (2006), 50(3), 253-255	⑯b
218	Shivankar, V. J.; Rao, C. N.; Shyam Singh; Singh, S.	2006	Toxicity of imidacloprid on Mallada boninesis Okamoto (Neuroptea : Chrysopidae) : a versatile predator of citrus insect pests.	Journal of Eco-friendly Agriculture (2006), Volume 1, Number 2, pp. 180-181, 9 refs. ISSN: 2229-628X Published by: Doctors Agricultural and Horticultural Development Society, Luknow	⑯b
219	Mafi, Shaban Ali; Ohbayashi, Nobuo	2006	Toxicity of insecticides to the citrus leafminer, Phyllocnistis citrella, and its parasitoids, Chrysocharis pentheus and Sympiesis striatipes (Hymenoptera:Eulophidae)	Applied Entomology and Zoology (2006), 41(1), 33-39	⑯b
220	Kungolos, A.; Tsiridis, V.; Nassopoulos, H.; Samaras, P.; Tsiropoulos, N.	2006	Toxicity assessment of fosthiazate, metalaxyl-M and imidacloprid and their interaction with copper on Daphnia magna	WIT Transactions on Biomedicine and Health (2006), 10(Environmental Toxicology), 223-229	⑭
221	Toropov, Andrey A.; Benfenati, Emilio.	2006	QSAR models for Daphnia toxicity of pesticides based on combinations of topological parameters of molecular structures.	Bioorg. Med. Chem., Volume 14, Issue 8, Page 2779-2788, Publication Year 2006	⑮(既存の毒性データを用いたQSAR)
222	Pirard, C.; Widart, J.; Nguyen, B. K.; Deleuze, C.; Heudt, L.; Haubruge, E.; De Pauw, E.; Focant, J.-F.	2007	Development and validation of a multi-residue method for pesticide determination in honey using on-column liquid-liquid extraction and liquid chromatography-tandem mass spectrometry.	J. Chromatogr., A, Volume 1152, Issue 1-2, Page 116-123, Publication Year 2007	⑰
223	Lauziere, Isabelle; Elzen, Gary.	2007	Effect of formulated insecticides on Homalodisca vitripennis (Germar) (Hemiptera: Cicadellidae) and its parasitoid Gonatocerus ashmeadi girault (Hymenoptera: Mymaridae).	J. Entomol. Sci., Volume 42, Issue 1, Page 11-19, Publication Year 2007	⑯b
224	Sun, Hongwei; Shang, Youfen; Zhao, Jiuhua; Lu, Xingbo; Wang, Shengji; Yang, Chongliang	2007	Effects of different pesticides on wheat aphids and natural enemies	Mailei Zuowu Xuebao (2007), 27(3), 543-547	⑲
225	Tarun Balani; Seema Agrawal; Thaker, A. M.; Balani, T.; Agrawal, S.	2007	Hematological and biochemical changes due to short-term oral administration of imidacloprid .	Indian Journal of Environment and Toxicology (2007), Volume 17, Number 2, pp. 31-34, 11 refs. ISSN: 0971-2127 Published by: Jai Research Foundation, Gujarat	⑱(ニワトリの血液学的、生化学的変化)
226	Farag, N. A.; Gesraha, M. A.	2007	Impact of 4 insecticides on the parasitoid wasp, Diaeretiella rapae and its host aphid, Brevicoryne brassicae under laboratory conditions	Research Journal of Agriculture and Biological Sciences (2007), 3(5), 529-533	⑯b
227	Gesraha, M. A.	2007	Impact of some insecticides on the coccinellid predator, Coccinella undecimpunctata L. and its aphid prey, Brevicoryne brassicae L.	Egyptian Journal of Biological Pest Control (2007), Volume 17, Number 1/2, pp. 65-69, 21 refs. ISSN: 1110-1768 Published by: Egyptian Society for Biological Control of Pests, Cairo	⑯b
228	Mahdian, Kamran; Leeuwen, Thomas; Tirry, Luc; Clercq, Patrick	2007	Susceptibility of the predatory stinkbug Picromerus bidens to selected insecticides	BioControl (2007), 52(6), 765-774	⑯b
229	Tichy, Milon; Rucki, Marian; Hanzlikova, Iveta; Roth, Zdenek.	2007	The Tubifex tubifex assay for the determination of acute toxicity.	ATLA, Altern. Lab. Anim., Volume 35, Issue 2, Page 229-237, Publication Year 2007	⑯b
230	Basappa, H.	2007	Toxicity of biopesticides and synthetic insecticides to egg parasitoid, Trichogramma chilonis Ishii and coccinellid predator, Cheilomenes sexmaculata (Fabricius).	Journal of Biological Control, (2007) Vol. 21, No. 1, pp. 31-36. ISSN: 0971-930X. E-ISSN: 0970-5732.	⑯b

231	Poletti, M.; Maia, A. H. N.; Omoto, C.	2007	Toxicity of neonicotinoid insecticides to Neoseiulus californicus and Phytoseiulus macropilis (Acari: Phytoseiidae) and their impact on functional response to Tetranychus urticae (Acari: Tetranychidae)	Biological Control (2007), 40(1), 30-36	⑯b
232	Abdel-Wali, M.; Mustafa, T.; Al-Mazraawi, M. S.	2007	Toxicity of selected insecticides to green peach aphid, Myzus persicae (Hom.: Aphididae) and its parasitoid, Aphidius matricariae (Hym.: Aphidiidae).	American-Eurasian Journal of Agricultural and Environmental Science (2007), Volume 2, Number 5, pp. 498-503, 21 refs. ISSN: 1818-6769 Published by: IDOSI Publications, Faisalabad	⑯b
233	Grundy, P. R.	2007	Utilizing the assassin bug, Pristhesancus plagipennis (Hemiptera: Reduviidae), as a biological control agent within an integrated pest management programme for Helicoverpa spp. (Lepidoptera: Noctuidae) and Creontiades spp. (Hemiptera: Miridae) in cotton	Bulletin of Entomological Research (2007), 97(3), 281-290	⑯b
234	Byrne, Frank J.; Toscano, Nick C.	2007	Lethal toxicity of systemic residues of imidacloprid against Homalodisca vitripennis (Homoptera: Cicadellidae) eggs and its parasitoid Gonatocerus ashmeadi (Hymenoptera: Mymaridae).	Biol. Control, Volume 43, Issue 1, Page 130-135, Publication Year 2007	⑯b
235	Chaudhry, A.; Barna, B.; Sharma, M.	2007	rDNA-ITS 2 sequence based genotoxicity evaluation of imidacloprid using mosquito genome (Culicidae: Diptera).	J. Cytol. Genet., Volume 8, Issue 1, Page 85-92, Publication Year 2007	⑯b
236	Quarles, W.	2008	Pesticides and honey bee colony collapse disorder.	IPM Practitioner (2008), Volume 30, Number 9/10, pp. 1-10 ISSN: 0738-968X Published by: Bio Integral Research Center, Berkeley	⑧
237	Papachristos, Dimitrios P.; Milonas, Panagiotis G.	2008	Adverse effects of soil applied insecticides on the predatory coccinellid Hippodamia undecimnotata (Coleoptera: Coccinellidae).	Biol. Control, Volume 47, Issue 1, Page 77-81, Publication Year 2008	⑯b
238	Tamilselvan, C.; Pramila, B.; Hemananthan, E.; Hariharan, B.; Devarajan, N.	2008	Aerobic degradation of the insecticide, imidacloprid by the antagonistic organisms, Pseudomonas fluorescens and Trichoderma viride under in-vitro condition	Pestology (2008), 32(9), 16-19	⑯b
239	Naveed, M.; Salam, A.; Saleem, M. A.; Sayyed, Ali H.	2008	Effect of foliar applications of some insecticides on Bemisia tabaci, predators and parasitoids: implications in its management in Pakistan.	Phytoparasitica, Volume 36, Issue 4, Page 377-387, Publication Year 2008	⑯b
240	Liu, Chang-Zhong; Yan, Lin; Zhang, Xin-Rui; Chen, Ying-Wu; Zhang, Fang	2008	Effects of imidacloprid spraying on the population dynamics of main insect pests and natural enemies on alfalfa	Shengtai Xuebao (2008), 28(10), 5188-5193	⑲
241	Kreutzweiser, David P.; Good, Kevin P.; Chartrand, Derek T.; Scarr, Taylor A.; Holmes, Stephen B.; Thompson, Dean G.	2008	Effects on litter-dwelling earthworms and microbial decomposition of soil-applied imidacloprid for control of wood-boring insects.	Pest Manage. Sci., Volume 64, Issue 2, Page 112-118, Publication Year 2008	⑯b
242	Kumar, V. Anil; Janaiah, C.	2008	Exposure of sublethal concentration of imidacloprid alters serum enzymes in fresh water fish, Channa punctatus (Bloch).	J. Aquat. Biol., Volume 23, Issue 1, Page 119-122, Publication Year 2008	⑱

243	Vendan, K. T.; Sreenivas, A. G.; Nargund, V. B.; Nadaf, A. M.	2008	Impact of seed dressing chemicals on soil micro flora and sucking pests in cotton.	Annals of Plant Protection Sciences (2008), Volume 16, Number 1, pp. 212-214, 3 refs. ISSN: 0971-3573 Published by: Society of Plant Protection Sciences, New Delhi	⑯b
244	Drozdzynski, Dariusz	2008	Studies on residues of pesticides used in rape plants protection in surface waters of intensively exploited arable lands in Wielkopolska province of Poland	Annals of Agricultural and Environmental Medicine (2008), 15(2), 231-235	⑰
245	Choate, B.; Collins, J. A.; Drummond, F. A.	2008	The impact of high and low toxicity insecticides on Alleghany mound ant workers, 2007.	Arthropod Manage. Tests, Volume 33, Page L2, Publication Year 2008	⑯b
246	Kreutzweiser, D. P.; Good, K. P.; Chartrand, D. T.; Scarr, T. A.; Thompson, D. G.	2008	Toxicity of the Systemic Insecticide, Imidacloprid, to Forest Stream Insects and Microbial Communities.	Bull. Environ. Contam. Toxicol., Volume 80, Issue 3, Page 211-214, Publication Year 2008	⑯b
247	Liu, Hui-Jun; Guo, Cong; Liu, Jian-Zhang; Qiao, Qiao.	2008	Research of co-toxicity of dipterex and imidacloprid to Bufo gargarizans tadpole.	Anhui Nongye Kexue, Volume 36, Issue 31, Page 13662-13663, 13669, Publication Year 2008	⑯b
248	Whiteside, Melanie; Mineau, Pierre; Morrison, Clare; Knopper, Loren D.	2008	Comparison of a score-based approach with risk-based ranking of in-use agricultural pesticides in Canada to aquatic receptors	Integrated Environmental Assessment and Management (2008), 4(2), 215-236	⑨(公表データに基づく評価、新規データ無し)
249	Barik, S. R.; Majumder, S.; Bhattacharyya, A.	2009	The fate and behavior of Imidacloprid 0.3 percent G in water maintained at different pH and soils of different agro-climatic zones.	Journal of Crop and Weed (2009), Volume 5, Number 2, pp. 136-139, 14 refs. Published by: West Bengal Weed Science Society, West Bengal	⑱
250	Choate, B.; Collins, J. A.; Drummond, F. A.	2009	The impact of insecticides on Formica glacialis workers, 2008.	Arthropod Manage. Tests, Volume 34, Page C6, Publication Year 2009	⑯b
251	Dagli, Fatih; Bahsi, Serife Uenal	2009	Topical and residual toxicity of six pesticides to Orius majusculus	Phytoparasitica (2009), 37(5), 399-405	⑯b
252	Peck, Daniel C.	2009	Comparative impacts of white grub (Coleoptera: Scarabaeidae) control products on the abundance of non-target soil-active arthropods in turfgrass	Pedobiologia (2009), 52(5), 287-299	⑯b
253	Nemade, P. W.; Wadnerkar, D. W.; Bansod, R. S.; Kulkarni, C. G.; Mali, A. K.	2009	EFFECT OF NEWER INSECTICIDES ON NATURAL ENEMIES OF EARIAS VITTELLA IN OKRA FIELD.	Indian Journal of Agricultural Research, (2009) Vol. 43, No. 2, pp. 124-128.	⑯b
254	Bostanian, Noubar; Thistlewood, Howard A.; Hardman, John M.; Laurin, Marie-Claude; Racette, Gaetan	2009	Effect of seven new orchard pesticides on Galendromus occidentalis in laboratory studies	Pest Management Science (2009), 65(6), 635-639	⑯b
255	Kerns, D. L.; Baugh, B. A.	2009	Evaluation of insecticides against cotton aphids and predators in cotton, 2008	Arthropod Management Tests (2009), 34, F27	⑯b
256	Ghosh, Amalendu; Samanta, A.; Chatterjee, M. L.	2009	Evaluation of some insecticides on brown plant hopper Nilaparvata lugens (Stal.) and its predators in rice	Environment and Ecology (2009), 27(4A), 1653-1656	⑯b
257	Kungolos, A.; Emmanouil, C.; Tsiridis, V.; Tsiropoulos, N.	2009	Evaluation of toxic and interactive toxic effects of three agrochemicals and copper using a battery of microbiotests.	Sci. Total Environ., Volume 407, Issue 16, Page 4610-4615, Publication Year 2009	⑭
258	Pestana, Joao L. T.; Loureiro, Susana; Baird, Donald J.; Soares, Amadeu M. V. M.	2009	Fear and loathing in the benthos: Responses of aquatic insect larvae to the pesticide imidacloprid in the presence of chemical signals of predation risk.	Aquat. Toxicol., Volume 93, Issue 2-3, Page 138-149, Publication Year 2009	⑭
259	Ohnesorg, Wayne J.; Johnson, Kevin D.; Oneal, Matthew E.	2009	Impact of reduced-risk insecticides on soybean aphid and associated natural enemies	Journal of Economic Entomology (2009), 102(5), 1816-1826	⑯b

260	Scheil, Volker; Koehler, Heinz-R.	2009	Influence of Nickel Chloride, Chlorpyrifos, and Imidacloprid in Combination with Different Temperatures on the Embryogenesis of the Zebrafish Danio rerio.	Arch. Environ. Contam. Toxicol., Volume 56, Issue 2, Page 238-243, Publication Year 2009	⑱
261	Nian, Yu; Yang, Zai-Fu; Wei, Qian-Qian.	2009	Study on toxicity of triazophos, trichlorphon and imidacloprid on Rana limnocharis tadpole.	Anhui Nongye Kexue, Volume 37, Issue 18, Page 8538-8540, Publication Year 2009	⑯b
262	Preetha, Gnanadhas; Stanley, Johnson; Manoharan, Thiagarajan; Chandrasekaran, Subramanian; Kuttalam, Sasthakutty.	2009	Toxicity of imidacloprid and diafenthiuron to Chrysoperla carnea (Stephens) (Neuroptera: Chrysopidae) in the laboratory conditions.	J. Plant Prot. Res., Volume 49, Issue 3, Page 290-296, Publication Year 2009	⑯b
263	Preetha, G.; Stanley, J.; Suresh, S.; Kuttalam, S.; Samiyappan, R.	2009	Toxicity of selected insecticides to Trichogramma chilonis: Assessing their safety in the rice ecosystem.	Phytoparasitica, Volume 37, Issue 3, Page 209-215, Publication Year 2009	⑯b
264	Golmohammadi, Gh.; Hejazi, M. [Reprint Author]; Iranipour, Sh.; Mohammadi, S. A.	2009	Lethal and sublethal effects of endosulfan, imidacloprid and indoxacarb on first instar larvae of Chrysoperla carnea (Neu.: Chrysopidae) under laboratory conditions.	Journal of Entomological Society of Iran, (MAR 2009) Vol. 28, No. 2, pp. 37-47. ISSN: 0259-9996.	⑯b
265	Peck, D. C.	2009	Long-term effects of imidacloprid on the abundance of surface-and soil-active nontarget fauna in turf.	Agricultural and Forest Entomology (2009), Volume 11, Number 4, pp. 405-419 ISSN: 1461-9555 DOI: 10.1111/j.1461-9563.2009.00454.x Published by: Blackwell Publishing, Oxford	⑯b
266	Kumaran, N.; Kumar, B. V.; Boomathi, N.; Kuttalam, S.; Gunasekaran, K.	2009	Non - target effect of ethiprole 10 SC to predators of rice planthoppers.	Madras Agricultural Journal (2009), Volume 96, Number 1/6, pp. 208-212, 10 refs. ISSN: 0024-9602 Published by: Tamilnadu Agricultural University, Coimbatore	⑯b
267	Carrillo, Daniel; Pena, Jorge E.; Rogers, Michael E.	2009	Relative susceptibility of Haeckeliania sperata (Hymenoptera: Trichogrammatidae) to pesticides used in citrus and ornamental systems in Florida	Journal of Economic Entomology (2009), 102(3), 905-912	⑯b
268	Gerhardt, Almut.	2009	Screening the Toxicity of Ni, Cd, Cu, Ivermectin, and Imidacloprid in a Short-Term Automated Behavioral Toxicity Test with Tubifex tubifex (Muller 1774) (Oligochaeta).	Hum. Ecol. Risk Assess., Volume 15, Issue 1, Page 27-40, Publication Year 2009	⑯b
269	Yokoyama, Atsushi; Ohtsu, Kazuhisa; Iwafune, Takashi; Nagai, Takashi; Ishihara, Satoru; Kobara, Yuso; Horio, Takeshi; Endo, Shozo.	2009	Sensitivity difference to insecticides of a riverine caddisfly, Cheumatopsyche brevilineata (Trichoptera: Hydropsychidae), depending on the larval stages and strains.	J. Pestic. Sci. (Tokyo, Jpn.), Volume 34, Issue 1, Page 21-26, Publication Year 2009	⑯b
270	Genersch, Elke; Von Der Ohe, Werner; Kaatz, Hannes; Schroeder, Annette; Otten, Christoph; Buechler, Ralph; Berg, Stefan; Ritter, Wolfgang; Muehlen, Werner; Gisder, Sebastian; Meixner, Marina; Liebig, Gerhard; Rosenkranz, Peter.	2010	The German bee monitoring project: a long term study to understand periodically high winter losses of honey bee colonies.	Apidologie, Volume 41, Issue 3, Page 332-352, Publication Year 2010	コロニー消失に対するバロア、ウイルス、農薬等も含む多面的な調査。イミダクロプリドの評価に用いられるデータは含まれない。
271	Higes, Mariano [Reprint Author]; Martin-Hernandez, Raquel; Martinez-Salvador, Amparo; Garrido-Bailon, Encarna; Virginia Gonzalez-Porto, Amelia; Meana, Aranzazu; Luis Bernal, Jose; Jesus Del Nozal, Maria; Bernal, Jose	2010	A preliminary study of the epidemiological factors related to honey bee colony loss in Spain.	Environmental Microbiology Reports, (APR 2010) Vol. 2, No. 2, pp. 243-250. ISSN: 1758-2229.	⑱

272	Sardo, A. M.; Soares, A. M. V. M.	2010	Assessment of the Effects of the Pesticide Imidacloprid on the Behaviour of the Aquatic Oligochaete Lumbriculus variegatus.	Arch. Environ. Contam. Toxicol., Volume 58, Issue 3, Page 648-656, Publication Year 2010	⑯b
273	Langer-Jaesrich, Miriam; Koehler, Heinz-R.; Gerhardt, Almut	2010	Can mouth part deformities of Chironomus riparius serve as indicators for water and sediment pollution? A laboratory approach	Journal of Soils and Sediments (2010), 10(3), 414-422	⑱
274	Liu, Fang; Bao, Shan W.; Song, Ying; Lu, Hai Y.; Xu, Jian X.	2010	Effects of imidacloprid on the orientation behavior and parasitizing capacity of Anagrus nilaparvatae, an egg parasitoid of Nilaparvata lugens.	BioControl, Volume 55, Issue 4, Page 473-483, Publication Year 2010	⑯b
275	Bostanian, Noubar J.; Hardman, John M.; Thistlewood, Howard A.; Racette, Gaetan.	2010	Effects of six selected orchard insecticides on Neoseiulus fallacis (Acari: Phytoseiidae) in the laboratory.	Pest Manage. Sci., Volume 66, Issue 11, Page 1263-1267, Publication Year 2010	⑯b
276	Araya, J. E.; Araya, M.; Guerrero, M. A.	2010	Effects of some insecticides applied in sublethal concentrations on the survival and longevity of Aphidius ervi (Haliday) (Hymenoptera: Aphidiidae) adults.	Chilean Journal of Agricultural Research (2010), Volume 70, Number 2, pp. 221-227, 38 refs. ISSN: 0718-5820 Published by: Instituto de Investigaciones Agropecuarias, Chillan	⑯b
277	Kerns, D. L.; Baugh, B. A.; Patman, D. R.	2010	Evaluation of insecticides against cotton aphids and lady beetle larvae in cotton, 2009	Arthropod Management Tests (2010), 35, F17	⑯b
278	Muhammetoglu, Ayse; Durmaz, Sercan; Uslu, Birnur.	2010	Evaluation of the Environmental Impact of Pesticides by Application of Three Risk Indicators.	Environ. Forensics, Volume 11, Issue 1-2, Page 179-186, Publication Year 2010	⑨(公表データに基づく評価、新規データ無し)
279	Yamamoto, Kohji; Ichinose, Hirofumi; Aso, Yoichi; Fujii, Hiroshi.	2010	Expression analysis of cytochrome P450s in the silkmoth, Bombyx mori.	Pestic. Biochem. Physiol., Volume 97, Issue 1, Page 1-6, Publication Year 2010	⑯b
280	Alyokhin, Andrei; Makatiani, Jacqueline; Takasu, Keiji	2010	Insecticide odour interference with food-searching behaviour of Microplitis croceipes (Hymenoptera: Braconidae) in a laboratory arena.	Biocontrol Science and Technology, (2010) Vol. 20, No. 3, pp. 317-329. ISSN: 0958-3157. E-ISSN: 1360-0478.	⑯b
281	Meena, N. K. [Reprint Author]; Kanwat, P. M.	2010	Studies on seasonal incidence and relative safety of pesticides against coccinellid beetles in okra ecosystem.	Journal of Biological Control, (JUN 2010) Vol. 24, No. 2, pp. 116-122. ISSN: 0971-930X. E-ISSN: 0970-5732.	⑯b
282	Naveed, Muhammad; Salam, Abdus; Saleem, Mushtaq Ahmad; Rafiq, Muhammad; Hamza, Amir	2010	Toxicity of thiamethoxam and imidacloprid as seed treatments to parasitoids associated to control Bemisia tabaci	Pakistan Journal of Zoology (2010), 42(5), 559-565	⑯b
283	Eisenback, Brian M.; Salom, Scott M.; Kok, Loke T.; Lagalante, Anthony F.	2010	Lethal and sublethal effects of imidacloprid on hemlock woolly adelgid (Hemiptera: Adelgidae) and two introduced predator species.	J. Econ. Entomol., Volume 103, Issue 4, Page 1222-1234, Publication Year 2010	⑯b
284	Kumar, B. V.; Boomathi, N.; Kumaran, N.; Kuttalam, S.	2010	Non target effect of ethiprole+imidacloprid 80 WG on predators of rice planthoppers.	Madras Agricultural Journal (2010), Volume 97, Number 4/6, pp. 153-156, 22 refs. ISSN: 0024-9602 Published by: Tamilnadu Agricultural University, Coimbatore	⑭ ⑯b
285	Dittbrenner, Nils; Triebskorn, Rita; Moser, Isabelle; Capowiez, Yvan	2010	Physiological and behavioural effects of imidacloprid on two ecologically relevant earthworm species (Lumbricus terrestris and Aporrectodea caliginosa)	Ecotoxicology (2010), 19(8), 1567-1573	⑯b
286	Preetha, G.; Stanley, J.; Suresh, S.; Samiyappan, R.	2010	Risk assessment of insecticides used in rice on miridbug, Cyrtorhinus lividipennis Reuter, the important predator of brown planthopper, Nilaparvata lugens (Stal.).	Chemosphere, Volume 80, Issue 5, Page 498-503, Publication Year 2010	⑯b

287	Azevedo-Pereira, H. M. V. S.; Lemos, M. F. L.; Soares, A. M. V. M.	2011	Effects of imidacloprid exposure on Chironomus riparius Meigen larvae: Linking acetylcholinesterase activity to behaviour.	Ecotoxicol. Environ. Saf., Volume 74, Issue 5, Page 1210-1215, Publication Year 2011	⑭
288	Prabhaker, Nilima; Castle, Steven J.; Naranjo, Steven E.; Toscano, Nick C.; Morse, Joseph G.	2011	Compatibility of two systemic neonicotinoids, imidacloprid and thiamethoxam, with various natural enemies of agricultural pests	Journal of Economic Entomology (2011), 104(3), 773-781	⑯b
289	Cresswell, James E. (Reprint)	2011	A meta-analysis of experiments testing the effects of a neonicotinoid insecticide (imidacloprid) on honey bees	ECOTOXICOLOGY, (JAN 2011) Vol. 20, No. 1, pp. 149-157. ISSN: 0963-9292.	⑮
290	Saber, Moosa (Reprint)	2011	Acute and population level toxicity of imidacloprid and fenpyroximate on an important egg parasitoid, Trichogramma cacoeciae (Hymenoptera: Trichogrammatidae)	ECOTOXICOLOGY, (AUG 2011) Vol. 20, No. 6, pp. 1476-1484. ISSN: 0963-9292.	⑯b
291	Liu, Qinghao; Liu, Xintao; Ni, Yunxia; Liu, Hongyan; Zhang, Yujun	2011	Dynamics of imidacloprid residues in honeysuckles and soils	Zhiwu Baohu (2011), 37(1), 90-92	⑲
292	Puglis, Holly J.; Boone, Michelle D.	2011	Effects of Technical-Grade Active Ingredient vs. Commercial Formulation of Seven Pesticides in the Presence or Absence of UV Radiation on Survival of Green Frog Tadpoles	Archives of Environmental Contamination and Toxicology (2011), 60(1), 145-155	⑯b
293	Schafer, Ralf B.; Pettigrove, Vincent; Rose, Gavin; Allinson, Graeme; Wightwick, Adam; Von Der Ohe, Peter C.; Shimeta, Jeff; Kuhne, Ralph; Kefford, Ben J.	2011	Effects of pesticides monitored with three sampling methods in 24 sites on macroinvertebrates and microorganisms	Environmental Science and Technology (2011), 45(4), 1665-1672	⑱
294	Devee, Anjumoni; Tungkhang, Sidhartha; Baruah, A. A. L. H.; Bhattacharyya, B.	2011	Efficacy of certain insecticides against Lipaphis erysimi (Kalt.) and their relative toxicity against predatory coccinellid beetle	Pesticide Research Journal (2011), 23(2), 140-145	⑯b
295	Aliakbarpour, H.; Salmah, M. R. Che [Reprint Author]; Dzolkhifli, O.	2011	Efficacy of neem oil against thrips (Thysanoptera) on mango panicles and its compatibility with mango pollinators.	Journal of Pest Science, (DEC 2011) Vol. 84, No. 4, pp. 503-512. ISSN: 1612-4758. E-ISSN: 1612-4766.	⑯b
296	Al-Kherb, Wafaa A.	2011	Field efficacy of some neonicotinoid insecticides on whitefly Bemicia tabaci (Homoptera: Aleyrodidae) and its natural enemies in cucumber and tomato plants in Al-qassim region, KSA	Journal of Entomology (2011), 8(5), 429-439	⑯b
297	Gerhardt, Almut	2011	GamTox: a low-cost multimetric ecotoxicity test with Gammarus spp. for in and ex situ application	International Journal of Zoology (2011) 574536, 7 pp.	⑱
298	Nalini, T.; Manickavasagam, S.	2011	Toxicity of selected insecticides to mealybug parasitoids, Aenasius bambawalei Hayat and Aenasius advena Compere (Hymenoptera: Encyrtidae).	Journal of Biological Control, (MAR 2011) Vol. 25, No. 1, pp. 14-17. ISSN: 0971-930X. E-ISSN: 0970-5732.	⑯b
299	Guy, Martha; Singh, Lucina; Mineau, Pierre.	2011	Using field data to assess the effects of pesticides on crustacea in freshwater aquatic ecosystems and verifying the level of protection provided by water quality guidelines.	Integr. Environ. Assess. Manage., Volume 7, Issue 3, Page 426-436, Publication Year 2011	⑨
300	Adan, Angeles; Vinuela, Elisa; Bengochea, Paloma; Budia, Flor; Del Estal, Pedro; Aguado, Pedro; Medina, Pilar	2011	Lethal and sublethal toxicity of fipronil and imidacloprid on Psyttalia concolor (Hymenoptera: Braconidae)	Journal of Economic Entomology (2011), 104(5), 1541-1549	⑯b

301	Zabar, Romina; Dolenc, Darko; Jerman, Tina; Franko, Mladen; Trebse, Polonca.	2011	Photolytic and photocatalytic degradation of 6-chloronicotinic acid.	Chemosphere, Volume 85, Issue 5, Page 861-868, Publication Year 2011	⑱
302	Fernandez-Gomez, Manuel J.; Nogales, Rogelio; Insam, Heribert; Romero, Esperanza; Goberna, Marta.	2011	Role of vermicompost chemical composition, microbial functional diversity, and fungal community structure in their microbial respiratory response to three pesticides.	Bioresour. Technol., Volume 102, Issue 20, Page 9638-9645, Publication Year 2011	⑯b
303	Dittbrenner, Nils; Schmitt, Hannah; Capowiez, Yvan; Triebskorn, Rita.	2011	Sensitivity of Eisenia fetida in comparison to Aporrectodea caliginosa and Lumbricus terrestris after imidacloprid exposure. Body mass change and histopathology.	J. Soils Sediments, Volume 11, Issue 6, Page 1000-1010, Publication Year 2011	⑯b
304	Ahemad, Munees; Khan, Mohammad Saghir	2011	Ecotoxicological assessment of pesticides towards the plant growth promoting activities of Lentil (Lens esculentus)-specific Rhizobium sp. strain MRL3	Ecotoxicology (2011), 20(4), 661-669	⑯b
305	Mohr, Silvia; Berghahn, Ruediger; Schmiediche, Ronny; Huebner, Verena; Loth, Stefan; Feibicke, Michael; Mailahn, Wolfgang; Wogram, Joern.	2012	Macroinvertebrate community response to repeated short-term pulses of the insecticide imidacloprid.	Aquat. Toxicol., Volume 110-111, Page 25-36, Publication Year 2012	メソコスムスでユスリカ等に対する影響がみられているが、日本の評価に直接的に用いられるエンドポイントは得られていない。
306	Akbar, Saleem; Freed, Shoaib; Hameed, Asifa; Gul, Hafiza Tahira; Akmal, Muhammad; Malik, Muhammad Naeem; Naeem, Muhammad; Bismillah Khan, Muhammad	2012	Compatibility of Metarhizium anisopliae with different insecticides and fungicides	African Journal of Microbiology Research (2012), 6(17), 3956-3962	⑯b
307	Singh, V. P.; Seweta Srivastava; Shrivastava, S. K.; Singh, H. B.; Srivastava, S.	2012	Compatibility of different insecticides with Trichoderma harzianum under in vitro condition.	Plant Pathology Journal (Faisalabad) (2012) Volume 11, Number 2, pp. 73-76, 17 refs. ISSN: 1812-5387 DOI: 10.3923/ppj.2012.73.76 Published by: Asian Network for Scientific Information, Faisalabad	⑯b
308	Kennedy, Karen; Devlin, Michelle; Bentley, Christie; Lee-Chue, Kristie; Paxman, Chris; Carter, Steve; Lewis, Stephen E.; Brodie, Jon; Guy, Ellia; Vardy, Suzanne; Martin, Katherine C.; Jones, Alison; Packett, Robert; Mueller, Jochen F.	2012	The influence of a season of extreme wet weather events on exposure of the World Heritage Area Great Barrier Reef to pesticides	Marine Pollution Bulletin (2012), 64(7), 1495-1507	⑱
309	Baylay, A. J.; Spurgeon, D. J.; Svendsen, C.; Griffin, J. L.; Swain, Suresh C.; Sturzenbaum, Stephen R.; Jones, O. A. H.	2012	A metabolomics based test of independent action and concentration addition using the earthworm Lumbricus rubellus	Ecotoxicology (2012), 21(5), 1436-1447	⑯b
310	Gerhardt, Almut; Koster, Margie; Lang, Frank; Leib, Vera.	2012	Active in situ biomonitoring of pesticide pulses using Gammarus spp. in small tributaries of lake Constance.	J. Environ. Prot., Volume 3, Issue 7, Page 573-583, Publication Year 2012	⑰
311	Wang, Yanhua; Yu, Ruixian; Zhao, Xueping; An, Xuehua; Chen, Liping; Wu, Changxing; Wang, Qiang	2012	Acute toxicity and safety evaluation of neonicotinoids and macrocyclic loctones to adult wasps of four Trichogramma species (Hymenoptera:Trichogrammidae)	Kunchong Xuebao (2012), 55(1), 36-45	⑯b
312	Zhang, Yi; Mu, Jun; Han, Jinyuan; Gu, Xiaojie.	2012	An improved brine shrimp larvae lethality microwell test method.	Toxicol. Mech. Methods, Volume 22, Issue 1, Page 23-30, Publication Year 2012	⑯b

313	Zhao, Xueping; Wu, Changxing; Wang, Yanhua; Cang, Tao; Chen, Liping; Yu, Ruixian; Wang, Qiang	2012	Assessment of toxicity risk of insecticides used in rice ecosystem on Trichogramma japonicum, and egg parasitoid of rice lepidopterans	Journal of Economic Entomology (2012), 105(1), 92-101	⑯b
314	Sarao, P. S.; Mahal, M. S.	2012	Diversity of natural enemy under different insecticide regimes in irrigated rice production system of Punjab, India	Cereal Research Communications (2012), 40(2), 256-266	⑯b
315	Bundschuh, Rebecca; Schmitz, Juliane; Bundschuh, Mirco; Bruhl, Carsten Albrecht.	2012	Does insecticide drift adversely affect grasshoppers (Orthoptera: Saltatoria) in field margins? A case study combining laboratory acute toxicity testing with field monitoring data.	Environ. Toxicol. Chem., Volume 31, Issue 8, Page 1874-1879, Publication Year 2012	⑯b
316	Abd-Allah, Salwa M.; Goud, Neama A.; Talha, Madiha M.	2012	Ecological hazards of some pesticides on unicellular freshwater green alga; Pseudokirchneriella subcapitata	Alexandria Science Exchange Journal (2012), 33(1), 18-25	⑭
317	Seagraves, Michael P.; Lundgren, Jonathan G.	2012	Effects of neonicotinoid seed treatments on soybean aphid and its natural enemies.	Journal of Pest Science, (MAR 2012) Vol. 85, No. 1, pp. 125-132. ISSN: 1612-4758. E-ISSN: 1612-4766.	⑯b
318	Kunimoto, Y.; Izumoto, H.; Hozumi, H.; Sakai, T.; Yashiki, K.; Yano, E.	2012	Effects of pesticides on Neoseiulus womersleyi populations collected from wild vegetation surrounding chrysanthemum fields in Nara Prefecture.	Annual Report of the Kansai Plant Protection Society (2012), Number 54, pp. 13-16, 14 refs. ISSN: 0387-1002 Published by: Kansai Plant Protection Society, Ano	⑯b
319	Hoseini, S. A.; Pourmirza, A. A.; Ebadollahi, A.; Jahromi, M. Ghane	2012	Impacts of two conventional insecticides on different stages of Encarsia inaron Walker parasitizing the whitefly, Trialeurodes vaporariorum Westwood under greenhouse condition	Archives of Phytopathology and Plant Protection (2012), 45(3), 268-275	⑯b
320	Schumacher, Verona; Poehling, Hans-Michael.	2012	In vitro effect of pesticides on the germination, vegetative growth, and conidial production of two strains of Metarhizium anisopliae.	Fungal Biol., Volume 116, Issue 1, Page 121-132, Publication Year 2012	⑯b
321	Ningthoujam, K.; Kumar, M. G.	2012	Influence of insecticides on mango hoppers and spiders in mango orchard.	Annals of Plant Protection Sciences (2012), Volume 20, Number 2, pp. 341-343, 9 refs. ISSN: 0971-3573 Published by: Society of Plant Protection Sciences, New Delhi	⑯b
322	Wang, Yanhua; Chen, Liping; Yu, Ruixian; Zhao, Xueping; Wu, Changxing; Cang, Tao; Wang, Qiang	2012	Insecticide toxic effects on Trichogramma ostriniae (Hymenoptera: Trichogrammatidae)	Pest Management Science (2012), 68(12), 1564-1571	⑯b
323	Wang, Yanhua; Yu, Ruixian; Zhao, Xueping; Chen, Liping; Wu, Changxing; Cang, Tao; Wang, Qiang	2012	Susceptibility of adult Trichogramma nubilale (Hymenoptera: Trichogrammatidae) to selected insecticides with different modes of action	Crop Protection (2012), 34, 76-82	⑯b
324	Dang Hoa Tran; Ueno, Takatoshi	2012	Toxicity of Insecticides to Neochrysocharis okazakii, a Parasitoid Liriomyza Leafminers on Vegetables.	Journal of the Faculty of Agriculture Kyushu University, (FEB 2012) Vol. 57, No. 1, pp. 127-131.	⑯b
325	Muhammad Anwar Khan; Ahmad-Ur-Rahman Saljoqi; Khan, I. A.; Qamar Zeb; Muhammad Sajid; Manzoor Mishwani; Saeed Khan; Sana Zeb; Shah, S. F.; Muhammad Saleem; Zell-E-Huma; Awan, H. U.	2012	Toxicity of foliar insecticides to ladybird beetle predator of green peach aphid, Myzus persicae (Sulzer) on potato varieties.	Sarhad Journal of Agriculture (2012), Volume 28, Number 2, pp. 283-290 ISSN: 1016-4383 Published by: Agricultural University Peshawar, Peshawar	⑯b

326	Liu, Tong-Xian; Zhang, Yong-Mei; Peng, Li-Nian; Rojas, Patricia; Trumble, John T.	2012	Risk assessment of selected insecticides on Tamarixia triozae (Hymenoptera: Eulophidae), a parasitoid of Bactericera cockerelli (Hemiptera: Trizoidae)	Journal of Economic Entomology (2012), 105(2), 490-496	⑯b
327	Kheradmand, K.; Khosravian, M.; Shahrokhi, S.	2012	Side effect of four insecticides on demographic statistics of aphid parasitoid, Diaeretiella rapae (McIntosh) (Hym., Braconidae).	Ann. Biol. Res., Volume 3, Issue 7, Page 3340-3345, Publication Year 2012	⑯b
328	Stokstad Erik	2012	Agriculture. Field research on bees raises concern about low-dose pesticides.	Science (New York, N.Y.), (2012 Mar 30) Vol. 335, No. 6076, pp. 1555.	⑧
329	Anindita Bhattacharya; Sahu, S. K.; Bhattacharya, A.	2013	A comparative study of the effect of imdacloprid and dimethoate on soil enzyme.	International Journal of Biosciences (IJB) (2013), Volume 3, Number 11, pp. 172-182 ISSN: 2220-6655 Published by: Shamokal Publications, Dhaka	⑯b
330	Boettger, R.; Feibicke, M.; Schaller, J.; Dudel, G.	2013	Effects of low-dosed imidacloprid pulses on the functional role of the caged amphipod Gammarus roeseli in stream mesocosms.	Ecotoxicol. Environ. Saf., Volume 93, Page 93-100, Publication Year 2013	メソコスムスで低濃度暴露によるヨコエビへの影響を調べている。試験方法はテストガイドラインと異なるため、参考データ。
331	Finley, Megan A.; Courtenay, Simon C.; Teather, Kevin L.; Hewitt, L. Mark; Holdway, D. A.; Hogan, Natacha S.; Van Den Heuvel, Michael R.	2013	Evaluating cumulative effects of anthropogenic inputs in Prince Edward Island estuaries using the mummichog (Fundulus heteroclitus)	Integrated Environmental Assessment and Management (2013), 9(3), 496-507	海外モニタリングであり、日本における評価に利用できない。
332	Jinguji, H.; Dang Quoc Thuyet; Ueda, T.; Watanabe, H.	2013	Effect of imidacloprid and fipronil pesticide application on Sympetrum infuscatum (Libellulidae: Odonata) larvae and adults.	Paddy and Water Environment (2013), Volume 11, Number 1/4, pp. 277-284, 36 refs. ISSN: 1611-2490 Published by: Springer, Dordrecht	⑯b
333	Colombo, Valentina; Mohr, Silvia; Berghahn, Rudiger; Pettigrove, Vincent J.	2013	Structural Changes in a Macrozoobenthos Assemblage After Imidacloprid Pulses in Aquatic Field-Based Microcosms	Archives of Environmental Contamination and Toxicology (2013), 65(4), 683-692	⑱
334	Phugare, Swapnil S.; Kalyani, Dayanand C.; Gaikwad, Yogesh B.; Jadhav, Jyoti P.	2013	Microbial degradation of imidacloprid and toxicological analysis of its biodegradation metabolites in silkworm (Bombyx mori)	Chemical Engineering Journal (Amsterdam, Netherlands) (2013), 230, 27-35	⑱
335	Mincea, C.; Pasareanu, A.; Hera, E.	2013	The impact of imidaclopride, designed for seeds treatment towards the Japanese quail (Coturnix coturnix japonica).	Romanian Journal for Plant Protection (2013), Volume 6, pp. 55-62, 6 refs. Published by: Research Development Institute for Plant Protection, Bucharest	⑯d
336	Choate, Beth; Drummond, Francis A.	2013	The influence of insecticides and vegetation in structuring Formica mound ant communities (Hymenoptera: formicidae) in Maine lowbush blueberry	Journal of Economic Entomology (2013), 106(2), 716-726	⑯b
337	Liang, H. C. [Reprint Author]; Razaviarani, Vahid; Buchanan, Ian	2013	Pesticides and Herbicides.	Water Environment Research, (2013) Vol. 85, No. 10, pp. 1601-1644. ISSN: 1061-4303. E-ISSN: 1554-7531.	⑧
338	Carlson, Jules C.; Anderson, Julie C.; Low, Jennifer E.; Cardinal, Pascal; Mackenzie, Scott D.; Beattie, Sarah A.; Challis, Jonathan K.; Bennett, Renee J.; Meronek, Stephanie S.; Wilks, Rebecca P. A.; Buhay, William M.; Wong, Charles S.; Hanson, Mark L.	2013	Presence and hazards of nutrients and emerging organic micropollutants from sewage lagoon discharges into Dead Horse Creek, Manitoba, Canada.	Sci. Total Environ., Volume 445-446, Page 64-78, Publication Year 2013	⑱

339	Atwa, A. A.; Shamseldean, M. M.; Yonis, F. A.	2013	The effect of different pesticides on reproduction of entomopathogenic nematodes.	Tuerkiye Entomoloji Dergisi (2013), Volume 37, Number 4, pp. 493-502, 31 refs. ISSN: 1010-6960 Published by: Tuerkiye Entomoloji Dernegi, Bornova	⑯b
340	Awasthi, Nikita S.; Barkhade, U. P.; Patil, S. R.; Lande, G. K.	2013	Comparative toxicity of some commonly used insecticides to cotton aphid and their safety to predatory coccinellids	Bioscan (2013), 8(3, Suppl.), 1007-1010	⑯b
341	Hayasaka, Daisuke; Suzuki, Kazutaka; Nomura, Takuji; Nishiyama, Mio; Nagai, Takashi; Sanchez-Bayo, Francisco; Goka, Koichi.	2013	Comparison of acute toxicity of two neonicotinoid insecticides, imidacloprid and clothianidin, to five cladoceran species.	J. Pestic. Sci. (Tokyo, Jpn.), Volume 38, Issue 1, Page 44-47, Publication Year 2013	イミダクロプリドに関しては、新規のデータが得られていない。
342	Papchenkova, G. A.; Makrushin, A. V.	2013	Effect of the insecticide TanrecA (R) on reproduction and vital activity of Daphnia magna Straus in a 15-day test.	Inland Water Biology, (OCT 2013) Vol. 6, No. 4, pp. 344-350. ISSN: 1995-0829. E-ISSN: 1995-0837.	⑭
343	Dai, Ping-Li; Zhou, Ting; Wang, Qiang; Wu, Yan-Yan; Geng, Wen-Long; Song, Huai-Lei	2013	Effects of imidacloprid on learning performance of Apis mellifera ligustica	Nongyao (2013), 52(7), 512-514	⑲
344	Agatz, Annika; Brown, Colin D.	2013	Evidence for Links between Feeding Inhibition, Population Characteristics, and Sensitivity to Acute Toxicity for Daphnia magna.	Environ. Sci. Technol., Volume 47, Issue 16, Page 9461-9469, Publication Year 2013	⑱
345	Yumnam Devashree; Dutta, B. K.; Paul, S. B.; Sudip Choudhury; Devashree, Y.; Choudhury, S.	2013	Impact of some pesticides on the population of soil microorganisms .	Journal of Mycopathological Research (2013), Volume 51, Number 2, pp. 335-338, 13 refs. ISSN: 0971-3719 Published by: Indian Mycological Society, Kolkata	⑯b
346	El-Zahi, El-Zahi S.; Abd-Elhady, Hany K.	2013	Insect predators and control of Aphis gossypii comparing to certain insecticides under caged-cotton plants conditions	Pakistan Journal of Biological Sciences (2013), 16(5), 233-238	⑯b
347	Shankarganesh, K.; Paul, Bishwajeet; Gautam, R. D.	2013	Studies on Ecological Safety of Insecticides to Egg Parasitoids , Trichogramma chilonis Ishii and Trichogramma brasiliensis (Ashmead)	National Academy Science Letters (India) (2013), 36(6), 581-585	⑯b
348	Wang, Yanhua; Chen, Liping; An, Xuehua; Jiang, Jinhua; Wang, Qiang; Cai, Leiming; Zhao, Xueping	2013	Susceptibility to selected insecticides and risk assessment in the insect egg parasitoid Trichogramma confusum (Hymenoptera: Trichogrammatidae)	Journal of Economic Entomology (2013), 106(1), 142-149	⑯b
349	Alexander, Anjitha; Krishnamoorthy, S. V.; Kuttalam, S.	2013	Toxicity of insecticides to the coccinellid predators, Cryptolaemus montrouzieri Mulsant and Scymnus coccivora Ayyar of papaya mealybug, Paracoccus marginatus Williams and Granara de Willink.	Journal of Biological Control, (MAR 2013) Vol. 27, No. 1, pp. 18-23. ISSN: 0971-930X. E-ISSN: 0970-5732.	⑯b
350	Yamamoto, Kohji; Ichinose, Hirofumi; Aso, Yoichi; Udono, Miyako; Katakura, Yoshinori	2013	Upregulation of cytochrome P450s following exposure of the silkmoth, Bombyx mori to insecticides	Journal of Insect Biotechnology and Sericology (2013), 82(2), 33-38	⑯b
351	Lambert, Olivier (Correspondence); Piroux, Melanie; Puyo, Sophie; Lhostis, Monique; Pouliquen, Herve	2013	Widespread Occurrence of Chemical Residues in Beehive Matrices from Apiaries Located in Different Landscapes of Western France.	PLoS ONE, (17 Jun 2013) Vol. 8, No. 6. arn. e67007. Refs: 65 E-ISSN: 1932-6203	⑰
352	Ayubi, Aida; Moravvej, Gholamhossein; Karimi, Javad; Jooyandeh, Ali	2013	Lethal effects of four insecticides on immature stages of Chrysoperla carneo (Stephens) (Neuroptera: Chrysopidae) in laboratory conditions.	Turkiye Entomoloji Dergisi, (DEC 2013) Vol. 37, No. 4, pp. 399-407. ISSN: 1010-6960.	⑯b

353	Ekta, S. S.; Jadeja, D. B.; Sushil Kumar; Kumar, S.	2013	Management of gall wasp, Leptocybe invasa (Fisher and Salle) in eucalyptus under nursery condition.	Journal of Applied Zoological Researches (2013), Volume 24, Number 1, pp. 87-96, 25 refs. ISSN: 0970-9304 Published by: Applied Zoologists Research Association, Bhubaneswar	⑯b
354	Pandi, G. G. P.; Bishwajeet Paul; Shah Vivek; Shankarganesh, K.; Paul, B.; Vivek, S.	2013	Relative toxicity of insecticides against coccinellid beetle, Cheilomenes sexmaculata (Fabricius).	Annals of Plant Protection Sciences (2013), Volume 21, Number 1, pp. 17-20, 6 refs. ISSN: 0971-3573 Published by: Society of Plant Protection Sciences, New Delhi	⑯b
355	Mahdavi, V.	2013	Residual toxicity of some pesticides on the larval ectoparasitoid, Habrobracon hebetor say (Hymenoptera: Braconidae).	Journal of Plant Protection Research (2013) Volume 53, Number 1, pp. 27-31, 29 refs. ISSN: 1427-4345 Published by: Versita, Warsaw	⑯b
356	Chen, Xiaofeng; Song, Min; Qi, Suzhen; Wang, Chengju.	2013	Safety evaluation of eleven insecticides to Trichogramma nubilale (Hymenoptera: Trichogrammatidae).	J. Econ. Entomol., Volume 106, Issue 1, Page 136-141, Publication Year 2013	⑯b
357	Halappa, B.; Awaknavar, J. S.; Archana, D.	2013	Safety evaluation of few insecticides against green lace wing, Chrysoperla carnea (Stephens) (Neuroptera: Chrysopidae) under laboratory condition.	J. Entomol. Res., Volume 37, Issue 1, Page 73-77, Publication Year 2013	⑯b
358	Sanchez-Bayo, Francisco [Reprint Author]; Goka, Koichi	2014	Pesticide Residues and Bees - A Risk Assessment .	PLoS One, (APR 9 2014) Vol. 9, No. 4. ISSN: 1932-6203. E-ISSN: 1932-6203.	⑨(公表データに基づく評価、新規データ無し)
359	Goulson Dave	2014	Ecology: Pesticides linked to bird declines.	Nature, (2014 Jul 17) Vol. 511, No. 7509, pp. 295-6. Electronic Publication Date: 9 Jul 2014	⑧
360	Agatz, Annika; Ashauer, Roman; Brown, Colin D.	2014	Imidacloprid perturbs feeding of Gammarus pulex at environmentally relevant concentrations	Environmental Toxicology and Chemistry (2014), 33(3), 648-653	報告されたエンドポイントが影響濃度(EC)であり、LCは求められていない。給餌されており、試験系が均一溶液系ではない。
361	Duso, Carlo; Ahmad, Shakeel; Tirello, Paola; Pozzebon, Alberto; Klaric, Virna; Baldessari, Mario; Malagnini, Valeria; Angeli, Gino	2014	The impact of insecticides applied in apple orchards on the predatory mite Kampimodromus aberrans (Acari: Phytoseiidae)	Experimental and Applied Acarology (2014), 62(3), 391-414	⑯b
362	Niell, Silvina; Cesio, Veronica; Hepperle, Julia; Doerk, Daniela; Kirsch, Larissa; Kolberg, Diana; Scherbaum, Ellen; Anastassiades, Michelangelo; Heinzen, Horacio	2014	QuEChERS-Based Method for the Multiresidue Analysis of Pesticides in Beeswax by LC-MS/MS and GC.times.GC-TOF	Journal of Agricultural and Food Chemistry (2014), 62(17), 3675-3683	⑤
363	Johnson, J. D.; Pettis, J. S.	2014	A Survey of Imidacloprid Levels in Water Sources Potentially Frequented by Honeybees (Apis mellifera) in the Eastern USA	Water, Air, and Soil Pollution (2014), 225(11), 1-6	⑰
364	Poquet, Yannick; Bodin, Laurent; Tchamitchian, Marc; Fusellier, Marion; Giroud, Barbara; Lafay, Florent; Bulete, Audrey; Tchamitchian, Sylvie; Cousin, Marianne; Pelissier, Michel; Brunet, Jean-Luc; Belzunces, Luc P.	2014	A pragmatic approach to assess the exposure of the honey bee (Apis mellifera) when subjected to pesticide spray	PLoS One (2014), 9(11), e113728/1-e113728/12, 12 pp.	⑱
365	Gibbons, David; Morrissey, Christy; Mineau, Pierre	2014	Effects of neonicotinoids and fipronil on non-target invertebrates	Environmental Science and Pollution Research (2014) Ahead of Print	⑨(公表データの評価、新規データ無し)

366	Ihara, Makoto; Shimazu, Naoya; Utsunomiya, Mai; Akamatsu, Miki; Sattelle, David B.; Matsud, Kazuhiko [Reprint Author]	2014	A single amino acid polymorphism in the Drosophila melanogaster D alpha 1 (ALS) subunit enhances neonicotinoid efficacy at D alpha 1-chicken beta 2 hybrid nicotinic acetylcholine receptor expressed in Xenopus laevis oocytes.	Bioscience Biotechnology and Biochemistry, (APR 2014) Vol. 78, No. 4, pp. 543-549. ISSN: 0916-8451. E-ISSN: 1347-6947.	④
367	Pavlaki, Maria D.; Ferreira, Abel L. G.; Soares, Amadeu M. V. M.; Loureiro, Susana	2014	Changes of chemical chronic toxicity to Daphnia magna under different food regimes	Ecotoxicology and Environmental Safety (2014), 109, 48-55	⑱
368	Sasidhar Babu, N.; Anand Kumar, A.; Ananda Reddy, P.; Sravanthi, M.; Manasa, V.; Hemanth, I.; Amaravathi, P.; Mouli Krishna, K.; Rambabu Naik, D.	2014	Clinico-physiological, haemato-biochemical changes induced by imidacloprid long term experimental feeding in layer birds and amelioration with vitamin C and Withania somnifera	Inventi Impact: Ethnopharmacology (2014), (4), 125-128, 4 pp.	⑱(ニワトリに90日間にわたり混餌投与)
369	Ahmed, S.; Nisar, M. S.; Shakir, M. M.; Imran, M.; Iqbal, K.	2014	Comparative efficacy of some neonicotinoids and traditional insecticides on sucking insect pests and their natural enemies on Bt-121 cotton crop	Journal of Animal and Plant Sciences (2014), 24(2), 660-663, 4 pp.	⑯b
370	Hoi, Kin Kuan; Daborn, Phillip J.; Battlay, Paul; Robin, Charles; Batterham, Philip; Ohair, Richard A. J.; Donald, William A.	2014	Dissecting the Insect Metabolic Machinery Using Twin Ion Mass Spectrometry: A Single P450 Enzyme Metabolizing the Insecticide Imidacloprid in Vivo	Analytical Chemistry (Washington, DC, United States) (2014), 86(7), 3525-3532	⑯b
371	Jin, Yongling; Wang, Liyan	2014	Effect of insecticide stress to dominant species spider in cold rice field	Dongbei Nongye Daxue Xuebao (2014), 45(10), 15-20	⑲
372	Broughton, Sonya; Harrison, Jessica; Rahman, Touhidur	2014	Effect of new and old pesticides on Orius armatus (Gross)-an Australian predator of western flower thrips, Frankliniella occidentalis (Pergande)	Pest Management Science (2014), 70(3), 389-397	⑯b
373	Gaikwad, B. B.; Shetgar, S. S.; Sonkamble, M. M.; Bhosle, A. B.; Shinde, S. T.	2014	Efficacy of different insecticides against population of lady bird beetle on safflower.	Journal of Entomological Research, (JUN 2014) Vol. 38, No. 2, pp. 129-130.	⑯b
374	Van Meter, Robin J.; Glinski, Donna A.; Hong, Tao; Cyterski, Mike; Henderson, W. Matthew; Purucker, S. Thomas	2014	Estimating terrestrial amphibian pesticide body burden through dermal exposure	Environmental Pollution (Oxford, United Kingdom) (2014), 193, 262-268	⑯b
375	Lopez-Antia, Ana; Ortiz-Santaliestra, Manuel E.; Mateo, Rafael	2014	Experimental approaches to test pesticide-treated seed avoidance by birds under a simulated diversification of food sources	Science of the Total Environment (2014), 496, 179-187	⑭ ⑱
376	Smaili, Moulay Chrif; El Ghadraoui, Lahcen; Gaboun, Fatima; Benkirane, Rachid; Blenzar, Abdelali	2014	Impact of some alternative methods to chemical control in controlling aphids (Hemiptera: Sternorrhyncha) and their side effects on natural enemies on young Moroccan citrus groves	Phytoparasitica (2014) Ahead of Print	⑯b
377	Saravanan, L.; Kalidas, P.; Phanikumar, T.; Praveena Deepthi; Babu, K. R.; Deepthi, P.	2014	In vitro compatibility of Trichoderma viride with agrochemicals.	Annals of Plant Protection Sciences (2014) , Volume 22, Number 1, pp. 224-226, 4 refs. ISSN: 0971-3573 Published by: Society of Plant Protection Sciences, New Delhi	⑯b
378	Golmohammadi, G.; Hejazi, M.	2014	Toxicity and side effects of three insecticides on adult Chrysoperla carnea (Neu.: Chrysopidae) under laboratory conditions.	Journal of Entomological Society of Iran (2014) , Volume 33, Number 4, pp. 23-28, 26 refs. ISSN: 0259-9996 Published by: Entomological Society of Iran, Tehran	⑯b
379	Wang, Yanhua; Wu, Changxing; Cang, Tao; Yang, Lizhi; Yu, Weihua; Zhao, Xueping; Wang, Qiang; Cai, Leiming	2014	Toxicity risk of insecticides to the insect egg parasitoid Trichogramma evanescens Westwood (Hymenoptera: Trichogrammatidae)	Pest Management Science (2014), 70(3), 398-404	⑯b

380	Syed Ruhma; Manzoor Farkhanda; Adalat Rooma; Abdul-Sattar Abida; Syed Azka	2014	Laboratory Evaluation of Toxicity of Insecticide Formulations from Different Classes against American Cockroach (Dictyoptera: Blattidae).	Journal of arthropod-borne diseases, (2014) Vol. 8, No. 1, pp. 21-34. Electronic Publication Date: 18 Dec 2013	⑰
381	Sivparsad, B. J.; Chiuraise, N.; Laing, M. D.; Morris, M. J.	2014	Negative effect of three commonly used seed treatment chemicals on biocontrol fungus Trichoderma harzianum.	African Journal of Agricultural Research (2014) , Volume 9, Number 33, pp. 2588-2592, 29 refs. ISSN: 1991-637X Published by: Academic Journals, Nairobi	⑯b
382	Zein, Maya A.; Mcelmurry, Shawn P.; Kashian, Donna R.; Savolainen, Peter T.; Pitts, David K.	2014	Optical bioassay for measuring sublethal toxicity of insecticides in Daphnia pulex	Environmental Toxicology and Chemistry (2014), 33(1), 144-151	⑱(ミジンコの移動を光学的に定量する試験法の開発)
383	Alves, Paulo Roger L.; Cardoso, Elke J. B. N.; Martines, Alexandre M.; Sousa, Jose Paulo; Pasini, Amarildo	2014	Seed dressing pesticides on springtails in two ecotoxicological laboratory tests	Ecotoxicology and Environmental Safety (2014), 105, 65-71	⑯b
384	Fiedler, Zaneta; Sosnowska, Danuta	2014	Side effects of fungicides and insecticides on predatory mites, in laboratory conditions	Journal of Plant Protection Research (2014), 54(4), 349-353	⑯b
385	Simon-Delso, N.; Amaral-Rogers, V.; Belzunces, L. P.; Bonmatin, J. M.; Chagnon, M.; Downs, C.; Furlan, L.; Gibbons, D. W.; Giorio, C.; Girolami, V.; Goulson, D.; Kreutzweiser, D. P.; Krupke, C. H.; Liess, M.; Long, E.; Mcfield, M.; Mineau, P.; Mitchell, E	2014	Systemic insecticides (neonicotinoids and fipronil): trends, uses, mode of action and metabolites	Environmental Science and Pollution Research (2014) Ahead of Print	⑧
386	Stewart, Scott D.; Lorenz, Gus M.; Catchot, Angus L.; Gore, Jeff; Cook, Don; Skinner, John; Mueller, Thomas C.; Johnson, Donald R.; Zawislak, Jon; Barber, Jonathan	2014	Potential Exposure of Pollinators to Neonicotinoid Insecticides from the Use of Insecticide Seed Treatments in the Mid-Southern United States	Environmental Science and Technology (2014), 48(16), 9762-9769	⑰
387	Ravindra Vidhate; Jyoti Singh; Vandana Ghormade; Chavan, S. B.; Amar Patil; Deshpande, M. V.; Vidhate, R.; Singh, J.; Ghormade, V.; Patil, A.	2015	Use of hydrolytic enzymes of Myrothecium verrucaria and conidia of Metarhizium anisopliae, singly and sequentially to control pest and pathogens in grapes and their compatibility with pesticides used in the field.	Biopesticides International (2015) , Volume 11, Number 1, pp. 48-60, 46 refs. ISSN: 0973-483X Published by: Connect Journals, Ghaziabad	⑱
388	Nadagouda, Sushila; Sreenivas, A. G.; Bheemanna, M.; Hanchinal, S. G.	2015	Management of sucking insect pests of Bt cotton by buprofezin 70 percent DF	Pesticide Research Journal (2015), 27(2), 160-164	④
389	Karthik, P.; Venugopal, Sheela; Datchina Murthy, K.; Lokesh, S.; Karthik, G.; Sharmila, U.; Paramasivam, M.; Senguttuvan, K.; Gunasekaran, K.; Kuttalam, S.	2015	Bioefficacy, phytotoxicity , safety to natural enemies and residue dynamics of imidacloprid 70 WG in okra (Abelmoschus esculenta (L) Moench) under open field conditions	Crop Protection (2015), 71, 88-94	⑯b
390	Painkra, G. P.; Shaw, S. S.	2015	Contact toxicity of commonly used insecticides and new molecules as per recommended dose for crop pests against Indian honey bee, Apis cerana indica fabr. in laboratory condition	Journal of Plant Development Sciences (2015), 7(7), 579-582	⑱
391	Pandey, Surya Prakash; Banalata Mohanty	2015	The neonicotinoid pesticide imidacloprid and the dithiocarbamate fungicide mancozeb disrupt the pituitaryaX80X93thyroid axis of a wildlife bird	Chemosphere (2015), Volume 122, pp. 227-234 ISSN: 0045-6535 Published by: Elsevier Ltd Source Note: 2015 Mar., v. 122	⑱
392	Anon.	2015	Pesticides and Bees: Call for Data	World Food Regulation Review. Vol. 25, no. 1, 15 p. Jun 2015. ISSN: 0963-4894 E-ISSN: 1752-7449 Published by: Research Information Ltd., 222 Maylands Ave. Hemel Hempstead Herts Hp3 8LA United Kingdom	⑧

393	Wu Yan-Yan; Zhou Ting; Wang Qiang; Dai Ping-Li; Xu Shu-Fa; Jia Hui-Ru	2015	Programmed Cell Death in the Honey Bee (Apis mellifera) (Hymenoptera: Apidae) Worker Brain Induced by Imidacloprid .	Journal of economic entomology, (2015 Aug) Vol. 108, No. 4, pp. 1486-94. Electronic Publication Date: 6 Jun 2015	⑱
394	Bro, Elisabeth; Millot, Florian; Decors, Anouk; Devillers, James	2015	Quantification of potential exposure of gray partridge (Perdix perdix) to pesticide active substances in farmlands	Science of the Total Environment (2015), 521-522, 315-325	⑰
395	Van Den Brink Paul J; Van Smeden Jasper M; Bekele Robel S; Dierick Wiebe; De Gelder Daphne; Noteboom Maarten; Roessink Ivo	2015	Acute and chronic toxicity of neonicotinoids to nymphs of a mayfly species and some notes on seasonal differences.	Environmental toxicology and chemistry / SETAC, (2015 Sep 30) . Electronic Publication Date: 30 Sep 2015	⑯b
396	Li, Weidi [Reprint Author]; Zhang, Pengjun; Zhang, Jingming; Lin, Wencai; Lu, Yaobin; Gao, Yulin	2015	Acute and sublethal effects of neonicotinoids and pymetrozine on an important egg parasitoid, Trichogramma ostriniae (Hymenoptera: Trichogrammatidae).	Biocontrol Science and Technology, (FEB 1 2015) Vol. 25, No. 2, pp. 121-131. ISSN: 0958-3157. E-ISSN: 1360-0478.	⑯b
397	Ohta, Izumi; Takeda, Mitsuyoshi	2015	Acute toxicities of 42 pesticides used for green peppers to an aphid parasitoid, Aphidius gifuensis (Hymenoptera: Braconidae), in adult and mummy stages	Applied Entomology and Zoology (2015) Ahead of Print	⑯b
398	Rugno Gabriel Rodrigo; Zanardi Odimar Zanuzo; Yamamoto Pedro Takao	2015	Are the Pupae and Eggs of the Lacewing Ceraeochrysa cubana (Neuroptera: Chrysopidae) Tolerant to Insecticides?.	Journal of economic entomology, (2015 Sep 2) . Electronic Publication Date: 2 Sep 2015	⑯b
399	Martinez, Ana-Mabel; Chavarrieta, Juan-Manuel; Morales, Sinue-Isabel; Caudillo, Kiela-Briseida; Figueroa, Jose-Isaac; Diaz, Ovidio; Bujanos, Rafael; Gomez, Benjamin; Vinuela, Elisa; Pineda, Samuel	2015	Behavior of Tamarixia triozae females (hymenoptera: eulophidae) attacking Bactericera cockerelli (hemiptera: triozidae) and effects of three pesticides on this parasitoid	Environmental Entomology (2015), 44(1), 3-11	⑯b
400	Patil, P. P.; Mohite, P. B.; Chormule, A. J.	2015	Bio-efficacy of insecticides as seed dressers against leaf eating caterpillar, Spodoptera litura (Fab.) infesting soybean.	Annals of Plant Protection Sciences (2015) , Volume 23, Number 1, pp. 9-11, 6 refs. ISSN: 0971-3573 Published by: Society of Plant Protection Sciences, New Delhi	⑯b
401	Cycon Mariusz; Piotrowska-Seget Zofia	2015	Biochemical and microbial soil functioning after application of the insecticide imidacloprid .	Journal of environmental sciences (China), (2015 Jan 1) Vol. 27, pp. 147-58. Electronic Publication Date: 11 Nov 2014	⑱
402	Velki, Mirna; Ecimovic, Sandra	2015	Changes in exposure temperature lead to changes in pesticide toxicity to earthworms: A preliminary study	Environmental Toxicology and Pharmacology (2015), 40(3), 774-784	⑯b
403	Kunce, Warren; Josefsson, Sarah; Oerberg, Jan; Johansson, Frank	2015	Combination effects of pyrethroids and neonicotinoids on development and survival of Chironomus riparius	Ecotoxicology and Environmental Safety (2015), 122, 426-431	⑱
404	Bharani, G. Naga; Kohilambal, H.; Sivasubramanian, P.; Banuprathap, G.	2015	Comparative efficacy of bio pesticides and insecticides against tomato thrips (Thrips tabaci Lind.) and their impact on coccinellid predators	Bioscan (2015), 10(1), 207-210	⑯b
405	Branchini, C. Guanais; Dini, F.; Lundstrom, I.; Paolesse, R.; Di Natale, C.	2015	Detection of Toxic Compounds in Water with an Array of Optical Reporters	Procedia Engineering (2015), 120, 146-149	⑰
406	Singh, N. K.; Agrawal, Neeraj; Mishra, P. K.; Singh, Saurabh	2015	EFFECT OF CHEMICAL INSECTICIDES, BIO-PESTICIDES AND BOTANICALS ON PARASITIZATION AND EMERGENCE OF TRICHOGRAMMA CHILONIS (ISHII) - AN EGG PARASITOID OF LEPIDOPTERAN PESTS.	Journal of Experimental Zoology India, (JAN 2015) Vol. 18, No. 1, pp. 437-440. ISSN: 0972-0030.	⑯b

407	Suguna, K.; Senthilkumar, M.	2015	Effect of common insecticides on the growth of Entomopathogenicfungi, Zoophthora radicans (Brefeld) Batko	International Journal of Advanced Research in Biological Sciences (2015), 2(6), 153-157	⑯b
408	Sohrabi, F.; Amini, E.	2015	Effect of pesticides used in tomato fields of Iran on the egg parasitoid Trichogramma brassicae (Hymenoptera: Trichogrammatidae) under laboratory conditions.	Biological Forum (2015) , Volume 7, Number 2, pp. 975-980, 34 refs. ISSN: 0975-1130 Published by: Research Trend, New Delhi	⑯b
409	Shrivastava, S. K.; Bhowmick, A. K.; Das, S. B.; Wada, T.; Tsuji, K.; Kobayashi, S.	2015	Effect of seed treatments on incidences of insect-pests and spiders on soybean.	Soybean Research (2015), Volume 13, Number 1, pp. 30-39, 20 refs. ISSN: 0973-1830 Published by: Society of Soybean Research and Development, Indore	⑯b
410	Zhang Peng; Zhang Xuefeng; Zhao Yunhe; Wei Yan; Mu Wei; Liu Feng	2015	Effects of imidacloprid and clothianidin seed treatments on wheat aphids and their natural enemies on winter wheat.	Pest management science, (2015 Aug 7) . Electronic Publication Date: 7 Aug 2015	⑯b
411	Kumar, M. P.; Rahman, A.; Saikia, J.	2015	Efficacy of two neonicotinoids against Mustard Aphid, Lipaphis erysimi (Kalt.) and their Toxicity to Honey Bee, Apis cerana F	Pesticide Research Journal (2015), 27(2), 187-190	⑯b
412	Stang, Christoph; Bakanov, Nikita; Schulz, Ralf	2015	Experiments in water-macrophyte systems to uncover the dynamics of pesticide mitigation processes in vegetated surface waters /streams	Environmental Science and Pollution Research (2015) Ahead of Print	⑱
413	Fryday, S.; Tiede, K.; Stein, J.	2015	External scientific report: scientific services to support EFSA systematic reviews: Lot 5 systematic literature review on the neonicotinoids (namely active substances clothianidin , thiamethoxam and imidacloprid) and the risks to bees (Tender specificatio	External scientific report: scientific services to support EFSA systematic reviews: Lot 5 systematic literature review on the neonicotinoids (namely active substances clothianidin, thiamethoxam and imidacloprid) and the risks to bees (Tender specification	⑧
414	Sasidhar, B. N.; Anand, K. A.; Srilatha, C.; Lakshman, M.; Amaravathi, P.; Hemanth, I.; Sailaja, N.; Sujatha, K.	2015	Histological and ultrastructural changes induced by long term feeding of imidacloprid and amelioration with vitamin C and Withania somnifera in layer birds.	Indian Journal of Veterinary Pathology (2015), Volume 39, Number 4, pp. 343-346 ISSN: 0250-4758 Published by: Indian Association of Veterinary Pathologists, Izatnagar	⑱(ニワトリの組織学的評価)
415	Wang, Lei; Zeng, Ling; Chen, Jian	2015	Impact of imidacloprid on new queens of imported fire ants, Solenopsis invicta (Hymenoptera: Formicidae)	Scientific Reports (2015), 5, 17938/1-17938/8	⑯b
416	Liu, Yong-Qiang; Liu, Bing; Ali, Abid; Luo, Shu-Ping; Lu, Yan-Hui; Liang, GE-Mei	2015	Insecticide toxicity to Adelphocoris lineolatus (Hemiptera: Miridae) and its nymphal parasitoid Peristenus spretus (Hymenoptera: Braconidae)	Journal of Economic Entomology (2015), 108(4), 1779-1785	⑯b
417	Ccanccapa, Alexander; Masia, Ana; Andreu, Vicente; Pico, Yolanda	2015	Spatio-temporal patterns of pesticide residues in the Turia and Ju.acte.car Rivers (Spain)	Science of the Total Environment (2015) Ahead of Print	⑰
418	Wang, Lei; Zeng, Ling; Chen, Jian	2015	Sublethal effect of imidacloprid on Solenopsis invicta (Hymenoptera: Formicidae) feeding, digging, and foraging behavior	Environmental Entomology (2015), 44(6), 1544-1552	⑯b
419	Uhl, Philipp; Bucher, Roman; Schaefer, Ralf B.; Entling, Martin H.	2015	Sublethal effects of imidacloprid on interactions in a tritrophic system of non - target species	Chemosphere (2015), 132, 152-158	⑯b
420	Uysal, Handan; Unver, Sedat; Kizilet, Halit	2015	The Effects of Neonicotinoids on the Longevity of the Male and Female Populations of drosophila melanogaster	Ekoloji (2015), 24(96), 57-63	⑯b

421	Mgocheki, N.; Addison, P.	2015	The sublethal effects of a systemic insecticide on the vine mealybug parasitoids Anagyrus sp. near pseudococci (Girault) and Coccidoxenoides perminutus (Timberlake) (Hymenoptera: Encyrtidae)	South African Journal of Enology and Viticulture (2015), 36(1), 175-179	⑯b
422	Gadhiya, V. C.; Pastagia, J. J.	2015	Toxicity of some newer insecticides to stingless bees, Tetragonula laeviceps workers	Pestology (2015), 39(11), 16-18	⑯b
423	Beloti, Vitor Hugo; Alves, Gustavo Rodrigues; Araujo, Diogo Feliciano Dias; Picoli, Mateus Manara; Moral, Rafael De Andrade; Demetrio, Clarice Garcia Borges; Yamamoto, Pedro Takao	2015	Lethal and sublethal effects of insecticides used on citrus, on the ectoparasitoid Tamarixia radiata	PLoS One (2015), 10(7), e0132128/1-e0132128/14	⑯b
424	Shankarganesh, K.; Suroshe, Sachin Suresh; Paul, Bishwajeet	2015	Relative susceptibility of the Bikaner and Delhi populations of mustard aphid, Lipaphis erysimi (Kalt.) (Homoptera: Aphididae), and its predator, Coccinella septempunctata L. (Coleoptera: Coccinellidae), to different insecticides.	Phytoprotection, (2015) Vol. 95, No. 1, pp. 27-31.	⑯b
425	Mallick, Sayanti; Mandal, S. K.	2015	Relative toxicity of some new generation insecticides to the pupal stage of the egg parasitoid, Trichogromma chilonis Ishii (Trichogrammatidae: Hymenoptera)	Pestology (2015), 39(12), 55-57	⑯b
426	Meenu; Pala Ram; Ram, P.	2015	Residual toxicity of different insecticides to adults of Aenasius bambawalei Hayat (Hymenoptera: Encyrtidae).	Journal of Insect Science (Ludhiana) (2015), Volume 28, Number 2, pp. 293-295, 8 refs. ISSN: 0970-3837 Published by: Indian Society for the Advancement of Insect Science, Ludhiana	⑯b
427	Narendra, G; Khokhar, Sucheta; Ram, Pala	2015	Residual toxicity of some insecticides to the adults of Trichogramma chilonis under both laboratory and field conditions	Indian journal of plant protection (Sep 2015), Volume 43, Number 3, pp. 320-323, 4 p. ISSN: 0253-4355; 2249-7870; 2249-7870 Source Note: 201509, v. 43, no. 3	⑯b
428	Megha, R. R. [Reprint Author]; Basavanagoud, K.; Kulkarni, N. S.	2015	SAFETY EVALUATION OF SOME SELECTED INSECTICIDES AGAINST COCCINELLIDS CHEILOMENES SEXMACULATA (FAB.) AND HIPPODAMIA VARIEGATA (GOEZE).	Journal of Experimental Zoology India, (JAN 2015) Vol. 18, No. 1, pp. 315-318. ISSN: 0972-0030.	⑯b
429	Thangachamy, P.; Rajavel, D. S.; Karthik, P.; Sonairajan, T.	2015	Safety of new insecticides to larval parasitoid Cotesia plutellae (Kurdj.) of diamondback moth, Plutella xylostella (L.) under laboratory condition	Pestology (2015), 39(7), 37-38	⑯b
430	Nirmala Rathee; Kanchesh; Nehra, K. S.; Rathee, N.	2015	Toxic effect of insecticides on survival of giant honey bee (Apis dorsata F.).	Annals of Agri Bio Research (2015) , Volume 20, Number 1, pp. 54-59, 33 refs. ISSN: 0971-9660 Published by: Agri Bio Research	⑯b
431	Vaziritabar, S.; Oshidari, S.; Aghamirkarimi, A.	2015	A survey of pesticide remainders in pollen loads collected by honey bees in the Alborz province apiaries in Iran.	Journal of Biodiversity and Environmental Sciences (JBES) (2015), Volume 7, Number 2, pp. 107-124 ISSN: 2220-6663 Published by: Shamokal Publications, Dhaka	⑰
432	Wright, Geraldine A.; Softley, Samantha; Earnshaw, Helen	2015	Low doses of neonicotinoid pesticides in food rewards impair short-term olfactory memory in foraging-age honeybees	Scientific Reports (2015), 5, 15322	⑱

433	Farooqi, M. A.; Mansoor-Ul-Hasan; Sabri, M. A.; Nazir Javed	2015	Assessment of insecticide residues in raw honey by High Performance Liquid Chromatography with Ultraviolet detection.	Pakistan Journal of Zoology (2015) , Volume 47, Number 4, pp. 965-970, 39 refs. ISSN: 0030-9923 Published by: Zoological Society of Pakistan, Lahore	⑰
434	Jovanov, Pavle; Guzsvany, Valeria; Lazic, Sanja; Franko, Mladen; Sakac, Marijana; Saric, Ljubisa; Kos, Jovana	2015	Development of HPLC-DAD method for determination of neonicotinoids in honey	Journal of Food Composition and Analysis (2015), 40, 106-113	⑰
435	Jabot, Claire; Fieu, Maeva; Giroud, Barbara; Bulete, Audrey; Casabianca, Herve; Vulliet, Emmanuelle	2015	Trace-level determination of pyrethroid, neonicotinoid and carboxamide pesticides in beeswax using dispersive solid-phase extraction followed by ultra-high-performance liquid chromatography-tandem mass spectrometry	International Journal of Environmental Analytical Chemistry (2015), 95(3), 240-257	⑤ ⑰
436	Rivetti, Claudia; Campos, Bruno; Faria, Melissa; De Castro Catala, Nuria; Malik, Amrita; Munoz, Isabel; Tauler, Roma; Soares, Amadeu M. V. M.; Osorio, Victoria; Perez, Sandra; Gorga, Marina; Petrovic, Mira; Mastroianni, Nicola; De Alda, Miren Lopez; Masia	2015	Transcriptomic, biochemical and individual markers in transplanted Daphnia magna to characterize impacts in the field	Science of the Total Environment (2015), 503-504, 200-212	①
437	Iturburu, Fernando G.; Zoemisch, Markus; Panzeri, Ana M.; Crupkin, Andrea C.; Contardo-Jara, Valeska; Pflugmacher, Stephan; Menone, Mirta L.	2016	Uptake, distribution in different tissues and genotoxicity of imidacloprid in the freshwater fish Australoheros facetus	Environmental Toxicology and Chemistry (2016) Ahead of Print	⑯b
438	Millot Florian; Decors Anouk; Mastain Olivier; Quintaine Thomas; Berny Philippe; Vey Daniele; Lasseur Romain; Bro Elisabeth	2016	Field evidence of bird poisonings by imidacloprid - treated seeds: a review of incidents reported by the French SAGIR network from 1995 to 2014.	Environmental science and pollution research international, (2016 Dec 27) . Electronic Publication Date: 27 Dec 2016	鳥の事故例の検証であり、リスク評価に使用できる新規のデータは含まれていない
439	Van Meter Robin J; Glinski Donna A; Henderson W Matthew; Purucker S Thomas	2016	Soil organic matter content effects on dermal pesticide bioconcentration in American toads (Bufo americanus).	Environmental toxicology and chemistry / SETAC, (2016 Mar 29) . Electronic Publication Date: 29 Mar 2016	⑯b
440	Brandt Annely	2016	The Neonicotinoids Thiacloprid , Imidacloprid , and Clothianidin affect the Immunocompetence of Honey Bees (Apis mellifera L.).	Journal of insect physiology, (2016 Jan 8) . Electronic Publication Date: 8 Jan 2016	⑱
441	Lima, M. A. P.; Martins, G. F.; Oliveira, E. E.; Guedes, R. N. C.	2016	Agrochemical-induced stress in stingless bees: peculiarities, underlying basis, and challenges.	Journal of Comparative Physiology A Neuroethology Sensory Neural and Behavioral Physiology, (OCT 2016) Vol. 202, No. 9-10, Sp. Iss. SI, pp. 733-747.	⑧
442	Chand, Prakash; Kumar, Anil; Chand, Hari; Kumar, Nagendra	2016	Bio-efficacy of some insecticides against Pyrilla pepusilla walker and its bioagent Epiricania melanoleuca on sugarcane	Bioscan (2016), 11(Suppl.4), 2449-2452	④
443	Chandra, P. B.; Ingle, R. W.; Tetali, S.	2016	Compatability of Phosphate Solubilizing Microorganisms with different agrochemicals.	Plant Archives (2016), Volume 16, Number 1, pp. 229-232, 4 refs. ISSN: 0972-5210 Published by: Dr R.S. Yadav, Etawah	⑯b
444	Andronic, Luminita; Isac, Luminita; Miralles-Cuevas, Sara; Visa, Maria; Oller, Isabel; Duta, Anca; Malato, Sixto	2016	Pilot-plant evaluation of TiO2 and TiO2-based hybrid photocatalysts for solar treatment of polluted water	Journal of Hazardous Materials (2016), 320, 469-478	⑱
445	Stoner, Kimberly A.; Eitzer, Brian D.	2016	Using a hazard quotient to evaluate pesticide residues detected in pollen trapped from honey bees (Apis mellifera) in Connecticut [Erratum to document cited in CA161:609897]	PLoS One (2016), 11(7), e0159696/1-e0159696/3	⑨

446	Gagliardi, Bryant S.; Pettigrove, Vincent J.; Long, Sara M.; Hoffmann, Ary A.	2016	A Meta-Analysis Evaluating the Relationship between Aquatic Contaminants and Chironomid Larval Deformities in Laboratory Studies	Environmental Science and Technology (2016) Ahead of Print	⑮
447	Thiel, Sarina; Koehler, Heinz-R.	2016	A sublethal imidacloprid concentration alters foraging and competition behaviour of ants	Ecotoxicology (2016), 25(4), 814-823	⑯b
448	Turaga, Uday; Peper, Steven T.; Dunham, Nicholas R.; Kumar, Naveen; Kistler, Whitney; Almas, Sadia; Presley, Steven M.; Kendall, Ronald J.	2016	A survey of neonicotinoid use and potential exposure to northern bobwhite (Colinus virginianus) and scaled quail (Callipepla squamata) in the Rolling Plains of Texas and Oklahoma	Environmental Toxicology and Chemistry (2016), 35(6), 1511-1515	鳥類の減少地域におけるネオニコチノイド処理種子モニタリング
449	Willming, Morgan M.; Lilavois, Crystal R.; Barron, Mace G.; Raimondo, Sandy	2016	Acute toxicity prediction to threatened and endangered species using Interspecies Correlation Estimation (ICE) models	Environmental Science and Technology (2016) Ahead of Print	⑮(ICEモデルを利用した絶滅危惧種の急性毒性推定)
450	Matsuda, K.; Saito, T.	2016	Assessment of insecticide susceptibility of Liriomyza trifolii (Burgess) and its three parasitoids by laboratory bioassays.	Annual Report of the Kansai Plant Protection Society (2016), Number 58, pp. 143-145, 16 refs. ISSN: 0387-1002 Published by: Kansai Plant Protection Society, Ano	⑯b
451	Somar Hazarika; Pulin Patgiri; Pranab Dutta; Shimantini Borkataki; Karishma Das; Hazarika, S.; Patgiri, P.; Dutta, P.; Borkataki, S.; Das, K.	2016	Compatibility of Nomuraea rileyi (Farlow) with common pesticides used in vegetable ecosystem of Assam.	Journal of Entomological Research (2016) , Volume 40, Number 2, pp. 157-159, 8 refs. ISSN: 0378-9519 DOI: 10.5958/0974-4576.2016.00029.3 Published by: Malhotra Publishing House, New Delhi	⑯b
452	Dhanya, M. K.; Anjumol, K. B.; Murugan, M.; Deepthy, K. B.	2016	Compatibility of Trichoderma viride and Pseudomonas fluorescens with plant protection chemicals and fertilizers in cardamom.	Journal of Tropical Agriculture (2016) , Volume 54, Number 2, pp. 129-135, 23 refs. ISSN: 0971-636X Published by: Kerala Agricultural University, Thrissur	⑯b
453	Reddy, B. Nagendra; Lakshmi, V. Jhansi; Laha, G. S.; Maheswari, T. Uma	2016	Compatibility of entomopathogenic fungi with imidacloprid for management of brown planthopper, nilaparvata lugens stal. (delphacidae: hemiptera) in rice	Journal of Plant Development Sciences (2016), 8(2), 71-74	⑯b
454	Kurhade, Karuna C.; Gade, R. M.; Belkar, Y. K.; Chaitanya, B. H.	2016	Detecting tolerance in Pseudomonas fluorescens to pestiddes.	Agricultural Science Digest, (SEP 2016) Vol. 36, No. 3, pp. 247-249.	⑯b
455	Laaniste, Asko; Leito, Ivo; Rebane, Riin; Lohmus, Runno; Lohmus, Ants; Punga, Fredrik; Kruve, Anneli	2016	Determination of neonicotinoids in Estonian honey by liquid chromatography-electrospray mass spectrometry	Journal of Environmental Science and Health, Part B: Pesticides, Food Contaminants, and Agricultural Wastes (2016), 51(7), 455-464	⑰
456	Junker, Thomas (Correspondence); Coors, Anja; Schuurmann, Gerrit	2016	Development and application of screening tools for biodegradation in water - sediment systems and soil.	Science of the Total Environment, (February 15, 2016) Vol. 544, pp. 1020-1030. Refs: 49 ISSN: 0048-9697; E-ISSN: 1879-1026 CODEN: STEVA8	⑱
457	Nagai, Takashi	2016	Ecological effect assessment by species sensitivity distribution for 68 pesticides used in Japanese paddy fields	Journal of Pesticide Science (Tokyo, Japan) (2016), 41(1), 6-14	⑮(公表データのSSD解析、新規データ無し)
458	Whitfield-Aslund, Melissa; Winchell, Michael; Bowers, Lisa; Mcgee, Sean; Tang, Jane; Padilla, Lauren; Greer, Colleen; Knopper, Loren; Moore, Dwayne R. J.	2016	Ecological risk assessment for aquatic invertebrate communities exposed to imidacloprid as a result of labeled agricultural and nonagricultural uses in the United States	Environmental Toxicology and Chemistry (2016) Ahead of Print	⑨(公表データに基づく評価、新規データ無し)
459	Li, Erlan; Sun, Yongliang; Guo, Hongwei; Gao, Huiju; Ren, Chunjiu; Wang, Fengjuan; Wang, Yanwen; Mou, Zhimei	2016	Effect of neonicotinoid insecticide imidacloprid on growth, development and food utilization of Bombyx mori larvae	Canye Kexue (2016), 42(3), 473-482	⑲

460	Chavan, D. R.; Manjunatha, M. K.; Ramesh, K. B.; Babu, H. S.; Zanwar, P. R.	2016	Effect of newer insecticides on population of ladybird beetles and spiders in Bt cotton ecosystem.	Trends in Biosciences (2016), Volume 9, Number 3, pp. 188-192, 10 refs. ISSN: 0974-8431 Published by: Society for Advancement of Science and Rural Development, Kalyanpur	⑯b
461	Ditillo J L; Kennedy G G; Walgenbach J F	2016	Effects of Insecticides and Fungicides Commonly Used in Tomato Production on Phytoseiulus persimilis (Acari: Phtyoseiidae).	Journal of economic entomology, (2016 Dec) Vol. 109, No. 6, pp. 2298-2308. Electronic Publication Date: 23 Oct 2016	⑯b
462	Nazari, M.; Shahidi-Noghabi, S.; Mahdian, K.	2016	Effects of pyriproxyfen and imidacloprid on mortality and reproduction of Menochilus sexmaculatus (Coleoptera: Coccinellidae), predator of Agonoscena pistaciae.	Journal of Crop Protection (2016) , Volume 5, Number 1, pp. 89-98, 22 refs. ISSN: 2251-9041 Published by: Tarbiat Modares University, Tehran	⑯b
463	Liu Zhongfang; Feng Yuntao; Gao Yue; Guo Xiaojun; Zhang Pengjiu; Fan Renjun; Liu, Z. F.; Feng, Y. T.; Gao, Y.; Guo, X. J.; Zhang, P. J.; Fan, R. J.	2016	Effects of sublethal dose of imidacloprid on life table of experimental populations of lacewing Chrysoperla nipponensis (Okamoto) (Neuroptera: Chrysopidae).	Acta Phytophylacica Sinica (2016) , Volume 43, Number 6, pp. 1014-1019, 29 refs. ISSN: 0577-7518 Published by: Acta Phytophylacica Sinica, Beijing	⑲
464	Copping, Leonard G.	2016	Neonicotinoids and bees: What's all the buzz?	Outlooks on Pest Management (1 Feb 2016) Volume 27, Number 1, pp. 26-28 ISSN 1743-1026 E-ISSN: 1743-1034 DOI: 10.1564/v27_feb_05 Published by: Research Information Ltd, Grenville Court,Britwell Road,Burnham, Bucks, SL1 8DF (GB)	⑧
465	Dolzhenko, T. V.; Kozlova, E. G.; Dolzhenko, O. V.	2016	Evaluation of effect of insecticides on beneficial arthropods.	Russian Agricultural Sciences (2016), Volume 42, Number 3/4, pp. 236-238, Translated from Doklady Rossiiskoi Akademii Selskokhozyaistvennykh Nauk (2016) No. 2-3, 21-23 (Ru)., 7 refs. ISSN: 1068-3674 Published by: Allerton Press, Inc., New York	⑯b
466	Bajya, D. R.; Raniith, M.	2016	Field evaluation of imidacloprid 17.8 SL against whitefly Bemisia tabaci (Gennadius) and its safety to natural enemies in tomato	Pestology (2016), 40(9), 27-30	⑯b
467	Saeed, Rabia; Razaq, Muhammad; Hardy, Ian Cw	2016	Impact of neonicotinoid seed treatment of cotton on the cotton leafhopper, Amrasca devastans (Hemiptera: Cicadellidae), and its natural enemies	Pest Management Science (2016), 72(6), 1260-1267	⑯b
468	Kaushik, Amit K.; Bisht, Kalpana; Yadav, Sunil K.; Srivastava, Poonam	2016	Impact of various insecticides on natural enemies in cowpea ecosystem	Journal of Plant Development Sciences (2016), 8(11), 547-550	⑯b
469	Mamedova, V. F.; Alekperov, I. Kh.	2016	THE USE OF CILIATES (CILIOPHORA) FOR BIOASSAY OF THE TOXICITY OF INSECTICIDES.	Vestnik Zoologii, (OCT 2016) Vol. 50, No. 5, pp. 467-470.	⑯b
470	Farooqi, Muhammad Aslam; Mansoor-Ul-Hasan; Arshad, Muhammad	2016	Toxicity of Three Commonly Used Nicotinoids and Spinosad to Apis mellifera L. (Hymenoptera: Apidae) Using Surface Residual Bioassays.	Pakistan Journal of Zoology, (DEC 2016) Vol. 48, No. 6, pp. 1983-1987.	⑭
471	Douglas, Margaret R.; Tooker, John F.	2016	Meta-analysis reveals that seed-applied neonicotinoids and pyrethroids have similar negative effects on abundance of arthropod natural enemies.	PeerJ, (2016) Vol. 2016, No. 12. arn. e2776. Refs: 70 E-ISSN: 2167-8359	⑨(公表データに基づく分析、新規データ無し)
472	Juan-Borras, Marisol; Domenech, Eva; Escriche, Isabel	2016	Mixture-risk - assessment of pesticide residues in retail polyfloral honey	Food Control (2016), 67, 127-134	⑰

473	Domenica, Auteri; Maria, Arena; Stefania, Barmaz; Alessio, Ippolito; Alberto, Linguadoca; Tunde, Molnar; Rachel, Sharp; Csaba, Szentes; Benedicte, Vagenende; Alessia, Verani	2016	Neonicotinoids and bees: The case of the European regulatory risk assessment	Science of the Total Environment (2016) Ahead of Print	⑧
474	Put, Kurt; Bollens, Tim; Waeckers, Felix; Pekas, Apostolos	2016	Non-target effects of commonly used plant protection products in roses on the predatory mite Euseius gallicus Kreiter and Tixier (Acari: Phytoseidae)	Pest Management Science (2016), 72(7), 1373-1380	⑯b
475	Anes, K. M.; Ganguly, S.	2016	Pesticide compatibility with entomopathogenic nematode, Steinernema thermophilum (Nematoda: Rhabditida).	Indian Journal of Nematology (2016), Volume 46, Number 1, pp. 20-26 ISSN: 0303-6960 Published by: Nematological Society of India, New Delhi	⑯b
476	Zaller Johann G; Konig Nina; Tiefenbacher Alexandra; Muraoka Yoko; Querner Pascal; Ratzenbock Andreas; Bonkowski Michael; Koller Robert	2016	Pesticide seed dressings can affect the activity of various soil organisms and reduce decomposition of plant material.	BMC ecology, (20160817) Vol. 16, No. 1, pp. 37. Electronic Publication Date: 17 Aug 2016	⑯b
477	Nagrare, V. S.; Kranthi, S.; Kranthi, K. R.; Naik, V. Chinna Babu; Deshmukh, Vrushali; Naikwadi, Bhausaheb; Dahekar, Ashish	2016	Relative toxicity of insecticides against cotton mealybug Phenacoccus solenopsis Tinsley (Hemiptera:Pseudococcidae) and its fortuous parasitod Aenasius bambawalei Hayat (Hymenoptera: Encyrtidae)	Journal of Applied and Natural Science (2016), 8(2), 987-994	⑯b
478	Wanumen Andrea C; Carvalho Geraldo A; Medina Pilar; Vinuela Elisa; Adan .Acte.Angeles	2016	Residual Acute Toxicity of Some Modern Insecticides Toward Two Mirid Predators of Tomato Pests.	Journal of economic entomology, (2016 Mar 31) . Electronic Publication Date: 31 Mar 2016	⑯b
479	Schmuck, Richard; Lewis, Gavin	2016	Review of field and monitoring studies investigating the role of nitro-substituted neonicotinoid insecticides in the reported losses of honey bee colonies (Apis mellifera)	Ecotoxicology (2016) Ahead of Print	⑧
480	Ratnakar, V.; Rao, S. R. Koteswara; Sridevi, D.; Vidyasagar, B.	2016	Safety evaluation of certain newer insecticides to European honeybee, Apis mellifera Linnaeus.	Journal of Entomological Research, (SEP 2016) Vol. 40, No. 3, pp. 261-266.	リスク評価に用いることのできるエンドポイントが得られる試験法ではない
481	Ratnakar, V.; Rao, S. R. K.; Sridevi, D.; Vidyasagar, B.	2016	Safety evaluation of some insecticides on honey bee.	Agricultural Research Journal (2016) , Volume 53, Number 4, pp. 599-602, 27 refs. ISSN: 2395-1435 DOI: 10.5958/2395-146X.2016.00121.6 Published by: Punjab Agricultural University, Ludhiana	リスク評価に用いることのできるエンドポイントが得られる試験法ではない
482	Anoop Kumar; Singh, N. N.; Mishra, V. K.; Kumar, A.	2016	Safety of insecticides to egg parasitoid Trichogramma chilonis Ishii.	Indian Journal of Entomology (2016) , Volume 78, Number 1, pp. 82-88, 19 refs. ISSN: 0367-8288 DOI: 10.5958/0974-8172.2016.00016.X Published by: Entomological Society of India, New Delhi	⑯b
483	Popa, D. G.; Dudoiu, R.; Fatu, C.; Dinu, M.; Mincea, C.	2016	Selectivity of some pesticides over detritivore soil macrofauna (Eisenia foetida).	Romanian Journal for Plant Protection (2016) , Volume 9, pp. 52-55, 8 refs. ISSN: 2248-129X Published by: Research Development Institute for Plant Protection, Bucharest	⑯b
484	Mayank Gupta; Singh, S. P.; Munish Batra; Pankaj, N. K.; Gupta, M.; Batra, M.	2016	Protective effects of Erythrina variegata and Spirulina platensis in imidacloprid intoxicated white leg horn cockerels.	Indian Journal of Veterinary Pathology (2016) , Volume 40, Number 2, pp. 192-194 ISSN: 0250-4758 DOI: 10.5958/0973-970X.2016.00045.6 Published by: Indian Association of Veterinary Pathologists, Izatnagar	⑱

485	Fevery, Davina; Houbraken, Michael; Spanoghe, Pieter	2016	Pressure of non-professional use of pesticides on operators , aquatic organisms and bees in Belgium	Science of the Total Environment (2016), 550, 514-521	⑰
486	Mccurdy, J. D.; Held, D. W.; Gunn, J. M.; Barickman, T. C.	2017	Dew from warm-season turfgrasses as a possible route for pollinator exposure to lawn-applied imidacloprid.	Crop, Forage and Turfgrass Management (2017), Volume 3, Number 1, cftm2016.09.0063 p. ISSN: 2374-3832 DOI: 10.2134/cftm2016.09.0063 Published by: American Society of Agronomy, co-published with Crop Science Society of America, Madison	評価に用いることができない。芝の露中イミダクロプリド濃度
487	Bajiya, M. R.; Abrol, D. P.	2017	Effect of direct spray of insecticides on mortality of honeybee, Apis mellifera L. (Hymenoptera: Apidae) on mustard crop (Brassica napus)	Journal of Pharmacognosy and Phytochemistry (2017), 6(5), 2788-2792	⑯b
488	Jan, Haseeb; Latif, Muhammad; Akhtar, Zunnu Raen; Naveed, Waleed Afzal; Tariq, Mubashir; Aziz, Ali	2017	Efficacy of neo nicotenoids against wheat aphid and impact on its predators.	International Journal of Entomology Research, (SEP-OCT 2017) Vol. 2, No. 5, pp. 40-44. E-ISSN: 2455-4758.	⑯b
489	Bradley, Paul M.; Journey, Celeste A.; Romanok, Kristin M.; Barber, Larry B.; Buxton, Herbert T.; Foreman, William T.; Furlong, Edward T.; Glassmeyer, Susan T.; Hladik, Michelle L.; Iwanowicz, Luke R.; Jones, Daniel K.; Kolpin, Dana W.; Kuivila, Kathryn M	2017	Expanded Target-Chemical Analysis Reveals Extensive Mixed-Organic-Contaminant Exposure in U.S. Streams	Environmental Science and Technology (2017) Ahead of Print	海外モニタリングであり、日本における評価に利用できない。
490	Devillers, J.; Devillers, H.; Bro, E.; Millot, F.	2017	Expert judgment based multicriteria decision models to assess the risk of pesticides on reproduction failures of grey partridge	SAR and QSAR in Environmental Research (2017), 28(11), 889-911	⑮
491	Brodschneider, Robert; Libor, Anika; Kupelwieser, Vera; Crailsheim, Karl	2017	Food consumption and food exchange of caged honey bees using a radioactive labelled sugar solution.	PLoS ONE, (March 2017) Vol. 12, No. 3. arn. e0174684. Refs: 49 E-ISSN: 1932-6203 CODEN: POLNCL	⑱
492	Padmaja, K.; Veeraiah, K.; Sadasiva Reddy, I.; Rajeswari, A.	2017	Imidacloprid toxicity and effect on biochemical constituents of the freshwater fish, Labeo rohita (Hamiloton)	Bioscan (2017), 10(Spec.Iss.), 147-153	⑯a
493	Patel, N. M.; Godhani, P. H.	2017	Impact of synthetic insecticides on natural enemies of aphid, Lipaphis erysimi (Kaltenbech.) in cauliflower.	Trends in Biosciences (2017) , Volume 10, Number 40, pp. 8484-8487, 6 refs. ISSN: 0974-8431 Published by: Society for Advancement of Science and Rural Development, Kalyanpur	⑯b
494	Saha, Suvadip; Kumar, P. Sudheer; Bhowmik, Sagarika; Talukder, Bipradeb	2017	Toxicity of some pesticides to two important parasitoids of lepidopteran tissue borers	International Journal of Current Microbiology and Applied Sciences (2017), 6(7), 2415-2421	⑯b
495	Stokwe, N. F.; Malan, A. P.	2017	Laboratory bioassays to determine susceptibility of woolly apple aphid, Eriosoma lanigerum (Hausmann) (Hemiptera: Aphididae), to entomopathogenic nematodes.	African Entomology, (MAR 2017) Vol. 25, No. 1, pp. 123-136. ISSN: 1021-3589. E-ISSN: 1026-4914.	⑱
496	Rousis, Nikolaos I.; Bade, Richard; Bijlsma, Lubertus; Zuccato, Ettore; Sancho, Juan V.; Hernandez, Felix; Castiglioni, Sara	2017	Monitoring a large number of pesticides and transformation products in water samples from Spain and Italy	Environmental Research (2017), 156, 31-38	⑱
497	Dhore, S. B.; Saindane, Y. S.; Patil, C. S.; Deore, B. V.	2017	Persistence of imidacloprid in/on brinjal and cropped soil.	Trends in Biosciences (2017) , Volume 10, Number 20, pp. 3837-3839, 8 refs. ISSN: 0974-8431 Published by: Society for Advancement of Science and Rural Development, Kalyanpur	⑱

498	Komal; Gupta, R. P.; Deepika Lather; Lather, D.	2017	Clinico-pathological studies of imidacloprid toxicity and its amelioration with vitamin C in broiler chickens.	Indian Journal of Veterinary Pathology (2017) , Volume 41, Number 4, pp. 287-292 ISSN: 0250-4758 DOI: 10.5958/0973-970X.2017.00067.0 Published by: Indian Association of Veterinary Pathologists, Izatnagar	評価に用いられるエンドポイント(死亡)が得られていない
499	Pandey, Surya Prakash; Tsutsui, Kazuyoshi; Mohanty, Banalata	2017	Endocrine disrupting pesticides impair the neuroendocrine regulation of reproductive behaviors and secondary sexual characters of red munia (Amandava amandava)	Physiology and Behavior (2017), 173, 15-22	⑱
500	Kienzler, A.; Halder, M.; Worth, A.	2017	Waiving chronic fish tests: possible use of acute-to-chronic relationships and interspecies correlations	Toxicological and Environmental Chemistry, (2017) Vol. 99, Issue 7-8, pp. 1129-1151	⑧
501	Hasan, F.; Ansari, M. S.	2017	Lethal and Sublethal Effects of Insecticides on the Biological Attributes of Zygogramma bicolorata Pallister (Coleoptera: Chrysomelidae): a Biocontrol Agent of Parthenium hysterophorus L.	Neotropical Entomology (2017) Ahead of Print	⑯b
502	Buchanan, Amanda L.; Gibbs, Jason; Komondy, Lidia; Szendrei, Zsofia	2017	Bee Community of Commercial Potato Fields in Michigan and Bombus impatiens Visitation to Neonicotinoid-Treated Potato Plants.	Insects, (MAR 2017) Vol. 8, No. 1, pp. Article No.: 30. ISSN: 2075-4450. E-ISSN: 2075-4450.	⑯b
503	Nagai, Takashi	2017	Studies on ecological risk assessment of pesticide using species sensitivity distribution	Journal of Pesticide Science (Tokyo, Japan) (2017), 42(3), 124-131	⑮(公表データのSSD解析、新規データ無し)
504	Potts, Robert; Clarke, Rebecca M.; Oldfield, Sophie E.; Wood, Lisa K.; Hempel De Ibarra, Natalie; Cresswell, James E.	2017	The effect of dietary neonicotinoid pesticides on non-flight thermogenesis in worker bumble bees (Bombus terrestris)	Journal of Insect Physiology (2017) Ahead of Print	⑯b
505	Benuszak, Johanna; Laurent, Marion; Chauzat, Marie-Pierre	2017	The exposure of honey bees (Apis mellifera; Hymenoptera: Apidae) to pesticides: Room for improvement in research.; The exposure of honey bees (Apis mellifera; Hymenoptera: Apidae) to pesticides: Room for improvement in research.	Science of the Total Environment, (1 Jun 2017) Vol. 587-588, pp. 423-438. Refs: 283 ISSN: 0048-9697; E-ISSN: 1879-1026 CODEN: STEVA8	⑱
506	Santos, Kenia Fernanda Aguiar; Zanuzo Zanardi, Odimar; Rovere De Morais, Matheus; Jacob, Cynthia Renata Oliveira; Barbara De Oliveira, Monique; Yamamoto, Pedro Takao	2017	The impact of six insecticides commonly used in control of agricultural pests on the generalist predator Hippodamia convergens (Coleoptera: Coccinellidae)	Chemosphere (2017), 186, 218-226	⑯b
507	Munze, Ronald; Hannemann, Christin; Orlinskiy, Polina; Gunold, Roman; Paschke, Albrecht; Foit, Kaarina; Becker, Jeremias; Kaske, Oliver; Paulsson, Elin; Peterson, Marit; Jernstedt, Henrik; Kreuger, Jenny; Schuurmann, Gerrit; Liess, Matthias	2017	Pesticides from wastewater treatment plant effluents affect invertebrate communities.	Science of the Total Environment, (1 Dec 2017) Vol. 599-600, pp. 387-399. Refs: 106 ISSN: 0048-9697; E-ISSN: 1879-1026 CODEN: STEVA8	⑱
508	Aregahegn, Kifle Z.; Shemesh, Dorit; Gerber, R. Benny; Finlayson-Pitts, Barbara J.	2017	Photochemistry of Thin Solid Films of the Neonicotinoid Imidacloprid on Surfaces	Environmental Science and Technology (2017), 51(5), 2660-2668	⑱
509	Popa, D. G.; Dudoiu, R.; Mincea, C.	2017	Plant protection products with reduced impact for aquatic environment used in potato crop.	Romanian Journal for Plant Protection (2017) , Volume 10, pp. 60-65, 6 refs. ISSN: 2248-129X Published by: Research Development Institute for Plant Protection, Bucharest	⑱

510	Souza, E. P. De; Degrande, P. E.; Azambuja, R.; Santos, R. O. Dos; Alves Junior, V. V.; Silva, R. A. Da; Leal, M. F.; De Souza, E. P.; Dos Santos, R. O.; Da Silva, R. A.	2017	Pollen toxicity from seed-treated cotton on bees and pollen collection capacity.	Journal of Agricultural Science (Toronto) (2017), Volume 9, Number 11, pp. 154-161, 26 refs. ISSN: 1916-9752 DOI: 10.5539/jas.v9n11p154 Published by: Canadian Center of Science and Education, Toronto	⑱
511	Fan, Ye; Liu, Shu-Shen; Qu, Rui; Li, Kai; Liu, Hai-Ling	2017	Polymyxin B sulfate inducing time-dependent antagonism of the mixtures of pesticide, ionic liquids, and antibiotics to Vibrio qinghaiensis sp.-Q67	RSC Advances (2017), 7(10), 6080-6088	⑯b
512	Botias Cristina; David Arthur; Hill Elizabeth M; Goulson Dave	2017	Quantifying exposure of wild bumblebees to mixtures of agrochemicals in agricultural and urban landscapes.	Environmental pollution (Barking, Essex : 1987), (2017 Jan 11) . Electronic Publication Date: 11 Jan 2017	⑯b
513	Solomon Keith R; Stephenson Gladys L	2017	Quantitative weight of evidence assessment of higher-tier studies on the toxicity and risks of neonicotinoid insecticides in honeybees 1: Methods.	Journal of toxicology and environmental health. Part B, Critical reviews, (2017 Nov 20) pp. 1-14. Electronic Publication Date: 20 Nov 2017	⑧
514	Stephenson Gladys L; Solomon Keith R	2017	Quantitative weight of evidence assessment of higher-tier studies on the toxicity and risks of neonicotinoids in honeybees. 2. Imidacloprid.	Journal of toxicology and environmental health. Part B, Critical reviews, (2017 Nov 15) pp. 1-16. Electronic Publication Date: 15 Nov 2017	⑧
515	Solomon Keith R; Stephenson Gladys L	2017	Supplemental material for: Weight of Evidence Assessment of Higher Tier Studies on the Toxicity and Risks of Imidacloprid in Honeybees	Journal of toxicology and environmental health. Part B, Critical reviews, (2017 Nov 20) pp. 1-4. Electronic Publication Date: 20 Nov 2017	⑧
516	Cresswell, James E.	2017	A demographic approach to evaluating the impact of stressors on bumble bee colonies.	Ecological Entomology, (APR 2017) Vol. 42, No. 2, pp. 221-229. ISSN: 0307-6946. E-ISSN: 1365-2311.	⑱
517	Mitchell, E. A. D.; Mulhauser, B.; Mulot, M.; Mutabazi, A.; Glauser, G.; Aebi, A.	2017	A worldwide survey of neonicotinoids in honey	Science (Washington, DC, United States) (2017), 358(6359), 109-111	⑰
518	Beloti V H; Alves G R; Moral R A; Demetrio C G B; Yamamoto P T	2017	Acute Toxicity of Fresh and Aged Residues of Pesticides to the Parasitoid Tamarixia radiata and to the HLB-Bacteria Vector Diaphorina citri.	Neotropical entomology, (2017 Dec 08) . Electronic Publication Date: 8 Dec 2017	⑯b
519	Wang Zhao; Meng Lixia; Yang Hong; Jin Daochao; Wang, Z.; Meng, L. X.; Yang, H.; Jin, D. C.	2017	Acute toxicity and safety evaluation of 7 insecticides used in rice field to Carassius auratus juvenile.	Journal of Agricultural Science and Technology (Beijing) (2017) , Volume 19, Number 7, pp. 131-136, 23 refs. ISSN: 1008-0864 Published by: Journal of Agricultural Science and Technology, Beijing	⑯b
520	Krief, Sabrina; Berny, Philippe; Gumisiriza, Francis; Gross, Regine; Demeneix, Barbara; Fini, Jean Baptiste; Chapman, Colin A.; Chapman, Lauren J.; Seguya, Andrew; Wasswa, John	2017	Agricultural expansion as risk to endangered wildlife: Pesticide exposure in wild chimpanzees and baboons displaying facial dysplasia	Science of the Total Environment (2017), 598, 647-656	⑯b
521	Valdovinos-Flores, Cesar; Alcantar-Rosales, Victor M.; Gaspar-Ramirez, Octavio; Saldana-Loza, Luz M.; Dorantes-Ugalde, Jose A.	2017	Agricultural pesticide residues in honey and wax combs from Southeastern, Central and Northeastern Mexico. Original Title: Residuos de plaguicidas agricolas en miel y cuadros de cera procedentes del sureste, centro y noreste de Mexico.	Journal of Apicultural Research, (2017) Vol. 56, No. 5, pp. 667-679.	⑰
522	Curi, L. M.; Peltzer, P. M.; Martinuzzi, C.; Attademo, M. A.; Seib, S.; Simoniello, M. F.; Lajmanovich, R. C.	2017	Altered development, oxidative stress and DNA damage in Leptodactylus chaquensis (Anura: Leptodactylidae) larvae exposed to poultry litter	Ecotoxicology and Environmental Safety (2017), 143, 62-71	⑯b

523	Karise, Reet; Raimets, Risto; Bartkevics, Vadims; Pugajeva, Iveta; Pihlik, Priit; Keres, Indrek; Williams, Ingrid H.; Viinalass, Haldja; Mand, Marika	2017	Are pesticide residues in honey related to oilseed rape treatments?	Chemosphere (2017), 188, 389-396	⑰
524	Chakraborti, S.	2017	Assessing effectiveness of an alternate management system for termites in sugarcane plantation.	Journal of Entomological Research, (MAR 2017) Vol. 41, No. 1, pp. 45-49.	⑯b
525	Badshah, Hayat; Ullah, Farman; Calatayud, Paul Andre; Ullah, Hidayat; Ahmad, Bashir	2017	Can toxicants used against cotton mealybug Phenacoccus solenopsis be compatible with an encyrtid parasitoid Aenasius bambawalei under laboratory conditions?	Environmental Science and Pollution Research (2017), 24(6), 5857-5867	⑯b
526	Tsvetkov N; Samson-Robert O; Sood K; Patel H S; Malena D A; Gajiwala P H; Maciukiewicz P; Fournier V; Zayed A	2017	Chronic exposure to neonicotinoids reduces honey bee health near corn crops.	Science (New York, N.Y.), (20170630) Vol. 356, No. 6345, pp. 1395-1397.	①
527	Prabhaker, Nilima; Naranjo, Steven; Perring, Thomas; Castle, Steven	2017	Comparative Toxicities of Newer and Conventional Insecticides: Against Four Generalist Predator Species.	Journal of Economic Entomology, (DEC 2017) Vol. 110, No. 6, pp. 2630-2636.	⑯b
528	Kobashi, Koji; Harada, Takaaki; Adachi, Yoshihiro; Mori, Miho; Ihara, Makoto; Hayasaka, Daisuke	2017	Comparative ecotoxicity of imidacloprid and dinotefuran to aquatic insects in rice mesocosms	Ecotoxicology and Environmental Safety (2017), 138, 122-129	⑱
529	Criquet, Justine; Dumoulin, David; Howsam, Michael; Mondamert, Leslie; Goossens, Jean-Francois; Prygiel, Jean; Billon, Gabriel	2017	Comparison of POCIS passive samplers vs. composite water sampling: A case study	Science of the Total Environment (2017), 609, 982-991	⑰
530	Mohankumar, A.; Shanmugam, G.; Kalaiselvi, D.; Hafez, S. L.; Sundararaj, P.	2017	Compatibility and viability of newly isolated entomopathogenic nematodes (Steinernema siamkayai and Heterorhabditis bacteriophora) with commercial insecticides.	International Journal of Nematology (2017) , Volume 27, Number 1/2, pp. 76-80, 13 refs. ISSN: 1368-8774 Published by: Afro-Asian Society of Nematologists, Luton	⑯b
531	Tahseen Fatima; Neeta Sharma; Sharma, Y. K.; Ritu Srivastava; Shukla, P. K.; Fatima, T.; Sharma, N.; Srivastava, R.	2017	Compatibility of insecticides and botanicals on Beauveria bassiana (Balsamo)).	Journal of Eco-friendly Agriculture (2017), Volume 12, Number 1, pp. 100-102, 15 refs. ISSN: 2229-628X Published by: Doctors Agricultural and Horticultural Development Society, Luknow	⑯b
532	Woodcock, B. A.; Bullock, J. M.; Shore, R. F.; Heard, M. S.; Pereira, M. G.; Redhead, J.; Ridding, L.; Dean, H.; Sleep, D.; Henrys, P.; Peyton, J.; Hulmes, S.; Hulmes, L.; Sarospataki, M.; Saure, C.; Edwards, M.; Genersch, E.; Knaebe, S.; Pywell, R. F.	2017	Country-specific effects of neonicotinoid pesticides on honey bees and wild bees	Science (Washington, DC, United States) (2017), 356(6345), 1393-1395	①
533	Farooqi, Muhammad Aslam; Mansoor-Ul-Hasan; Akhtar, Sohail; Arshad, Muhammad; Aslam, Muhammad Naveed; Rafay, Muhammad	2017	Detection of insecticide residues in honey of Apis dorsata F. from Southern Punjab, Pakistan	Pakistan Journal of Zoology (2017), 49(5), 1761-1766	⑰
534	Herrick Nathan J; Cloyd Raymond A	2017	Direct and Indirect Effects of Pesticides on the Insidious Flower Bug (Hemiptera: Anthocoridae) Under Laboratory Conditions.	Journal of economic entomology, (20170601) Vol. 110, No. 3, pp. 931-940.	⑯b
535	Herrick, N.; Cloyd, R.	2017	Direct and indirect effects of pesticides and pesticide mixtures on the insidious flower bug, Orius insidiosus, under laboratory conditions.	IOBC/WPRS Bulletin (2017), Volume 124, pp. 99-104 Published by: International Organization for Biological and Integrated Control of Noxious Animals and Plants (OIBC/OILB), West Palaearctic Regional Section (WPRS/SROP), Dijon Conference: Proceedings of the IOBC/WPRS Working Group /Integrated Control in Protected Crops, Temperate Climate/, Niagara Falls, Canada, 4-8 June 2017.	⑯b

536	Englert, Dominic; Zubrod, Jochen P.; Link, Moritz; Mertins, Saskia; Schulz, Ralf; Bundschuh, Mirco	2017	Does Waterborne Exposure Explain Effects Caused by Neonicotinoid-Contaminated Plant Material in Aquatic Systems?	Environmental Science and Technology (2017), 51(10), 5793-5802	⑯b
537	Shankarganesh, K.; Paul, B.; Naveen, N.C.	2017	Eco-Toxicological Effect of Insecticides on the Larval Parasitoid, Bracon brevicornis Wesmael (Hymenoptera: Braconidae)	African Entomology (1 Sep 2017) Volume 25, Number 2, pp. 367-374, 33 refs. CODEN: AFREE2 ISSN: 1021-3589 DOI: 10.4001/003.025.0367 Published by: Entomological Society of Southern Africa,	⑯b
538	Dutta, N. K.; Alam, S. N.; Mahmudunnabi, M.; Amin, M. R.; Kwon, Y. J.	2017	Effect of insecticides on population reduction of sucking insects and lady bird beetle in eggplant field.	Bangladesh Journal of Agricultural Research (2017) , Volume 42, Number 1, pp. 35-42, 17 refs. ISSN: 0258-7122 DOI: 10.3329/bjar.v42i1.31971 Published by: Bangladesh Agricultural Research Institute (BARI), Ghazipur	⑯b
539	Sharifian, Iman; Sabahi, Qodratollah; Bandani, Ali R.	2017	Effect of some conventional insecticides on functional response parameters of Macrolophus pygmaeus (Hem.: Miridae) on Tuta absoluta (Lep.: Gelechiidae).	Biharean Biologist, (JUN 2017) Vol. 11, No. 1, pp. 10-14. ISSN: 1843-5637. E-ISSN: 2065-1155.	⑯b
540	Yu Tian-Tian; He Jing-Fang; Luo Ting-Ting; Dong Ying-Bo; Li Zhi-Guo	2017	Effects of field realistic doses of imidacloprid on learning and memory of Apis mellifera ligustica (Hymenoptera : Apidae) workers .	Acta Entomologica Sinica, (NOV 20 2017) Vol. 60, No. 11, pp. 1300-1306.	⑲
541	Mahendra Pal; Swaminathan, R.; Bajbai, N. K.; Rajendra Nagar; Pal, M.; Nagar, R.	2017	Efficacy of insecticides against insect pests of cotton and their natural enemies.	Indian Journal of Entomology (2017) , Volume 79, Number 3, pp. 312-320, 26 refs. ISSN: 0367-8288 Published by: Entomological Society of India, New Delhi	⑯b
542	Shanmugapriya, V.; Muralidharan, C. M.	2017	Evaluation of chemical insecticides and botanicals for its toxicity to Cheilomenes sexmaculatus fabricius	International Journal of Chemical Studies (2017), 5(3Pt.C), 150-152	⑯b
543	Pashte, V. V.; Patil, C. S. Pashte, V. V. Patil, C. S.	2017	Evaluation of persistence of insecticide toxicity in honey bees (Apis mellifera L.)	INDIAN JOURNAL OF BIOCHEMISTRY and BIOPHYSICS, (JUN-AUG 2017) Vol. 54, No. 3-4, pp. 150-155. ISSN: 0301-1208.	⑭ ⑰
544	Raheel, M.; Javed, N.; Khan, S. A.; Ahmed, S.	2017	Exploiting the biocontrol potential of entomopathogenic nematodes in combination with chemicals against greater wax moth (Galleria mellonella l.)	Journal of Animal and Plant Sciences (2017), 27(3), 877-881	⑯b
545	Mahmoud, Mahmoud Farag; Osman, Mohamed A. M.; Mahmoud, Kariman M.	2017	Field assessment of neonicotinoids against three aphid species and their natural enemies on wheat crop in Ismailia, Egypt	Pesticides and Phytomedicine (2017), 32(1), 41-49	⑯b
546	Ravikanth, V.; Lakshman, M.; Madhuri, D.; Kalakumar, B.	2017	Haematological alterations in broilers administered with imidacloprid and spinosad and its amelioration with vitamin E and Silymarin	International Journal of Current Microbiology and Applied Sciences (2017), 6(4), 496-500	⑱(ニワトリの血液学的変化)
547	Mcart, Scott H.; Fersch, Ashley A.; Milano, Nelson J.; Truitt, Lauren L.; Boroczky, Katalin	2017	High pesticide risk to honey bees despite low focal crop pollen collection during pollination of a mass blooming crop	Scientific Reports (2017), 7, 46554	⑰
548	Mahapatra, Bibhab; Adak, Totan; Patil, Naveen K. B.; Pandi G, Guru P.; Gowda, G. Basana; Jambhulkar, N. N.; Yadav, Manoj Kumar; Panneerselvam, P.; Kumar, Upendra; Munda, Sushmita; Jena, Mayabini	2017	Imidacloprid application changes microbial dynamics and enzymes in rice soil	Ecotoxicology and Environmental Safety (2017), 144, 123-130	⑯b

549	Pashte, V. V.; Patil, C. S.	2017	Impact of different insecticides on the activity of bees on sunflower.	Research on Crops (2017), Volume 18, Number 1, pp. 153-156, 34 refs. ISSN: 0972-3226 Published by: Gaurav Society of Agricultural Research Information Centre, Hisar	⑱(ひまわりに各種農薬を処理後のハチ類の発現率変化)
550	Boopathi, T.; Sankari Meena, K.; Ravi, M.; Thirunavukarasu, K.	2017	Impact of insecticides on spiralling whitefly, Aleurodicus dispersus (Hemiptera: Aleyrodidae) and its natural enemy complex in cassava under open field conditions	Crop Protection (2017), 94, 137-143	⑯b
551	Lu, Weiwei; Xu, Qiujing; Zhu, Jun; Liu, Chen; GE, Linquan; Yang, Guoqing; Liu, Fang	2017	Inductions of reproduction and population growth in the generalist predator Cyrtorhinus lividipennis (Hemiptera: Miridae) exposed to sub-lethal concentrations of insecticides	Pest Management Science (2017), 73(8), 1709-1718	⑯b
552	Perez, Debora J.; Okada, Elena; De Geronimo, Eduardo; Menone, Mirta L.; Aparicio, Virginia C.; Costa, Jose L.	2017	Spatial and temporal trends and flow dynamics of glyphosate and other pesticides within an agricultural watershed in Argentina	Environmental Toxicology and Chemistry (2017), 36(12), 3206-3216	⑰
553	Martinello, M.; Baratto, C.; Manzinello, C.; Piva, E.; Borin, A.; Toson, M.; Granato, A.; Boniotti, M. B.; Gallina, A.; Mutinelli, F.	2017	Spring mortality in honey bees in northeastern Italy: detection of pesticides and viruses in dead honey bees and other matrices.	Journal of Apicultural Research (2017) , Volume 56, Number 3, pp. 239-254, 109 refs. ISSN: 0021-8839 DOI: 10.1080/00218839.2017.1304878 Published by: Taylor and Francis, Abingdon	⑪ ⑰
554	Drobnjakovic, T.; Marcic, D.; Prijovic, M.; Peric, P.; Milenkovic, S.; Boskovic, J.	2017	Sublethal effects of imidacloprid on the whitefly parasitoid Encarsia formosa Gahan.	Pesticidi i Fitomedicina (2017) , Volume 32, Number 3/4, pp. 205-216 ISSN: 1820-3949 DOI: 10.2298/pif1704205d Published by: Institute of Pesticides and Environmental Protection, Belgrade	⑯b
555	Zanuzo Zanardi, Odimar; Pavan Bordini, Gabriela; Aparecida Franco, Aline; Jacob, Cynthia Renata Oliveira; Takao Yamamoto, Pedro	2017	Sublethal effects of pyrethroid and neonicotinoid insecticides on Iphiseiodes zuluagai Denmark and Muma (Mesostigmata: Phytoseiidae)	Ecotoxicology (2017) Ahead of Print	⑯b
556	Franco, Aline Aparecida; Zanardi, Odimar Zanuzo; Jacob, Cynthia Renata De Oliveira; De Oliveira, Monique Barbara Rosa; Yamamoto, Pedro Takao	2017	Susceptibility of Euseius concordis (Mesostigmata: Phytoseiidae) to pesticides used in citrus production systems	Experimental and Applied Acarology (2017) Ahead of Print	⑯b
557	De Albuquerque Silva, Barbara Karine; De Godoy, Mauricio Sekiguchi; De Lima, Alricelia Gomes; Soares De Oliveira, Anna Kezia; Pastori, Patrik Luiz De Albuquerque Silva, Barbara Karine; Soares De Oliveira, Anna Kezia Pastori, Patrik Luiz	2017	TOXICITY OF INSECTICIDES USED IN MUSKMELON ON FIRST-INSTAR LARVAE OF Chrysoperla genanigra FREITAS (NEUROPTERA: CHRYSOPIDAE)	REVISTA CAATINGA, (JUL-SEP 2017) Vol. 30, No. 3, pp. 662-669. ISSN: 0100-316X.	⑯b
558	Karmakar, Prasun; Shera, P. S.	2017	Toxicity of insecticides to Aenasius arizonensis (Girault) (equals Aenasius bambawalei Hayat), a solitary endoparasitoid of Phenacoccus solenopsis Tinsley on Bt cotton under semifield conditions.	Journal of Biological Control, (MAR 2017) Vol. 31, No. 1, pp. 5-9. ISSN: 0971-930X. E-ISSN: 0970-5732.	⑯b
559	Ijaz Haider; Anjum Suhail; Asif Aziz	2017	Toxicity of some insecticides against cotton jassid (Amrasca devastans Dist.) and its predator (Chrysoperla carnea Steph.).	Journal of Agricultural Research (Lahore) (2017), Volume 55, Number 2, pp. 311-321, 32 refs. ISSN: 0368-1157 Published by: Directorate of Agricultural Information, Ayub Agricultural Research Institute, Faisalabad	⑯b
560	Szoecs, Eduard; Brinke, Marvin; Karaoglan, Bilgin; Schaefer, Ralf B.	2017	Large Scale Risks from Agricultural Pesticides in Small Streams	Environmental Science and Technology (2017), 51(13), 7378-7385	⑰

561	Vineyard, Cory J.; Stewart, Scott	2017	Microbial degradation of neonicotinoid insecticides in the soil and potential implication on thrips (Thysanoptera: Thripidae) control in cotton	Journal of Cotton Science (2017), 21(2), 128-133	⑰
562	Meikle, William G.; Weiss, Milagra	2017	Monitoring colony-level effects of sublethal pesticide exposure on honey bees	Journal of Visualized Experiments (2017), (129), e56355/1-e56355/10	⑨(ミツバチのコロニー影響の評価法を述べた文献)
563	Cicero Nicola; Naccari Clara; Cammilleri Gaetano; Giangrosso Giuseppe; Cicero Antonello; Gervasi Teresa; Tropea Alessia; Albergamo Ambrogina; Ferrantelli Vincenzo	2017	Monitoring of neonicotinoid pesticides in beekeeping .	Natural product research, (2016 Oct 13) pp. 1-5. Electronic Publication Date: 13 Oct 2016	⑰
564	Baines Danica; Wilton Emily; Pawluk Abbe; De Gorter Michael; Chomistek Nora	2017	Neonicotinoids act like endocrine disrupting chemicals in newly-emerged bees and winter bees .	Scientific reports, (2017 Sep 08) Vol. 7, No. 1, pp. 10979. Electronic Publication Date: 8 Sep 2017	試験方法や被験物質に関する情報が記載されていない
565	Birangal, A. B.; Pagire, K. S.; Wagh, B. M.; Thakare, Dipali	2017	Performance of newer insecticidal treatments on natural enemies and yield contributing factors in sorghum	International Journal of Current Microbiology and Applied Sciences (2017), 6(2), 416-423	⑯b
566	Kim, Seoyoung; Lee, Hee-Seok; Park, Yooheon	2017	Perinatal exposure to low-dose imidacloprid causes ADHD-like symptoms: Evidences from an invertebrate model study	Food and Chemical Toxicology (2017), 110, 402-407	⑯b
567	Nai, Yu-Shin; Chen, Tsui-Yao; Chen, Yi-Cheng; Chen, Chun-Ting; Chen, Bor-Yann; Chen, Yue-Wen	2017	Revealing pesticide residues under high pesticide stress in Taiwans agricultural environment probed by fresh honey bee (Hymenoptera: Apidae) pollen	Journal of Economic Entomology (2017), 110(5), 1947-1958	⑰
568	Benton, Elizabeth P.; Grant, Jerome F.; Nichols, Rebecca J.; Webster, R. Jesse; Schwartz, John S.; Bailey, Joseph K.	2017	Risk assessment of imidacloprid use in forest settings on the aquatic macroinvertebrate community	Environmental Toxicology and Chemistry (2017) Ahead of Print	⑰
569	Nwogboduhu, N. G.	2017	Risk assessment of toxicity of agricultural pesticides to brine shrimp (Artemia salina).	Indian Journal of Ecology (2017) , Volume 44, Number 4, pp. 784-790, 25 refs. ISSN: 0304-5250 Published by: Indian Ecological Society, College of Agriculture, Ludhiana	⑯b
570	Meana, Aranzazu; Llorens-Picher, Miguel; Euba, Amaia; Bernal, Jose L.; Bernal, Jose; Garcia-Chao, Maria; Dagnac, Tierry; Castro-Hermida, Jose A.; Gonzaez-Porto, Amelia V.; Higes, Mariano; Martin-Hernandez, Raquel Meana, Aranzazu; Euba, Amaia Bernal, Jose	2017	Risk factors associated with honey bee colony loss in apiaries in Galicia, NW Spain	SPANISH JOURNAL OF AGRICULTURAL RESEARCH, (MAR 2017) Vol. 15, No. 1. ISSN: 1695-971X.	⑰
571	Jia, Haihong; Ma, Manli; Zhai, Na; Liu, Zhenguo; Wang, Hongfang; Guo, Xingqi; Xu, Baohua	2017	Roles of a mitochondrial AccSCO2 gene from Apis cerana cerana in oxidative stress responses	Journal of Inorganic Biochemistry (2017), 175, 9-19	⑱
572	Chevillot, Fanny; Convert, Yannice; Desrosiers, Melanie; Cadoret, Nicole; Veilleux, Eloise; Cabana, Hubert; Bellenger, Jean-Philippe	2017	Selective bioaccumulation of neonicotinoids and sub - lethal effects in the earthworm Eisenia andrei exposed to environmental concentrations in an artificial soil.; Selective bioaccumulation of neonicotinoids and sub-lethal effects in the earthworm Eisenia andrei exposed to environmental concentrations in an artificial soil.	Chemosphere, (2017) Vol. 186, pp. 839-847. Refs: 59 ISSN: 0045-6535; E-ISSN: 1879-1298 CODEN: CMSHAF	⑯b
573	Stecca, C. Dos S.; Silva, D. M. Da; Bueno, A. De F.; Pasini, A.; Denez, M. D.; Andrade, K.; De F. Bueno, A.; Da Silva, D. M.	2017	Selectivity of insecticides used in soybean crop to the predator Podisus nigrispinus (Hemiptera: Pentatomidae).	Semina: Ciencias Agrarias (Londrina) (2017), Volume 38, Number 6, pp. 3469-3480, 34 refs. ISSN: 1676-546X DOI: 10.5433/1679-0359.2017v38n6p3469 Published by: Universidade Estadual de Londrina, Londrina	⑯b

574	Qadir, Shazia; Chen, Xiwei; Wei, Wei; Feng, Fengqin; Sultan, Shahid; Kareem, Khalida; Iqbal, Furhan	2017	Short-and long-term exposure to imidacloprid disturbs the elemental composition and free amino acid profile in muscles of Labeo rohita	Comparative Clinical Pathology (2017), 26(6), 1339-1346	⑯b
575	Fiedler, Zaneta; Sosnowska, Danuta	2017	Side effects of fungicides and insecticides on entomopathogenic fungi in vitro.	Journal of Plant Protection Research, (2017) Vol. 57, No. 4, pp. 355-360. ISSN: 1427-4345. E-ISSN: 1899-007X.	⑯b
576	Cavallaro, Michael C.; Liber, Karsten; Headley, John V.; Peru, Kerry M.; Morrissey, Christy A.	2018	Community-level and phenological responses of emerging aquatic insects exposed to 3 neonicotinoid insecticides: An in situ wetland limnocorral approach	Environmental Toxicology and Chemistry (2018) Ahead of Print	⑱limnocorralを用いてユスリカ等への影響を調べている。
577	Kakati, Nilakshi; Dutta, P.; Das, P.; Nath, P. D.	2018	Compatibility of entomopathogenous fungi with commonly used insecticides for management of banana aphid transmitting Banana bunchy Top virus (BBTV) in Assam banana production system	International Journal of Current Microbiology and Applied Sciences (2018), 7(11), 2507-2513	⑯b
578	Karahan, A.; Kutlu, M. A.; Karaca, I.	2018	Determination of the effect of some pesticides on honey bees .	International Journal of Agriculture, Environment and Food Sciences (2018) , Volume 2, Number 3, pp. 104-108, 42 refs. ISSN: 2618-5946 Published by: Gultekin Ozdemir, Diyarbakir	製剤を実使用濃度に希釈後、2Mショ糖溶液に希釈して経口投与、ショ糖溶液中での有効成分濃度が不明なため、ミツバチ1頭当たりの有効成分量が不明。投与後の行動観察、24時間まで。LD50等報告されず。
579	Kang Zhi-Wei; Liu Fang-Hua; Pang Rui-Ping; Tian Hong-Gang; Liu Tong-Xian	2018	Effect of Sublethal Doses of Imidacloprid on the Biological Performance of Aphid Endoparasitoid Aphidius gifuensis (Hymenoptera: Aphidiidae) and Influence on Its Related Gene Expression.	Frontiers in physiology, (2018) Vol. 9, pp. 1729. Electronic Publication Date: 11 Dec 2018	⑯b
580	Telangre, Ah; Matre, Yb; Latpate, Cb; Zanwar, Pr	2018	Effect of neonicotinoids i.e acetamiprid 20 percent SP on foraging behaviour of honey bee on safflower (Carthamus tinctorius L.)	International Journal of Chemical Studies (2018), 6(5Pt.D), 185-188	適切に評価できる試験系で実施されていない
581	Matre, Yb; Telangre, Ah; Latpate, Cb; Zanwar, Pr	2018	Effect of neonicotinoids i.e. imidacloprid 17.8 percent SL on foraging behaviour of honey bee on safflower (Carthamus tinctorius L.)	International Journal of Chemical Studies (2018), 6(5Pt.A), 05-8	適切に評価できる試験系で実施されていない
582	Chowbay Munesh; Sirpaul, J.; Abdullah, A.; Munesh, C.	2018	Effects of alpha cypermethrin and Imidacloprid on soil bacteria in pot experiments of rice (Oryza sativa var. G 98-135) using soil collected from rice fields (Mahaica, Guyana).	Current Advances in Agricultural Sciences (2018), Volume 10, Number 1, pp. 10-18 ISSN: 0975-2315 DOI: 10.5958/2394-4471.2018.00001.1 Published by: C S Azad University of Agriculture and Technology, Kanpur	⑯b
583	Lee-Jenkins, Stacey S. Y.; Robinson, Stacey A.	2018	Effects of neonicotinoids on putative escape behavior of juvenile wood frogs (Lithobates sylvaticus) chronically exposed as tadpoles	Environmental Toxicology and Chemistry (2018) Ahead of Print	⑯b
584	Tong Zhou; Duan Jinsheng; Wu Yancan; Liu Qiongqiong; He Qibao; Shi Yanhong; Yu Linsheng; Cao Haiqun	2018	Evaluation of Highly Detectable Pesticides Sprayed in Brassica napus L.: Degradation Behavior and Risk Assessment for Honeybees .	Molecules (Basel, Switzerland), (2018 Sep 27) Vol. 23, No. 10. Electronic Publication Date: 27 Sep 2018	⑭
585	Padmaja, B.; Vivek, C. H.; Usha Rani, K.; Veeraiah, K.	2018	Evaluation of an acute oral gavage method for assessment of imidacloprid toxicity in terrestrial amphibian Hoplobatrachus tigerinus	European Journal of Biomedical and Pharmaceutical Sciences (2018), 5(7), 1-6	①

586	Sravanthi Guntupalli; Kalyanasundaram, M.; Guntupalli, S.	2018	Evaluation of toxicity of insecticides against Mallada boninensis (Okamato).	Indian Journal of Entomology (2018), Volume 80, Number 3, pp. 1153-1155, 19 refs. ISSN: 0367-8288 DOI: 10.5958/0974-8172.2018.00124.4 Published by: Entomological Society of India, New Delhi	⑯b
587	Valverde, Silvia; Ares, Ana Maria; Bernal, Jose Luis; Nozal, Maria Jesus; Bernal, Jose	2018	Fast determination of neonicotinoid insecticides in beeswax by ultra-high performance liquid chromatography-tandem mass spectrometry using an enhanced matrix removal-lipid sorbent for clean-up	Microchemical Journal (2018), 142, 70-77	⑤
588	Singh, Vinay; Sood, A. K.	2018	First record of Encarsia formosa Gahan, an aphelinid parasitoid of greenhouse whitefly from India and its dynamics on tomato grown under protected environment.	Journal of Biological Control, (MAR 2018) Vol. 32, No. 1, pp. 1-7. ISSN: 0971-930X. E-ISSN: 0970-5732.	⑯b
589	Bhavya Mishra; Singh, R. P.; Mishra, B.	2018	In vitro studies on the effect of insecticides on the growth of fungal pathogen Stemphylium vesicarium (Wallr.) Simmons.	International Journal of Bio-resource and Stress Management (2018) , Volume 9, Number 4, pp. 527-530, 11 refs. ISSN: 0976-3988 DOI: 10.23910/ijbsm/2018.9.4.1883 Published by: Puspa Publishing House, Kolkata	⑯b
590	Badawy, Mohamed H.; Ahmed, Nabila S.; Attia, Ahmed Morsi	2018	Sub - acute oral toxicity of Imidacloprid and Fipronil pesticide mixture in male albino rats ; biochemical and reproductive toxicity evaluation	Journal of Materials and Environmental Science (2018), 9(8), 2431-2437	⑯c
591	Jam, Neda Amini; Saber, Moosa	2018	Sublethal effects of imidacloprid and pymetrozine on the functional response of the aphid parasitoid, Lysiphlebus fabarum	Entomologia Generalis (1 Dec 2018) Volume 38, Number 2, pp. 173-190, 83 refs. CODEN: ENGND5 ISSN: 0171-8177 DOI: 10.1127/entomologia/2018/0734 Published by: E. Schweizerbartsche Verlagsbuchhandlung,	⑯b
592	Akoijam, Romila; Singh, Telem Ratan; Singh, Akoijam Somorjit; Singh, Bawinder; Gupta, V. K.	2018	The Degradation Capability of Bacillus alkalinitrilicus for Imidacloprid Bioremediation in Soil.	Pesticide Research Journal, (JUN 2018) Vol. 30, No. 1, pp. 37-44. ISSN: 0970-6763. E-ISSN: 2249-524X.	⑱
593	Rigosi, Elisa; Ocarroll, David C.	2018	The cholinergic pesticide imidacloprid impairs contrast and direction sensitivity in motion detecting neurons of an insect pollinator	bioRxiv, Neuroscience (2018) 1-28, 2018	⑱
594	Demirci, Oe.	2018	The evaluation of acute toxic effect of imidacloprid and acetamiprid on Gammarus kischineffensis (Amphipoda : Crustacea). Imidakloprit ve asetamipritin Gammarus kischineffensis (Amphipoda : Crustacea) uezerine akut toksik etkisinin degerlendirilmesi.	Journal of the Institute of Science and Technology (2018) , Volume 8, Number 3, pp. 85-92, many ref. ISSN: 2146-0574 Published by: Igdir University, Igdir	⑲
595	Chen Xuedong; Johnson, D. L.; Stark, J. D.; Kawchuk, L.; Jaronski, S.; Chen, X. D.	2018	Toxicity of biopesticide candidate Metarhizium anisopliae var anisopliae S54, neonicotinoid imidacloprid , neem extract (Azatin), and agricultural adjuvant R-11 on the Crustacean Ceriodaphnia dubia Richard.	Biopesticides International (2018) , Volume 14, Number 2, pp. 71-77, 34 refs. ISSN: 0973-483X Published by: Connect Journals, Ghaziabad	⑯b

596	Souza, E. P. De; Degrande, P. E.; Azambuja, R.; Silva, R. A. Da; Alves Junior, V. V.; De Souza, E. P.; Da Silva, R. A.	2018	Toxicity of insecticide-contaminated soil used in the treatment of cotton seeds to bees .	Journal of Agricultural Science (Toronto) (2018) , Volume 10, Number 10, pp. 189-196, 19 refs. ISSN: 1916-9752 DOI: 10.5539/jas.v10n10p189 Published by: Canadian Center of Science and Education, Toronto	⑱
597	Wanumen, A.; Dader, B.; Vinuela, E.; Medina, P.; Azpiazu, C.; Moreno, A.; Morales, I.; Adan, A.	2018	Toxicity of modern insecticides to predatory myrids. Toxicidad de modernos insecticidas en miridos depredadores. ?Son comparables los resultados entre especies y/o insecticidas?	Agricola Vergel: Fruticultura, Horticultura, Floricultura, Citricultura, Vid, Arroz (2018) , Number 408, pp. 76-79 ISSN: 0211-2728 Published by: Ediciones y Promociones L.A.V., Valencia	⑯b
598	Li, Yaofa; An, Jingjie; Dang, Zhihong; Lv, Haiying; Pan, Wenliang; Gao, Zhanlin	2018	Treating wheat seeds with neonicotinoid insecticides does not harm the rhizosphere microbial community.	PLoS ONE, (December 2018) Vol. 13, No. 12. arn. e0205200. Refs: 47 E-ISSN: 1932-6203 CODEN: POLNCL	⑱
599	Schenke Detlef; Wirtz Ina Patrizia; Lorenz Stefan; Pistorius Jens; Heimbach Udo	2018	Two-year field data on neonicotinoid concentrations in guttation drops of seed treated maize (Zea mays).	Data in brief, (2018 Dec) Vol. 21, pp. 299-306. Electronic Publication Date: 4 Oct 2018	⑱
600	Mohd Fawwaz, M. R.; Shahrem Md Ramli; Abdul Hafiz, A. M.	2018	Leaching of termiticides containing bifenthrin, fipronil and imidacloprid in different types of soils under laboratory conditions.	Malaysian Journal of Soil Science (2018), Volume 22, pp. 77-92, many ref. ISSN: 1394-7990 Published by: Malaysian Society of Soil Science, Selangor	⑱
601	Attademo, Andres Maximiliano; Tamburi, Nicolas Eduardo; Peltzer, Paola Mariela; Lajmanovich, Rafael Carlos; Martinuzzi, Candela	2018	Metabolic stress and shell thinning in Pomacea canaliculata (Caenogastropoda, ampullaridae) in rice agroecosystems of Argentina.	Current Trends in Immunology, (2018) Vol. 14, pp. 53-65. Refs: 75 ISSN: 0972-4567	④
602	Patel, H. Anjali; Shinde, C. U.; Hiral, N. Patel	2018	Relative toxicity of selected insecticides against ladybird beetle, Propylea sp. under laboratory conditions	International Journal of Current Microbiology and Applied Sciences (2018), 7(9), 640-644	⑯b
603	Feltrin-Campos, E.; Fernandes, M. G.; Masson, G. De L.; Correa, T. A.; Grigolli, J. F. J.; De L. Masson, G.	2018	Selectivity of insecticides against Telenomus podisi Ashmead (Hymenoptera: Platygastridae) on corn.	Journal of Agricultural Science (Toronto) (2018) , Volume 10, Number 12, pp. 185-191, 31 refs. ISSN: 1916-9752 DOI: 10.5539/jas.v10n12p185 Published by: Canadian Center of Science and Education, Toronto	⑯b
604	Salerno, Joseph; Bennett, Charles J.; Holman, Emily; Gillis, Patricia L.; Sibley, Paul K.; Prosser, Ryan S.	2018	Sensitivity of multiple life stages of 2 freshwater mussel species (Unionidae) to various pesticides detected in Ontario (Canada) surface waters	Environmental Toxicology and Chemistry (2018) Ahead of Print	⑯b
605	Muhammad Imran; Tayyaba Naseem; Arshad Iqbal; Khalid Mahmood; Sheikh, U. A. A.	2018	Assessment of sensitivity level of honeybee (Apis mellifera) to neonicotinoid insecticides.	Asian Journal of Agriculture and Biology (2018) , Volume 6, Number 3, pp. 327-334, 33 refs. ISSN: 2307-8553 Published by: Life Sciences Society of Pakistan, Islamabad	経口投与の試験系は成立するが、結果の評価でミツバチ1頭当たりの量が不明。接触はろ紙接触法で不適切
606	Curkovic, T.; Santibanez, D.; Araya, J. E.; Contreras, A.	2018	Attraction of Vespula germanica workers to protein baits mixed with insecticides.	Chilean Journal of Agricultural and Animal Sciences, ex Agro-Ciencia (2018) , Volume 34, Number 3, pp. 199-204, 32 refs. ISSN: 0719-3882 Published by: Ediciones Universidad de Concepcion, Chillan	ベイト剤の誘因効果
607	Manning, Rob Manning, Rob	2018	Chemical residues in beebread, honey, pollen and wax samples collected from bee hives placed on canola crops in Western Australia	JOURNAL OF APICULTURAL RESEARCH, (20 OCT 2018) Vol. 57, No. 5, pp. 696-708. ISSN: 0021-8839.	日本では登録されていない使用法。豪州の種子処理菜種圃場でのミツバチ生産物(ハチミツ等)への農薬の残留

608	Papadakis, Emmanouil-Nikolaos; Tsaboula, Aggeliki; Vryzas, Zisis; Kotopoulou, Athina; Kintzikoglou, Katerina; Papadopoulou-Mourkidou, Euphemia	2018	Pesticides in the rivers and streams of two river basins in northern Greece	Science of the Total Environment (2018), 624, 732-743	⑱
609	Tosi, Simone; Costa, Cecilia; Vesco, Umberto; Quaglia, Giancarlo; Guido, Giovanni	2018	A 3-year survey of Italian honey bee -collected pollen reveals widespread contamination by agricultural pesticides	Science of the Total Environment (2018), 615, 208-218	イタリアにおける花粉中農薬残留量モニタリング。イミダクロプリドは検出されているが、処理条件等不明。評価法は残留値をLD50で除しているのみ。
610	Afifa Amjad	2018	A review of imidacloprid toxicity in coccinellids	Arthropods, Vol. 7, No. 1, pp. 1-10, 20180301 E-ISSN: 2224-4255 Published by: International Academy of Ecology and Environmental Sciences (IAEES), Hong Kong	⑯b
611	Sousa, Joao C. G.; Ribeiro, Ana R.; Barbosa, Marta O.; Pereira, M. Fernando R.; Silva, Adrian M. T.	2018	A review on environmental monitoring of water organic pollutants identified by EU guidelines	Journal of Hazardous Materials (2018), 344, 146-162	⑰
612	Tong, Zhou; Duan, Jinsheng; Wu, Yancan; Liu, Qiongqiong; He, Qibao; Shi, Yanhong; Yu, Linsheng; Cao, Haiqun	2018	A survey of multiple pesticide residues in pollen and beebread collected in China	Science of the Total Environment (2018), 640-641, 1578-1586	⑰
613	Shahid, Naeem; Becker, Jeremias Martin; Krauss, Martin; Brack, Werner; Liess, Matthias	2018	Adaptation of Gammarus pulex to agricultural insecticide contamination in streams	Science of the Total Environment (2018), 621, 479-485	イミダクロプリドに関して、評価に用いられるエンドポイントが得られていない
614	Babic, Sanja; Barisic, Josip; Stipanicev, Drazenka; Repec, Sinisa; Lovric, Mario; Malev, Olga; Martinovic-Weigelt, Dalma; Coz-Rakovac, Rozelindra; Klobucar, Goran	2018	Assessment of river sediment toxicity: Combining empirical zebrafish embryotoxicity testing with in silico toxicity characterization	Science of the Total Environment (2018), 643, 435-450	⑱
615	Khan, A. A.; Shazia Riyaz; Riyaz, S.	2018	Bioefficacy of pesticides against green apple aphid Aphis pomi De Geer and biosafety to natural enemies in apple orchards.	Indian Journal of Entomology (2018), Volume 80, Number 2, pp. 315-319, 10 refs. ISSN: 0367-8288 DOI: 10.5958/0974-8172.2018.00049.4 Published by: Entomological Society of India, New Delhi	⑯b
616	Maloney, E. M.; Morrissey, C. A.; Headley, J. V.; Peru, K. M.; Liber, K.	2018	Can chronic exposure to imidacloprid , clothianidin, and thiamethoxam mixtures exert greater than additive toxicity in Chironomus dilutus?	Ecotoxicology and Environmental Safety (2018), 156, 354-365	⑱
617	Anderson, Brian S.; Phillips, Bryn M.; Voorhees, Jennifer P.; Deng, Xin; Geraci, Jeff; Worcester, Karen; Tjeerdema, Ron S.	2018	Changing patterns in water toxicity associated with current use pesticides in three California agriculture regions	Integrated Environmental Assessment and Management (2018), 14(2), 270-281	ユスリカ及びヨコエビの毒性試験を実施しているが、複数の農薬を含むサンプリング水を用いており、イミダクロプリドのみによる毒性を把握することは困難
618	Franco Da Silva, Micaele Aparecida; De Moura, Karina Elaine; De Moura, Kamila Ellen; Salomao, Denise; Alves Patricio, Flavia Rodrigues	2018	Compatibility of Trichoderma isolates with pesticides used in lettuce crop.	Summa Phytopathologica, (APR-JUN 2018) Vol. 44, No. 2, pp. 137-142.	⑯b
619	Sievers, Michael; Hale, Robin; Swearer, Stephen E.; Parris, Kirsten M.	2018	Contaminant mixtures interact to impair predator-avoidance behaviours and survival in a larval amphibian	Ecotoxicology and Environmental Safety (2018), 161, 482-488	⑯b

620	Muli, Elliud; Kilonzo, Joseph; Dogley, Norman; Monthy, Gerald; Kurgat, Justus; Irungu, Janet; Raina, Suresh	2018	Detection of Pesticide Residues in Selected Bee Products of Honeybees (Apis melllifera L.) Colonies in a Preliminary Study from Seychelles Archipelago.	Bulletin of Environmental Contamination and Toxicology, (OCT 2018) Vol. 101, No. 4, pp. 451-457.	⑰
621	Aqsa Sattar; Iqra Azam; Sarwar, M. K.; Afifa Amjad; Malik, M. F.	2018	Effect of insecticides on Coccinella septempunctata (Coleoptera; Coccinellidae); a review.	Asian Journal of Agriculture and Biology (2018) , Volume 6, Number 1, pp. 125-134, many ref. ISSN: 2307-8553 Published by: Life Sciences Society of Pakistan, Islamabad	⑯b
622	Lyons, M.; Mackeigan, K.; Fairchild, W. L.; Burridge, L. E.	2018	Effects of 4-nonylphenol and formulations of five pesticides: cypermethrin, deltamethrin, glyphosate, imidacloprid and mancozeb on growth of Atlantic salmon (Salmo salar L.) during parr-smolt transformation.	Canadian Technical Report of Fisheries and Aquatic Sciences, (2018) Vol. 3265, pp. 1-42,V.	⑭
623	Sposito, Juliana C. V.; Montagner, Cassiana C.; Casado, Marta; Navarro-Martin, Laia; Jut Solorzano, Julio Cesar; Pina, Benjamin; Grisolia, Alexeia B.	2018	Emerging contaminants in Brazilian rivers: Occurrence and effects on gene expression in zebrafish (Danio rerio) embryos	Chemosphere (2018), 209, 696-704	⑱
624	Misra, H. P.; Sahu, G. S.	2018	Field efficacy of Tolfenpyrad 15 EC against thrips, Thrips palmi Karny on cucumber.	Annals of Plant Protection Sciences (2018) , Volume 26, Number 1, pp. 21-24, 9 refs. ISSN: 0971-3573 DOI: 10.5958/0974-0163.2018.00005.8 Published by: Society of Plant Protection Sciences, New Delhi	⑯b
625	Debashis Roy; Sarkar, P. K.; Sukamal Sarkar; Roy, D.; Sarkar, S.	2018	Field efficacy, non-target toxicity and economics of novel systemic molecules against Lipaphis erysimi and its seasonal incidence in mustard.	Indian Journal of Entomology (2018), Volume 80, Number 2, pp. 217-225, 26 refs. ISSN: 0367-8288 DOI: 10.5958/0974-8172.2018.00036.6 Published by: Entomological Society of India, New Delhi	⑯b
626	Shinde, Cu; Radadia, Gg	2018	Field-persistent toxicity of various insecticides against potent predator, Cheilomenes sexmaculata (F.)	International Journal of Chemical Studies (2018), 6(1Pt.B), 87-91	⑯b
627	Nayak, Sudhanshu Bala; Seni, Atanu; Vinay, Bk	2018	Genetic improvement of egg parasitoid Trichogramma chilonis (Hymenoptera: Trichogrammatidae) by artificial selection	International Journal of Chemical Studies (2018), 6(2Pt.AK), 1-4	⑯b
628	Morrison Lucas M; Renaud Justin B; Sabourin Lyne; Sumarah Mark W; Yeung Ken K C; Lapen David R	2018	High-Throughput Quantitation of Neonicotinoids in Lyophilized Surface Water by LC-APCI-MS/MS.	Journal of AOAC International, (2018 May 21) . Electronic Publication Date: 21 May 2018	⑤
629	Sappington, James D.	2018	Imidacloprid alters ant sociobehavioral traits at environmentally relevant concentrations	Ecotoxicology (2018) Ahead of Print	⑯b
630	Mohammed, Abd Allah A. H.; Desneux, Nicolas; Fan, Yinjun; Han, Peng; Ali, Abid; Song, Dunlun; Gao, Xi-Wu	2018	Impact of imidacloprid and natural enemies on cereal aphids: Integration or ecosystem service disruption?.	Entomologia Generalis, (2018) Vol. 37, No. 1, pp. 47-61. ISSN: 0171-8177. E-ISSN: 2363-7102.	⑯b
631	Mengoni Gonalons Carolina; Farina Walter M	2018	Impaired associative learning after chronic exposure to pesticides in young adult honey bees .	The Journal of experimental biology, (2018 Apr 11) Vol. 221, No. Pt 7. Electronic Publication Date: 11 Apr 2018	⑱
632	Shakeel, Muhammad; Riaz, Muhammad; Wang, Yong	2018	In vitro analysis of toxic potential of systemic and contact insecticides on Phenacoccus solenopsis and its parasitoid Aenasius species	International Journal of Biosciences (2018), 12(4), 151-157	⑯b

633	Challis, Jonathan K.; Cuscito, Leah D.; Joudan, Shira; Luong, Kim H.; Knapp, Charles W.; Hanson, Mark L.; Wong, Charles S.	2018	Inputs, source apportionment, and transboundary transport of pesticides and other polar organic contaminants along the lower Red River, Manitoba, Canada	Science of the Total Environment (2018), 635, 803-816	⑰
634	Munz, Nicole A.; Fu, Qiuguo; Stamm, Christian; Hollender, Juliane	2018	Internal Concentrations in Gammarids Reveal Increased Risk of Organic Micropollutants in Wastewater-Impacted Streams	Environmental Science and Technology (2018), 52(18), 10347-10358	⑱(複数の物質の水中モニタリングとヨコエビ類での濃縮)
635	Barbosa, Marta O.; Ribeiro, Ana R.; Ratola, Nuno; Hain, Ethan; Homem, Vera; Pereira, M. Fernando R.; Blaney, Lee; Silva, Adrian M. T.	2018	Spatial and seasonal occurrence of micropollutants in four Portuguese rivers and a case study for fluorescence excitation-emission matrices	Science of the Total Environment (2018), 644, 1128-1140	⑰
636	Tarek, H.; Hamiduzzaman, M. M.; Morfin, N.; Guzman-Novoa, E.	2018	Sub - lethal doses of neonicotinoid and carbamate insecticides reduce the lifespan and alter the expression of immune health and detoxification related genes of honey bees (Apis mellifera).	Genetics and Molecular Research (2018) , Volume 17, Number 2, 16039908 p., many ref. ISSN: 1676-5680 DOI: 10.4238/gmr16039908 Published by: FUNPEC	LD5相当量を投与した場合の影響を調査しており、評価に用いられるエンドポイント(死亡)が得られていない
637	Menon, Manjula; Mohanraj, R.	2018	Toxicity of Neonicotinoid Pesticide Imidacloprid and Impediment of Ecosystem Services.	Russian Agricultural Sciences, (MAR 2018) Vol. 44, No. 2, pp. 171-176. ISSN: 1068-3674. E-ISSN: 1934-8037.	⑨
638	Zantedeschi, Ronaldo; Rakes, Matheus; Pasini, Rafael Antonio; Araujo, Mikael Bolke; Bueno, Flavio Amaral; Grutzmacher, Anderson Dionei	2018	Toxicity of soybean-registered agrochemicals to Telenomus podisi and Trissolcus basalis immature stages	Phytoparasitica (2018), 46(2), 203-212	⑯b
639	Kudlek, Edyta	2018	Toxicological analysis of water mixtures of organic micropollutants subjected to UV irradiation	E3S Web of Conferences, Vol. 44, 20180101 E-ISSN: 2267-1242 DOI: 10.1051/e3sconf/20184400084 Published by: EDP Sciences, Les Ulis	⑱
640	Bridi, Raquel; Larena, Arturo; Pizarro, Paula Nunez; Giordano, Ady; Montenegro, Gloria	2018	LC-MS/MS analysis of neonicotinoid insecticides: residue findings in chilean honeys	Ciencia e Agrotecnologia (2018), 42(1), 51-57	⑰
641	Whitehorn, Penelope R.; Norville, George; Gilburn, Andre; Goulson, Dave	2018	Larval exposure to the neonicotinoid imidacloprid impacts adult size in the farmland butterfly Pieris brassicae	PeerJ (2018) e4772/1-e4772/15	⑯b
642	Perez-Aguilar, Daniel Alberto; Soares, Marianne Araujo; Passos, Luis Clepf; Martinez, Ana Mabel; Pineda, Samuel; Carvalho, Geraldo Andrade	2018	Lethal and sublethal effects of insecticides on Engytatus varians (Heteroptera: Miridae), a predator of Tuta absoluta (Lepidoptera: Gelechiidae)	Ecotoxicology (2018), 27(6), 719-728	⑯b
643	Morales, Sinue I.; Martinez, Ana M.; Vinuela, Elisa; Chavarrieta, Juan M.; Figueroa, Jose I.; Schneider, Marcela I.; Tamayo, Fernando; Pineda, Samuel	2018	Lethal and sublethal effects on Tamarixia triozae (Hymenoptera: Eulophidae), an ectoparasitoid of Bactericera cockerelli (Hemiptera: Triozidae), of three insecticides used on solanaceous crops	Journal of Economic Entomology (2018), 111(3), 1048-1055	⑯b
644	Macdonald Amanda M; Jardine Claire M; Thomas Philippe J; Nemeth Nicole M	2018	Neonicotinoid detection in wild turkeys (Meleagris gallopavo silvestris) in Ontario, Canada.	Environmental science and pollution research international, (2018 Apr 27) . Electronic Publication Date: 27 Apr 2018	⑰
645	Maloney, E. M.; Liber, K.; Headley, J. V.; Peru, K. M.; Morrissey, C. A.	2018	Neonicotinoid insecticide mixtures: Evaluation of laboratory-based toxicity predictions under semi-controlled field conditions	Environmental Pollution (Oxford, United Kingdom) (2018), 243(Part_B), 1727-1739	⑱
646	Codling, Garry; Naggar, Yahya Al; Giesy, John P.; Robertson, Albert J.	2018	Neonicotinoid insecticides in pollen, honey and adult bees in colonies of the European honey bee (Apis mellifera L.) in Egypt	Ecotoxicology (2018), 27(2), 122-131	⑰

647	Demares, Fabien J.; Pirk, Christian W. W.; Nicolson, Susan W.; Human, Hannelie	2018	Neonicotinoids decrease sucrose responsiveness of honey bees at first contact	Journal of Insect Physiology (2018), 108, 25-30	日本の評価に用いられるエンドポイント(死亡)が得られていない
648	Shahid, Naeem; Becker, Jeremias Martin; Krauss, Martin; Brack, Werner; Liess, Matthias	2018	Pesticide Body Burden of the Crustacean Gammarus pulex as a Measure of Toxic Pressure in Agricultural Streams	Environmental Science and Technology (2018), 52(14), 7823-7832	⑱
649	Beyer, Marco; Lenouvel, Audrey; Guignard, Cedric; Eickermann, Michael; Clermont, Antoine; Kraus, Francois; Hoffmann, Lucien	2018	Pesticide residue profiles in bee bread and pollen samples and the survival of honeybee colonies-a case study from Luxembourg	Environmental Science and Pollution Research (2018) Ahead of Print	⑰
650	Gooley Zuyi C; Gooley Aaron C; Fell Richard D	2018	Relationship of Landscape Type on Neonicotinoid Insecticide Exposure Risks to Honey Bee Colonies: A Statewide Survey.	Journal of economic entomology, (2018 Sep 25) . Electronic Publication Date: 25 Sep 2018	⑰
651	Bhojani, D. V.; Desai, H. R.; Shinde, C. U.; Bhanderi, G. R.	2018	Relative toxicity of commonly used insecticides and combination products in cotton ecosystem to Chrysoperla zastrowi sillemi (Esben-Peterson) under laboratory condition	International Journal of Current Microbiology and Applied Sciences (2018), 7(1), 1-11	⑯b
652	Sanghani, Nirali J.; Bhanderi, G. R.; Desai, H. R.	2018	Relative toxicity of commonly used pesticides to different stages of predator Cheilomenes sexmaculata (Fabricius) in cotton.	Entomon, (MAR 2018) Vol. 43, No. 1, pp. 67-70.	⑯b
653	Bonneris Emmanuelle; Gao Zhenglei; Prosser Amanda; Barfknecht Ralf	2018	Selecting appropriate focal species for assessing the risk to birds from newly drilled pesticide-treated winter cereal fields in France.	Integrated environmental assessment and management, (2018 Dec 04) . Electronic Publication Date: 4 Dec 2018	⑱(イミダクロプリド処理圃場における鳥のサーベイ)
654	Valente, Ellen Carine Neves; Broglio, Sonia Maria Forti; Da Silva Dias-Pini, Nivia; Micheletti, Ligia Broglio; De Lima, Andre Sueldo Tavares; Barbosa, Tiago	2018	Selectivity of Pesticides to Egg Parasitoid in Sugarcane	Sugar Tech (2018) Ahead of Print	⑯b
655	Muslim, Mohammad; Ansari, M. Shafiq; Hasan, Fazil	2018	Non-target toxicity of synthetic insecticides on the biological performance and population growth of Bracon hebetor Say	Ecotoxicology (2018), 27(7), 1019-1031	⑯b
656	Goulson, Dave; Thompson, Jack; Croombs, Amy	2018	Rapid rise in toxic load for bees revealed by analysis of pesticide use in Great Britain	PeerJ PrePrints, 20180415 E-ISSN: 2167-9843 DOI: 10.7287/peerj.preprints.26856v1 Published by: PeerJ, Inc., San Diego	⑨
657	Martinez-Ferrer, Maria Teresa; Campos-Rivela, Jose Miguel; Hernando-Guil, Maria Dolores; Garcia-Valcarcel, Ana Isabel	2019	Evaluation of residue levels of imidacloprid and thiamethoxam after foliar application to the citrus varieties lane late, valencia late, rohde summer, and nules	Journal of Economic Entomology (2019), 112(6), 2676-2685	かんきつの開花前に散布して花粉、花蜜の残留を調べているが、日本の代表的な使用方法／使用条件における評価に活用できない。
658	Bartlett, Adrienne J.; Hedges, Amanda M.; Intini, Kyna D.; Brown, Lisa R.; Maisonneuve, France J.; Robinson, Stacey A.; Gillis, Patricia L.; De Solla, Shane R.	2019	Acute and chronic toxicity of neonicotinoid and butenolide insecticides to the freshwater amphipod, Hyalella azteca	Ecotoxicology and Environmental Safety (2019), 175, 215-223	ヨコエビの急性及び慢性試験であるが、急性試験が7日間で行われており、ガイドラインの4日間の試験期間と異なる。試験温度が25℃であり、ガイドラインの18～23℃を外れているが、対照群の死亡率は妥当性基準を満たしている。

659	Hano, Takeshi; Ito, Katsutoshi; Ohkubo, Nobuyuki; Sakaji, Hideo; Watanabe, Akio; Takashima, Kei; Sato, Taku; Sugaya, Takuma; Matsuki, Kosuke; Onduka, Toshimitsu; Ito, Mana; Somiya, Rei; Mochida, Kazuhiko	2019	Occurrence of neonicotinoids and fipronil in estuaries and their potential risks to aquatic invertebrates	Environmental Pollution (Oxford, United Kingdom) (2019), 252(Part_A), 205-215	甲殻類への影響を調べているが、試験種が適切ではない。
660	Yadav, Deependra Singh; Ranade, Yogita; Mhaske, Sagar; Ghule, Shashikant	2019	Compatibility of insecticides with Metarhizium brunneum (Petch) and Beauveria bassiana (Bals.) for bio-intensive management of pink mealybug, Maconellicoccus hirsutus (Green) in grapes	Journal of Biological Control (2019), 33(3), 253-263	⑯b
661	Cook Steven C	2019	Compound and Dose-Dependent Effects of Two Neonicotinoid Pesticides on Honey Bee (Apis mellifera) Metabolic Physiology.	Insects, (2019 Jan 08) Vol. 10, No. 1. Electronic Publication Date: 8 Jan 2019	⑱(セイヨウミツバチの生理学液状態への影響) 用量設定段階不足
662	Dupraz, Valentin; Stachowski-Haberkorn, Sabine; Wicquart, Jeremy; Tapie, Nathalie; Budzinski, Helene; Akcha, Farida	2019	Demonstrating the need for chemical exposure characterisation in a microplate test system: toxicity screening of sixteen pesticides on two marine microalgae	Chemosphere (2019), 221, 278-291	⑯b
663	Machete, M.; Shadung, J. M.	2019	Detection of selected agricultural pesticides in river and tap water in Letsitele, Lomati and Vals-Renoster catchments, South Africa.	Water SA (Pretoria), (OCT 2019) Vol. 45, No. 4, pp. 716-720.	海外モニタリングであり、日本における評価に利用できない。
664	Bhattacherjee, A. K.; Shukla, P. K.; Abhay Dikshit; Dikshit, A.	2019	Dissipation of imidacloprid residues in mango orchard soil quantified by HPLC.	Journal of Eco-friendly Agriculture (2019), Volume 14, Number 2, pp. 50-53, 21 refs. ISSN: 2229-628X Published by: Doctors Agricultural and Horticultural Development Society, Luknow	日本の代表的な使用方法／使用条件における評価に活用できない文献（ほ場条件、土性等）
665	Muhammad Imran; Sheikh, U. A. A.; Nasir, M.; Ghaffar, M. A.; Ansa Tamkeen; Iqbal, M. A.	2019	Do neonicotinoid insecticides impaired olfactory learning behavior in Apis mellifera?.	International Journal of Industrial Entomology (2019), Volume 38, Number 1, pp. 1-5, 26 refs. ISSN: 1598-3579 DOI: 10.7852/ijie.2019.38.1.1 Published by: Korean Society of Sericultural Science, Suwon	⑱
666	Chen, Yuanchen; Zang, Lu; Liu, Maodian; Zhang, Chunlong; Shen, Guofeng; Du, Wei; Sun, Zhe; Fei, Jie; Yang, Liyang; Wang, Yonghui; Wang, Xuejun; Zhao, Meirong	2019	Ecological risk assessment of the increasing use of the neonicotinoid insecticides along the east coast of China	Environment International (2019), 127, 550-557	⑱
667	Feng, Wen-Bin; Bong, Lee-Jin; Dai, Shu-Mei; Neoh, Kok-Boon	2019	Effect of imidacloprid exposure on life history traits in the agricultural generalist predator Paederus beetle: Lack of fitness cost but strong hormetic effect and skewed sex ratio	Ecotoxicology and Environmental Safety (2019), 174, 390-400	⑯b
668	Manva, F. S.; Patel, H. K.; Vyas, R. V.	2019	Effect of insecticides, fungicides and herbicides on biofertilizer bacteria and their consortium	International Journal of Current Microbiology and Applied Sciences (2019), 8(6), 691-699	⑯b
669	Afza, Rahat; Afzal, Muhammad; Majeed, Muhammad Zeeshan; Riaz, Muhammad Asam	2019	Effect of intra-guild predation and sub lethal concentrations of insecticides on the predation of coccinellids	Pakistan Journal of Zoology (2019), 51(2), 611-617	⑯b
670	Berheim, Elise Hughes; Jenks, Jonathan A.; Lundgren, Jonathan G.; Michel, Eric S.; Grove, Daniel; Jensen, William F.	2019	Effects of Neonicotinoid Insecticides on Physiology and Reproductive Characteristics of Captive Female and Fawn White-tailed Deer.	Scientific Reports, (MAR 14 2019) Vol. 9, pp. Article No.: 4534. E-ISSN: 2045-2322.	⑯b
671	Lima-Fernandes, Eva; Bundschuh, Mirco; Bakanov, Nikita; Englert, Dominic; Schulz, Ralf; Schaefer, Ralf B.	2019	Effects of a Systemic Pesticide Along an Aquatic Tri-Trophic Food Chain	Bulletin of Environmental Contamination and Toxicology (2019), 103(4), 507-514	⑱

672	Ramos, G. S.; Paulo, P. D. De; Toledo, P. F. S.; Haddi, K.; Zanuncio, J. C.; Oliveira, E. E.; De Paulo, P. D. Editor(S): Oliveira, E. E.	2019	Effects of imidacloprid-sodium chloride association on survival and reproduction of the stink bug Podisus nigrispinus. 50 years special edition.	Revista de Ciencias Agricolas (2019), Volume 36, Number E, pp. 71-81, 41 refs. ISSN: 0120-0135 DOI: 10.22267/rcia.1936E.108 Published by: University of Narino, Faculty of Agricultural Sciences, Narino	⑯b
673	Waite, Ian R.; Munn, Mark D.; Moran, Patrick W.; Konrad, Chris P.; Nowell, Lisa H.; Meador, Mike R.; Van Metre, Peter C.; Carlisle, Daren M.	2019	Effects of urban multi-stressors on three stream biotic assemblages	Science of the Total Environment (2019), 660, 1472-1485	⑯b
674	Matic Bujagic, Ivana; Grujic, Svetlana; Lausevic, Mila; Hofmann, Thilo; Micic, Vesna	2019	Emerging contaminants in sediment core from the Iron Gate I Reservoir on the Danube River.	Science of the Total Environment, (20 April 2019) Vol. 662, pp. 77-87. Refs: 72 ISSN: 0048-9697; E-ISSN: 1879-1026 CODEN: STEVA8	適切に評価できる試験系で実施されていない
675	Tamoghna Saha; Randhir Kumar; Nithya Chandran; Saha, T.; Kumar, R.; Chandran, N.	2019	Evaluation of new alternatives to neonicotinoid insecticides against sucking insect pests of okra.	Annals of Plant Protection Sciences (2019) , Volume 27, Number 3, pp. 338-341 ISSN: 0971-3573 DOI: 10.5958/0974-0163.2019.00074.0 Published by: Society of Plant Protection Sciences, New Delhi	④
676	Kuechle, Kyle J.; Webb, Elisabeth B.; Mengel, Doreen; Main, Anson R.	2019	Factors Influencing Neonicotinoid Insecticide Concentrations in Floodplain Wetland Sediments across Missouri	Environmental Science and Technology (2019), 53(18), 10591-10600	⑱
677	Hunn, Julia G.; Macaulay, Samuel J.; Matthaei, Christoph D.	2019	Food shortage amplifies negative sublethal impacts of low-level exposure to the neonicotinoid insecticide imidacloprid on stream mayfly nymphs	Water (Basel, Switzerland) (2019), 11(10), 2142	⑯b
678	Rico, Andreu; Arenas-Sanchez, Alba; Alonso-Alonso, Covadonga; Lopez-Heras, Isabel; Nozal, Leonor; Rivas-Tabares, David; Vighi, Marco	2019	Identification of contaminants of concern in the upper Tagus river basin (central Spain). Part 1: Screening, quantitative analysis and comparison of sampling methods	Science of the Total Environment (2019), 666, 1058-1070	⑱
679	Arenas-Sanchez, Alba; Rico, Andreu; Rivas-Tabares, David; Blanco, Alberto; Garcia-Doncel, Patricia; Romero-Salas, Amaya; Nozal, Leonor; Vighi, Marco	2019	Identification of contaminants of concern in the upper Tagus river basin (central Spain). Part 2: Spatio-temporal analysis and ecological risk assessment	Science of the Total Environment (2019), 667, 222-233	⑱
680	Nelson, Peter N.; Burrack, Hannah J.; Sorenson, Clyde E.	2019	Imidacloprid is compatible with control provided by the predator Jalysus wickhami Van Duzee (Hemiptera: Berytidae) in flue-cured tobacco (Nicotiana tabacum L.)	Crop Protection (2019), 118, 15-20	⑯b
681	Resende-Silva, Geverson A.; Turchen, Leonardo M.; Guedes, Raul Narciso C.; Cutler, G. Christopher	2019	Imidacloprid soil drenches affect weight and functional response of spined soldier bug (Hemiptera: Pentatomidae)	Journal of Economic Entomology (2019), 112(2), 558-564	⑯b
682	Binu, V.; Bhede, B. V.	2019	Impact of repeated application of synthetic insecticides on thrips and their natural enemies of Bt cotton	International Journal of Current Microbiology and Applied Sciences (2019), 8(8), 277-289	⑯b
683	Abhijit Ghosal; Anusweta Hati; Ghosal, A.; Hati, A.	2019	Impact of some new generation insecticides on soil arthropods in rice maize cropping system.	Journal of Basic and Applied Zoology (2019), Volume 80, Number 6, (1 February 2019) p., 43 refs. ISSN: 2090-990X DOI: 10.1186/s41936-019-0077-3 Published by: SpringerOpen, London	⑯b

684	Shahid, Mohammad; Zaidi, Almas; Ehtram, Aquib; Khan, Mohammad Saghir	2019	In vitro investigation to explore the toxicity of different groups of pesticides for an agronomically important rhizosphere isolate Azotobacter vinelandii	Pesticide Biochemistry and Physiology (2019) Ahead of Print	⑯b
685	Soomro, Q. A.; Sultana, R.; Muhammad, R.; Sohail, M.; Khuhro, N. H.	2019	In-vitro study of sub - lethal effect of new chemistry insecticides on the adult Chrysoperla carnea (Stephens).	Pakistan Journal of Agriculture, Agricultural Engineering, Veterinary Sciences (2019) , Volume 35, Number 1, pp. 29-33, 17 refs. ISSN: 1023-1072 Published by: Sindh Agriculture University, Tandojam	⑯b
686	Wolfram, Jakob; Stehle, Sebastian; Bub, Sascha; Petschick, Lara L.; Schulz, Ralf	2019	Insecticide Risk in US Surface Waters : Drivers and Spatiotemporal Modeling	Environmental Science and Technology (2019), 53(20), 12071-12080	⑱
687	Coslor, Charles C.; Vandervoort, Christine; Wise, John C.	2019	Insecticide dose and seasonal timing of trunk injection in apples influence efficacy and residues in nectar and plant parts	Pest Management Science (2019) Ahead of Print	⑯c
688	Sutthisa, W.; Soparut, P.; Waraporn Sutthisa; Pornpirun Soparut	2019	Interaction of antagonistic bacteria that effective to control rice bacterial leaf blight disease with agricultural chemicals and bio-products.	Journal of Pure and Applied Microbiology (2019) , Volume 13, Number 3, pp. 1517-1524, 18 refs. ISSN: 0973-7510 DOI: 10.22207/JPAM.13.3.23 Published by: Dr. M N Khan, Bhopal	⑱
689	Wang, Zhiwei; Chen, Junhui; Zhan, Tianrong; He, Xiuping; Wang, Baodong	2019	Simultaneous determination of eight neonicotinoid insecticides, fipronil and its three transformation products in sediments by continuous solvent extraction coupled with liquid chromatography-tandem mass spectrometry	Ecotoxicology and Environmental Safety (2019) Ahead of Print	⑤
690	Purkait, Aloke; Hazra, Dipak Kumar; Biswas, Pabitra Kumar; Chowdhury, Ashim	2019	Studies the effects of Imidacloprid on enzymatic activities in clay loam soil	International Journal of Trend in Scientific Research and Development (2019), 3(2), IJTSRD21406	⑱
691	Chambers, Robert G.; Chatzimichael, Konstantinos; Tzouvelekas, Vangelis	2019	Sub-lethal concentrations of neonicotinoid insecticides at the field level affect negatively honey yield: Evidence from a 6-year survey of Greek apiaries	PLoS One (2019), 14(4), e0215363	⑱
692	Welch, Eric M.; Dulai, Henrietta; El-Kadi, Aly; Shuler, Christopher K.	2019	Submarine Groundwater Discharge and Stream Baseflow Sustain Pesticide and Nutrient Fluxes in Fagaalu Bay, American Samoa.	Frontiers in Environmental Science, (OCT 17 2019) Vol. 7, pp. Article No.: 162. E-ISSN: 2296-665X.	⑱
693	Batikian, Christine M.; Lu, Ally; Watanabe, Kayo; Pitt, Jerome; Gersberg, Richard M.	2019	Temporal pattern in levels of the neonicotinoid insecticide, imidacloprid , in an urban stream	Chemosphere (2019), 223, 83-90	⑱
694	Montagner, Cassiana C.; Sodre, Fernando F.; Acayaba, Raphael D.; Vidal, Cristiane; Campestrini, Iolana; Locatelli, Marco A.; Pescara, Igor C.; Albuquerque, Anjaina F.; Umbuzeiro, Gisela A.; Jardim, Wilson F.	2019	Ten years-snapshot of the occurrence of emerging contaminants in drinking, surface and ground waters and wastewaters from S~ao Paulo state, Brazil	Journal of the Brazilian Chemical Society (2019), 30(3), 614-632	⑱
695	Gusmaroli, Lucia; Buttiglieri, Gianluigi; Petrovic, Mira	2019	The EU watch list compounds in the ebro delta region: Assessment of sources, river transport, and seasonal variations	Environmental Pollution (Oxford, United Kingdom) (2019), 253, 606-615	⑱
696	Glinushkin, A. P.; Yakovleva, I. N.; Meshkov, Yu I	2019	The Impact of Pesticides Used in Greenhouses on the Predatory Mite Neoseiulus californicus (Parasitiformes, Phytoseiidae).	Russian Agricultural Sciences, (JUL 2019) Vol. 45, No. 4, pp. 356-359. ISSN: 1068-3674. E-ISSN: 1934-8037.	⑯b

697	Ham, Eun Hye; Lee, Jun Seok; Jang, Mi Yeon; Park, Jong Kyun	2019	Toxic effects of 12 pesticides on green lacewing, Chrysoperla nipponensis (Okamoto) (Neuroptera: Chrysopidae)	Entomological Research (2019), 49(7), 305-312	⑯b
698	Kumar Anoop; Singh, N. N.; Mishra, V. K.; Anoop, K.	2019	Toxicity of insecticides to egg parasitoid, Trichogramma chilonis Ishii under laboratory and semi-field conditions.	Annals of Plant Protection Sciences (2019) , Volume 27, Number 1, pp. 24-27 ISSN: 0971-3573 DOI: 10.5958/0974-0163.2019.00005.3 Published by: Society of Plant Protection Sciences, New Delhi	⑯b
699	Bean, Thomas G.; Gross, Michael S.; Karouna-Renier, Natalie K.; Henry, Paula F. P.; Schultz, Sandra L.; Hladik, Michelle L.; Kuivila, Kathryn M.; Rattner, Barnett A.	2019	Toxicokinetics of Imidacloprid -Coated Wheat Seeds in Japanese Quail (Coturnix japonica) and an Evaluation of Hazard	Environmental Science and Technology (2019) Ahead of Print	⑱
700	Kohl, Kristina L; Harrell, Lauren K; Mudge, Joseph F; Seenivasan Subbiah; Kasumba, John; Osma, Etem; Barman, Apurba K; Anderson, Todd A	2019	Tracking neonicotinoids following their use as cotton seed treatments	PeerJ, 20190419 E-ISSN: 2167-8359 DOI: 10.7717/peerj.6805 Published by: PeerJ, Inc., San Diego	⑱
701	Wang, Yinghuan; Xu, Peng; Chang, Jing; Li, Wei; Yang, Lu; Tian, Haoting	2019	Unraveling the toxic effects of neonicotinoid insecticides on the thyroid endocrine system of lizards	Environmental Pollution (Oxford, United Kingdom) (2019) Ahead of Print	⑯b
702	Montiel-Leon, Juan Manuel; Munoz, Gabriel; Vo Duy, Sung; Do, Dat Tien; Vaudreuil, Marc-Antoine; Goeury, Ken; Guillemette, Francois; Amyot, Marc; Sauve, Sebastien	2019	Widespread occurrence and spatial distribution of glyphosate, atrazine, and neonicotinoids pesticides in the St. Lawrence and tributary rivers	Environmental Pollution (Oxford, United Kingdom) (2019), 250, 29-39	⑱
703	Derbalah A; Sunday M; Chidya R; Jadoon W; Sakugawa H	2019	Kinetics of photocatalytic removal of imidacloprid from water by advanced oxidation processes with respect to nanotechnology.	Journal of water and health, (2019 Apr) Vol. 17, No. 2, pp. 254-265.	⑱
704	Isabel Ahumada, M.; Chorbadjian, Rodrigo A. Isabel Ahumada, M.; Chorbadjian, Rodrigo A.	2019	Laboratory assays of the insecticidal activity of cyantraniliprole and imidacloprid on Brevicoryne brassicae, Myzus persicae (Hemiptera: Aphididae) and Trialeurodes vaporariorum (Hemiptera: Aleyrodidae) pests species and a biological control agent Chrysoperla defreitasi (Neuroptera: Chrysopidae)	CHILEAN JOURNAL OF AGRICULTURAL RESEARCH, (OCT-DEC 2019) Vol. 79, No. 4, pp. 658-663. ISSN: 0718-5839.	⑱
705	Saber, Moosa; Vojoudi, Samad; Parsaeyan, Ehsan; Ahmadi, Akram	2019	Lethal and sublethal effects of propargite, benomyl, haloxyfop etotyl, imidacloprid and chlorpyrifos on life table parameters of egg parasitoid, Trichogramma brassicae (Hym.; Trichogrammatidae).	Journal of Entomological Society of Iran, (SUM 2019) Vol. 39, No. 2, pp. 110-123. E-ISSN: 0259-9996.	⑯b
706	Muth Felicity; Francis Jacob S; Leonard Anne S	2019	Modality-specific impairment of learning by a neonicotinoid pesticide.	Biology letters, (2019 Jul 26) Vol. 15, No. 7, pp. 20190359. Electronic Publication Date: 31 Jul 2019	⑯b
707	Kailani, Mohammed H.; Al-Antary, Tawfiq M.; Alawi, Mahmoud A.	2019	Monitoring of pesticides residues in soil samples from the southern districts of Jordan in 2016/2017	Toxin Reviews (2019) Ahead of Print	⑱
708	Quintana, Jordi; De La Cal, Agustina; Boleda, M. Rosa	2019	Monitoring the complex occurrence of pesticides in the Llobregat basin, natural and drinking waters in Barcelona metropolitan area (Catalonia, NE Spain) by a validated multi-residue online analytical method	Science of the Total Environment (2019), 692, 952-965	⑱

709	Mejias, Enrique; Godoy, Paulina; Gomez, Miguel; Montenegro, Gloria; Gomez, Carlos; Garrido, Tatiana	2019	Natural attributes of Chilean honeys modified by the presence of neonicotinoids residues	Agroforestry Systems (1 Dec 2019) Volume 93, Number 6, pp. 2257-2266, 38 refs. CODEN: AGSYE6 ISSN: 0167-4366 E-ISSN: 1572-9680 DOI: 10.1007/s10457-019-00345-z Published by: Springer Netherlands,	⑱
710	Schaafsma Arthur W; Limay-Rios Victor; Baute Tracey S; Smith Jocelyn L	2019	Neonicotinoid insecticide residues in subsurface drainage and open ditch water around maize fields in southwestern Ontario.	PloS one, (2019) Vol. 14, No. 4, pp. e0214787. Electronic Publication Date: 4 Apr 2019	⑱
711	Mahai, Gaga; Wan, Yanjian; Xia, Wei; Yang, Shunyi; He, Zhenyu; Xu, Shunqing	2019	Neonicotinoid insecticides in surface water from the central Yangtze River, China	Chemosphere (2019), 229, 452-460	⑱
712	Wintermantel, Dimitry; Odoux, Jean-Francois; Decourtye, Axel; Henry, Mickael; Allier, Fabrice; Bretagnolle, Vincent	2019	Neonicotinoid-induced mortality risk for bees foraging on oilseed rape nectar persists despite EU moratorium	Science of the Total Environment (2019) Ahead of Print	⑱
713	Cavallaro, Michael C.; Main, Anson R.; Liber, Karsten; Phillips, Iain D.; Headley, John V.; Peru, Kerry M.; Morrissey, Christy A.	2019	Neonicotinoids and other agricultural stressors collectively modify aquatic insect communities	Chemosphere (2019), 226, 945-955	⑱
714	Wan, Yanjian; Wang, Yao; Xia, Wei; He, Zhenyu; Xu, Shunqing	2019	Neonicotinoids in raw, finished, and tap water from Wuhan, Central China: Assessment of human exposure potential.	Science of the Total Environment, (JUL 20 2019) Vol. 675, pp. 513-519.	⑱
715	Parkinson, Rachel H.; Gray, John R.	2019	Neural conduction, visual motion detection, and insect flight behaviour are disrupted by low doses of imidacloprid and its metabolites	NeuroToxicology (2019), 72, 107-113	⑱
716	Yi, Xiaohui; Zhang, Chao; Liu, Hongbin; Wu, Renren; Tian, Di; Ruan, Jujun; Zhang, Tao; Huang, Mingzhi; Ying, Guangguo	2019	Occurrence and distribution of neonicotinoid insecticides in surface water and sediment of the Guangzhou section of the Pearl River, South China	Environmental Pollution (Oxford, United Kingdom) (2019), 251, 892-900	⑱
717	Xu, Meijia; Huang, Huiting; Li, Na; Li, Fang; Wang, Donghong; Luo, Qian	2019	Occurrence and ecological risk of pharmaceuticals and personal care products (PPCPs) and pesticides in typical surface watersheds, China	Ecotoxicology and Environmental Safety (2019), 175, 289-298	⑱
718	Iancu, Vasile-Ion; Petre, Jana; Galaon, Toma; Radu, Gabriel Lucian	2019	Occurrence of neonicotinoid residues in danube river and tributaries	Revista de Chimie (Bucharest, Romania) (2019), 70(1), 313-318	⑱
719	Zhang, Chao; Tian, Di; Yi, Xiaohui; Zhang, Tao; Ruan, Jujun; Wu, Renren; Chen, Chen; Huang, Mingzhi; Ying, Guangguo	2019	Occurrence, distribution and seasonal variation of five neonicotinoid insecticides in surface water and sediment of the Pearl Rivers, South China	Chemosphere (2019), 217, 437-446	⑱
720	Jurado, Anna; Walther, Marc; Diaz-Cruz, M. Silvia	2019	Occurrence, fate and environmental risk assessment of the organic microcontaminants included in the Watch Lists set by EU Decisions 2015/495 and 2018/840 in the groundwater of Spain	Science of the Total Environment (2019), 663, 285-296	⑱
721	Fajana, Hamzat O.; Gainer, Amy; Jegede, Olukayode O.; Awuah, Kobby F.; Princz, Juliska I.; Owojori, Olugbenga J.; Siciliano, Steven D.	2019	Oppia nitens C.L. Koch, 1836 (Acari: Oribatida): Current Status of Its Bionomics and Relevance as a Model Invertebrate in Soil Ecotoxicology	Environmental Toxicology and Chemistry (2019), 38(12), 2593-2613	⑱
722	Sonune, B. D.; Patil, M. J.; Kothikar, R. B.; Sawai, H. R.; Wargane, V. S.; Mane, K. K.	2019	Pathogenicity of Metarhizium anisopliae against Spodoptera litura and its compatibility with insecticides	International Journal of Chemical Studies (2019), 7(5), 1637-1640	⑱
723	Rodrigo Rugno Gabriel; Cuervo Rugno Johanna Bajonero; Anzolut Stansly Philip; Takao Yamamoto Pedro	2019	Pest Management Systems and Insecticide Tolerance of Lacewings (Neuroptera: Chrysopidae).	Journal of economic entomology, (2019 Feb 15) . Electronic Publication Date: 15 Feb 2019	⑱

724	Leiva, Jorge A.; Wilson, P. Chris; Albano, Joseph P.; Nkedi-Kizza, Peter; Oconnor, George A.	2019	Pesticide Sorption to Soilless Media Components Used for Ornamental Plant Production and Aluminum Water Treatment Residuals	ACS Omega (2019), 4(18), 17782-17790	⑯b
725	Lopez, Sarah G.	2019	Pesticide monitoring of surface water in the complex agronomic and ecological landscape of Californias Central Coast	ACS Symposium Series (2019), 1308(Pesticides in Surface Water: Monitoring, Modeling, Risk Assessment, and Management), 143-187; ACS Symposium Series (2019), 1308(Pesticides in Surface Water: Monitoring, Modeling, Risk Assessment, and Management), 143-18	⑱
726	Liang, Rui; Tang, Feng; Wang, Jin; Yue, Yongde	2019	Photo-degradation dynamics of five neonicotinoids: Bamboo vinegar as a synergistic agent for improved functional duration	PLoS One (2019), 14(10), e0223708	⑱
727	Korenko, Stanislav; Saska, Pavel; Kysilkova, Kristyna; Rezac, Milan; Heneberg, Petr	2019	Prey contaminated with neonicotinoids induces feeding deterrent behavior of a common farmland spider	Scientific Reports (2019), 9(1), 1-8	⑯b
728	Hou, Fan; Tian, Zhenyu; Peter, Katherine T.; Wu, Christopher; Gipe, Alex D.; Zhao, Haoqi; Alegria, Ernesto A.; Liu, Fengmao; Kolodziej, Edward P.	2019	Quantification of organic contaminants in urban stormwater by isotope dilution and liquid chromatography-tandem mass spectrometry	Analytical and Bioanalytical Chemistry (2019), 411(29), 7791-7806	⑱
729	Rahman, H.; Akter, T.; Mishu, H. K.; Miah, R. U.; Alam, M. S.	2019	Residual behaviour of imidacloprid in the country bean growing soil.	Bangladesh Journal of Agricultural Research (2019), Volume 44, Number 1, pp. 89-101, 32 refs. ISSN: 0258-7122 DOI: 10.3329/bjar.v44i1.40906 Published by: Bangladesh Agricultural Research Institute (BARI), Ghazipur	⑱
730	Climent, Maria Jose; Herrero-Hernandez, Eliseo; Sanchez-Martin, Maria Jesus; Rodriguez-Cruz, Maria Sonia; Pedreros, Pablo; Urrutia, Roberto	2019	Residues of pesticides and some metabolites in dissolved and particulate phase in surface stream water of Cachapoal River basin, central Chile	Environmental Pollution (Oxford, United Kingdom) (2019), 251, 90-101	⑱
731	Chen, Yuanchen; Zang, Lu; Shen, Guofeng; Liu, Maodian; Du, Wei; Fei, Jie; Yang, Liyang; Chen, Long; Wang, Xuejun; Liu, Weiping; Zhao, Meirong	2019	Resolution of the Ongoing Challenge of Estimating Nonpoint Source Neonicotinoid Pollution in the Yangtze River Basin Using a Modified Mass Balance Approach	Environmental Science and Technology (2019), 53(5), 2539-2548	⑱
732	De Oliveira, Roberio; De Souza, Mileny Dos Santos; Nunes, Gilmar Da Silva; Batista, Jacinto De Luna; De Brito, Carlos Henrique De Oliveira, Roberio; De Souza, Mileny Dos Santos Nunes, Gilmar Da Silva Batista, Jacinto De Luna De Brito, Carlos Henrique	2019	SELECTIVITY OF INSECTICIDES TO Encarsia hispida (Hymenoptera: Aphelinidae)	REVISTA CAATINGA, (APR-JUN 2019) Vol. 32, No. 2, pp. 312-317. ISSN: 0100-316X.	⑯b
733	Visalakshy, P. N. G.; Darshana, C. N.; Lewis, F.; Swathi, C.; Reddy, P. V. R.	2019	Safety of an oil based formulation of entomopathogen, Metarhizium anisopliae to pollinators of mango.	Pest Management in Horticultural Ecosystems (2019) , Volume 25, Number 2, pp. 186-189, 14 refs. ISSN: 0971-6831 Published by: Association for Advancement of Pest Management in Horticultural Ecosystems, Bangalore	④
734	Casado, Jorge; Brigden, Kevin; Santillo, David; Johnston, Paul	2019	Screening of pesticides and veterinary drugs in small streams in the European Union by liquid chromatography high resolution mass spectrometry	Science of the Total Environment (2019), 670, 1204-1225	⑱
735	Feltrin-Campos, E.; Rigenberg, R.; Carvalho, G. A.; Glaeser, D. F.; Oliveira, H. N. De; De Oliveira, H. N.	2019	Selectivity of insecticides against adult Trichogramma pretiosum Riley (Hymenoptera: Trichogrammatidae) on cassava.	Journal of Agricultural Science (Toronto) (2019), Volume 11, Number 1, pp. 546-552, 29 refs. ISSN: 1916-9752 Published by: Canadian Center of Science and Education, Toronto	⑯b

736	Wang Zhuo; Dai Peng; Yang Xiangbing; Ruan Chang-Chun; Biondi Antonio; Desneux Nicolas; Zang Lian-Sheng	2019	Selectivity of novel and traditional insecticides used for management of whiteflies on the parasitoid Encarsia formosa.	Pest management science, (2019 Feb 19) . Electronic Publication Date: 19 Feb 2019	⑯b
737	Meymand, Maryam Zeinadini; Sahebzadeh, Najmeh; Ravan, Sultan; Basirat, Mehdi	2019	Side effects of spirotetramat and imidacloprid on hippodamia variegata goezee feeding on Agonoscena pistaciae Burckhardt and Lauterer	Journal of Nuts (2019), 10(1), 35-45	⑯b
738	Yen, Jui-Hung; Liao, Chien-Sen; Kuo, Ya-Wen; Chen, Wen-Ching; Huang, Wan-Ting Yen, Jui-Hung Liao, Chien-Sen Kuo, Ya-Wen Chen, Wen-Ching; Huang, Wan-Ting	2019	Effect of Growing Groundcover Plants in a Vineyard on Dissipation of Two Neonicotinoid Insecticides	SUSTAINABILITY, (1 FEB 2019) Vol. 11, No. 3. ISSN: 2071-1050.	⑱
739	Schlussel, Adeline; Leininger, Elizabeth	2019	Neonicotinoid insecticides and selective serotonin reuptake inhibitors interact antagonistically in Daphnia magna.	BIOS, (DEC 2019) Vol. 90, No. 4, pp. 245-256.	⑭
740	Yamamuro, Masumi; Komuro, Takashi; Kamiya, Hiroshi; Kato, Toshikuni; Hasegawa, Hitomi; Kameda, Yutaka	2019	Neonicotinoids disrupt aquatic food webs and decrease fishery yields	Science (Washington, DC, United States) (2019), 366(6465), 620-623	⑱
741	Calatayud-Vernich, Pau; Calatayud, Fernando; Simo, Enrique; Pascual Aguilar, Juan Antonio; Pico, Yolanda	2019	A two-year monitoring of pesticide hazard in-hive: High honey bee mortality rates during insecticide poisoning episodes in apiaries located near agricultural settings	Chemosphere (2019), 232, 471-480	⑱
742	Castilhos, Dayson; Bergamo, Genevile C.; Gramacho, Katia P.; Goncalves, Lionel S.	2019	Bee colony losses in Brazil: a 5-year online survey.	Apidologie, (JUL 2019) Vol. 50, No. 3, pp. 263-272.	ブラジルでの蜂群の消失に関する統計
743	Macaulay Samuel J; Hageman Kimberly J; Alumbaugh Robert E; Lyons Sean M; Piggott Jeremy J; Matthaei Christoph D	2019	Chronic Toxicities of Neonicotinoids to Nymphs of the Common New Zealand Mayfly Deleatidium spp.	Environmental toxicology and chemistry, (2019 Aug 02) . Electronic Publication Date: 2 Aug 2019	⑯b
744	Azpiazu, Celeste; Bosch, Jordi; Vinuela, Elisa; Medrzycki, Piotr; Teper, Dariusz; Sgolastra, Fabio	2019	Chronic oral exposure to field-realistic pesticide combinations via pollen and nectar: effects on feeding and thermal performance in a solitary bee	Scientific Reports (2019), 9(1), 1-11	⑯b
745	Konemann Sarah; Muller Yvonne; Tschentscher Daniel; Krauss Martin; Inostroza Pedro A; Bruckner Ira; Pinnekamp Johannes; Schiwy Sabrina; Hollert Henner	2019	Combination of In Situ Feeding Rate Experiments and Chemical Body Burden Analysis to Assess the Influence of Micropollutants in Wastewater on Gammarus pulex.	International journal of environmental research and public health, (2019 Mar 11) Vol. 16, No. 5. Electronic Publication Date: 11 Mar 2019	⑱(摂食阻害)
746	Jiang, Jiangong; Liu, Xiao; Huang, Xueping; Yu, Xin; Zhang, Wenwen; Zhang, Xianxia; Mu, Wei	2019	Comparative ecotoxicity of neonicotinoid insecticides to three species of Trichogramma parasitoid wasps (Hymenoptera: Trichogrammatidae)	Ecotoxicology and Environmental Safety (2019), 183, 109587	⑯b
747	Sadowska, Monika; Gogolewska, Honorata; Pawelec, Nina; Sentkowska, Aleksandra; Krasnodebska-Ostrega, Beata	2019	Comparison of the contents of selected elements and pesticides in honey bees with regard to their habitat	Environmental Science and Pollution Research (2019), 26(1), 371-380	⑱
748	Metcalfe, Chris D.; Helm, Paul; Paterson, Gordon; Kaltenecker, Georgina; Murray, Craig; Nowierski, Monica; Sultana, Tamanna	2019	Pesticides related to land use in watersheds of the Great Lakes basin	Science of the Total Environment (2019), 648, 681-692	⑱
749	Paquet-Walsh, Angela; Bertolo, Andrea; Landry, Catherine; Deschamps, Lucas; Boily, Monique	2019	Interactive effects of neonicotinoids and natural ultraviolet radiation on yellow perch (Perca flavescens) larvae	Science of the Total Environment (2019), 685, 690-701	⑯b

750	Humann-Guilleminot, Segolene; Binkowski, Lukasz J.; Jenni, Lukas; Hilke, Gabriele; Glauser, Gaetan; Helfenstein, Fabrice	2019	A nation-wide survey of neonicotinoid insecticides in agricultural land with implications for agri-environment schemes	Journal of Applied Ecology (2019), 56(7), 1502-1514	スイスの土壌、植物中残留モニタリングと影響評価、毒性エンドポイントの報告なし
751	Gagliardi, Bryant; Long, Sara M.; Pettigrove, Vincent J.; Griffin, Philippa C.; Hoffmann, Ary A.	2019	A re-evaluation of chironomid deformities as an environmental stress response: avoiding survivorship bias and testing noncontaminant biological factors	Environmental Toxicology and Chemistry (2019), 38(8), 1658-1667	評価に用いることのできる方法でない。ユスリカの奇形をエンドポイントにする方法。奇形は認められず。
752	Ngo, Thi Nha; Lin, Ta-Te; Wu, Kung-Chin; Yang, En-Cheng	2019	A real-time imaging system for multiple honey bee tracking and activity monitoring	Computers and electronics in agriculture (2019) , Volume 163 ISSN: 0168-1699 Published by: Elsevier B.V. Source Note: 2019 Aug., v. 163	ミツバチ巣内のReal time観察法
753	Bonmatin, Jean-Marc; Noome, Dominique A.; Moreno, Heron; Mitchell, Edward A. D.; Glauser, Gaetan; Soumana, Oumarou S.; Bijleveld Van Lexmond, Maarten; Sanchez-Bayo, Francisco	2019	A survey and risk assessment of neonicotinoids in water, soil and sediments of Belize	Environmental Pollution (Oxford, United Kingdom) (2019), 249, 949-958	海外モニタリングであり、日本における評価に利用できない。
754	Paul, K.; Khan, A.	2019	Effects of certain insecticides on the predator Orius insidiosus and its prey Thrips palmi.	Indian Journal of Entomology (2019), Volume 81, Number 1, pp. 1-6 ISSN: 0367-8288 DOI: 10.5958/0974-8172.2019.00072.5 Published by: Entomological Society of India, New Delhi	⑯b
755	Yorulmaz Salman, S.; Keskin, C.; Bal, B.; Doenmez, M. O.	2019	Effects of different doses of imidacloprid on the life table of Panonychus ulmi Koch (Acari: Tetranychidae) and predator Neoseiulus californicus (McGregor) (Acari: Phytoseiidae).	Journal of Graduate School of Natural and Applied Sciences of Mehmet Akif Ersoy University (2019) , Volume 10, Number 2, pp. 159-165, 26 refs. ISSN: 1309-2243 Published by: Mehmet Akif Ersoy Ueniversity, Burd	⑲
756	Taplamacioglu, D.; Karaca, I.	2019	Effects of some pesticides on Bombus terrestris under laboratory conditions.	International Journal of Agriculture, Environment and Food Sciences (2019) , Volume 3, Number 4, pp. 217-219, 18 refs. ISSN: 2618-5946 DOI: 10.31015/jaefs.2019.4.3 Published by: Gultekin Ozdemir, Diyarbakir	⑯b
757	Kangale, G. K.; Kadam, D. R.; Jadhao, P. B.; Jadhav, R. D.	2019	Efficacy of insecticides against mango hoppers and their predatory coccinellids.	Indian Journal of Entomology (2019) , Volume 81, Number 2, pp. 277-279 ISSN: 0367-8288 DOI: 10.5958/0974-8172.2019.00065.8 Published by: Entomological Society of India, New Delhi	⑯b
758	Dang, Zhichao	2019	Endpoint sensitivity in Amphibian Metamorphosis Assay	Ecotoxicology and Environmental Safety (2019), 167, 513-519	⑯b
759	Beadle Katherine; Singh Kumar Saurabh; Troczka Bartlomiej J; Randall Emma; Zaworra Marion; Zimmer Christoph T; Hayward Angela; Reid Rebecca; Kor Laura; Kohler Maxie; Buer Benjamin; Nelson David R; Williamson Martin S; Davies T G Emyr; Field Linda M; Nauen	2019	Genomic insights into neonicotinoid sensitivity in the solitary bee Osmia bicornis.	PLoS genetics, (2019 Feb 04) Vol. 15, No. 2, pp. e1007903. Electronic Publication Date: 4 Feb 2019	⑯b
760	Lozano, A.; Hernando, M. D.; Ucles, S.; Hakme, E.; Fernandez-Alba, A. R.	2019	Identification and measurement of veterinary drug residues in beehive products	Food Chemistry (2019), 274, 61-70	⑪ ⑰
761	Mrzlikar, Miha; Heath, David; Heath, Ester; Markelj, Jernej; Kandolf Borovsak, Andreja; Prosen, Helena	2019	Investigation of neonicotinoid pesticides in Slovenian honey by LC-MS/MS	LWT--Food Science and Technology (2019), 104, 45-52	⑰

762	Li, Xiaotong; Chen, Junhui; He, Xiuping; Wang, Zhiwei; Wu, Danni; Zheng, Xiaoling; Zheng, Li; Wang, Baodong	2019	Simultaneous determination of neonicotinoids and fipronil and its metabolites in environmental water from coastal bay using disk-based solid-phase extraction and high-performance liquid chromatography-tandem mass spectrometry	Chemosphere (2019), 234, 224-231	⑰
763	Teder, Tiit; Knapp, Michal Teder, Tiit Teder, Tiit; Knapp, Michal	2019	Sublethal effects enhance detrimental impact of insecticides on non-target organisms: A quantitative synthesis in parasitoids	CHEMOSPHERE, (JAN 2019) Vol. 214, pp. 371-378. ISSN: 0045-6535.	⑯b
764	Nazari-Fathabad, M.; Shahidi-Noghabi, S.	2019	Susceptibility of immature stages of a biocontrol agent, Cheilomenes sexmaculata, to imidacloprid and pyriproxyfen.	Iran Agricultural Research (2019) , Volume 38, Number 1, pp. 67-74, 33 refs. ISSN: 1013-9885 DOI: 10.22099/iar.2019.5301 Published by: College of Agriculture, Shiraz University, Shiraz	⑯b
765	Martinez, Luis Carlos; Plata-Rueda, Angelica; Goncalves, Wagner Gonzaga; Freire, Andre Filipe Penha Aires; Zanuncio, Jose Cola; Bozdogan, Hakan; Serrao, Jose Eduardo	2019	Toxicity and cytotoxicity of the insecticide imidacloprid in the midgut of the predatory bug, Podisus nigrispinus	Ecotoxicology and Environmental Safety (2019), 167, 69-75	⑯b
766	Mamoon-Ur-Rashid, Muhammad; Abdullah, Khalid	2019	Toxicity of Synthetic Insecticides and Neem Oil against Bio-control Agents of Cotton Mealybug, Phenacoccus solenopsis Tinsley (Sternorrhyncha: Pseudococcidae) under Lab Conditions.	Proceedings of Pakistan Congress of Zoology, (2019) Vol. 39, pp. 21-27. ISSN: 1013-3461.	⑯b
767	Uhl, Philipp; Awanbor, Osarobo; Schulz, Robert S.; Bruehl, Carsten A.	2019	Is Osmia bicornis an adequate regulatory surrogate Comparing its acute contact sensitivity to Apis mellifera	PLoS One (2019), 14(8), e0201081	⑰
768	Rugno, G. R.; Zanardi, O. Z.; Parra, J. R. P.; Yamamoto, P. T.	2019	Lethal and Sublethal Toxicity of Insecticides to the Lacewing Ceraeochrysa Cubana	Neotropical Entomology (2019), 48(1), 162-170	⑯b
769	Taravati, Siavash; Mannion, Catharine; Mckenzie, Cindy; Osborne, Lance	2019	Lethal and sublethal effects of selected systemic and contact insecticides on Nephaspis oculata (Coleoptera: Coccinellidae), in a tri-trophic system	Journal of Economic Entomology (2019), 112(2), 543-548	⑯b
770	Shimshoni, Jakob A.; Sperling, Roy; Massarwa, Muhammad; Chen, Yaira; Bommuraj, Vijayakumar; Borisover, Mikhail; Barel, Shimon	2019	Pesticide distribution and depletion kinetic determination in honey and beeswax: Model for pesticide occurrence and distribution in beehive products	PLoS One (2019), 14(2), e0212631	⑱
771	Cocuzza, G. E. M.; Convertini, S.; Bacci, L.; Rapisarda, C.	2019	Side effects of sulfoxaflor on Bombus terrestris (L.) (Hymenoptera, Apidae) in protected tomato crop.	IOBC/WPRS Bulletin (2019) , Volume 147, pp. 147-150 ISSN: 1027-3115 Published by: International Organization for Biological and Integrated Control of Noxious Animals and Plants (OIBC/OILB), West Palaearctic Regional Section (WPRS/SROP), Dijon Conference:	⑯b
772	Bonmatin, Jean-Marc; Mitchell, Edward A. D.; Glauser, Gaetan; Lumawig-Heitzman, Elizabeth; Claveria, Florencia; Bijleveld Van Lexmond, Maarten; Taira, Kumiko; Sanchez-Bayo, Francisco	2020	Residues of neonicotinoids in soil, water and peoples hair: A case study from three agricultural regions of the Philippines	Science of the Total Environment (2020) Ahead of Print	⑯d
773	Ozdemir, Esengul; Inak, Emre; Evlice, Emre; Laznik, Ziga	2020	Compatibility of entomopathogenic nematodes with pesticides registered in vegetable crops under laboratory conditions.	Journal of Plant Diseases and Protection, (AUG 2020) Vol. 127, No. 4, pp. 529-535. ISSN: 1861-3829. E-ISSN: 1861-3837.	⑯b

774	Bhandari, Govinda; Atreya, Kishor; Scheepers, Paul T. J.; Geissen, Violette	2020	Concentration and distribution of pesticide residues in soil: Non-dietary human health risk assessment	Chemosphere (2020), 253, 126594	海外モニタリングであり、日本における評価に利用できない。
775	Zhang, Chao; Yi, Xiaohui; Chen, Chen; Tian, Di; Liu, Hongbin; Xie, Lingtian; Zhu, Xiuping; Huang, Mingzhi; Ying, Guang-Guo	2020	Contamination of neonicotinoid insecticides in soil-water - sediment systems of the urban and rural areas in a rapidly developing region: Guangzhou, South China	Environment International (2020), 139, 105719	海外モニタリングであり、日本における評価に利用できない。
776	Norman, Julia E.; Mahler, Barbara J.; Nowell, Lisa H.; Van Metre, Peter C.; Sandstrom, Mark W.; Corbin, Mark A.; Qian, Yaorong; Pankow, James F.; Luo, Wentai; Fitzgerald, Nicholas B.; Asher, William E.; Mcwhirter, Kevin J.	2020	Daily stream samples reveal highly complex pesticide occurrence and potential toxicity to aquatic life.	Science of the Total Environment, (1 May 2020) Vol. 715. arn. 136795. Refs: 54 ISSN: 0048-9697; E-ISSN: 1879-1026 CODEN: STEVA8	河川水の採取間隔・頻度の比較
777	Bishop, Christine A.; Woundneh, Million B.; Maisonneuve, France; Common, Julia; Elliott, John E.; Moran, Alison J.	2020	Determination of neonicotinoids and butenolide residues in avian and insect pollinators and their ambient environment in Western Canada (2017, 2018)	Science of the Total Environment (2020), 737, 139386	⑰
778	Huang, Zhoubing; Li, Huizhen; Wei, Yanli; Xiong, Jingjing; You, Jing	2020	Distribution and ecological risk of neonicotinoid insecticides in sediment in South China: Impact of regional characteristics and chemical properties	Science of the Total Environment (2020), 714, 136878	中国の農地からの水・堆積物への流亡の解析、毒性エンドポイントなし
779	Aragon-Sanchez, Miguel; Serratos-Tejeda, Carlos; Huerta De La Pena, Arturo; Aragon Garcia, Agustin; Cecilia Perez-Torres, Betzabeth; Pineda, Samuel	2020	Effect by Ingestion of Extracts of Argemone mexicana L. on Biological Parameters and Capability of Chrysoperla carnea (Stephens) to Increase in a Laboratory.	Southwestern Entomologist, (JUN 2020) Vol. 45, No. 2, pp. 405-414.	⑯b
780	Wumuerhan Patima; Yuntao Jiang; Deying Ma	2020	Effects of exposure to imidacloprid direct and poisoned cotton aphids Aphis gossypii on ladybird Hippodamia variegata feeding behavior .	Journal of pesticide science, (2020 Feb 20) Vol. 45, No. 1, pp. 24-28.	⑯b
781	Gonsioroski, Andressa; Mourikes, Vasiliki E.; Flaws, Jodi A.	2020	Endocrine disruptors in water and their effects on the reproductive system.	International Journal of Molecular Sciences, (2 Mar 2020) Vol. 21, No. 6. arn. 1929. Refs: 287 ISSN: 1661-6596; E-ISSN: 1422-0067	⑧
782	Topaz, Tom; Egozi, Roey; Suari, Yair; Ben-Ari, Julius; Sade, Tal; Chefetz, Benny; Yahel, Gitai	2020	Environmental risk dynamics of pesticides toxicity in a Mediterranean micro-estuary	Environmental Pollution (Oxford, United Kingdom) (2020), 265(Part_B), 114941	⑯b
783	Quesada, Carlos R.; Scharf, Michael E.; Sadof, Clifford S.	2020	Excretion of non-metabolized insecticides in honeydew of striped pine scale	Chemosphere (2020), 249, 126167	⑱
784	Bradley, Paul M.; Romanok, Kristin M.; Duncan, Jeffrey R.; Battaglin, William A.; Clark, Jimmy M.; Hladik, Michelle L.; Huffman, Bradley J.; Iwanowicz, Luke R.; Journey, Celeste A.; Smalling, Kelly L.	2020	Exposure and potential effects of pesticides and pharmaceuticals in protected streams of the US National park Service southeast region.	Science of the Total Environment, (20 February 2020) Vol. 704. arn. 135431. Refs: 153 ISSN: 0048-9697; E-ISSN: 1879-1026 CODEN: STEVA8	⑱
785	Pietrzak, Damian; Kania, Jaroslaw; Kmiecik, Ewa; Malina, Grzegorz; Wator, Katarzyna	2020	Fate of selected neonicotinoid insecticides in soil-water systems: Current state of the art and knowledge gaps	Chemosphere (2020), 255, 126981	⑧
786	Wan, Yanjian; Han, Qing; Wang, Yao; He, Zhenyu	2020	Five degradates of imidacloprid in source water, treated water, and tap water in Wuhan, central China	Science of the Total Environment (2020), 741, 140227	⑱

787	Payton, Tracey L.; Rebek, Eric J.; Payton, Mark	2020	Foliar-and Soil-Applied Pesticide Compatibility with Aphidius colemani1 Parasitoids	Southwestern entomologist (31 Mar 2020), Volume 45, Number 1, pp. 31-40, 10 p. ISSN: 0147-1724; 0147-1724 Source Note: 2020March31, v. 45, no. 1	⑯b
788	Mustard Julie A; Gott Anne; Scott Jennifer; Chavarria Nancy L; Wright Geraldine A	2020	Honeybees fail to discriminate floral scents in a complex learning task after consuming a neonicotinoid pesticide.	The Journal of experimental biology, (2020 Feb 06) . Electronic Publication Date: 6 Feb 2020	⑱
789	Choudhury Robin A; Sutherland Andrew M; Hengel Matt J; Parrella Michael P; Gubler W Douglas	2020	Imidacloprid Movement into Fungal Conidia Is Lethal to Mycophagous Beetles.	Insects, (2020 Aug 03) Vol. 11, No. 8. Electronic Publication Date: 3 Aug 2020	⑱
790	Nguyen, Duc Dat Duc; Huynh, Khanh An; Nguyen, Xuan Hoan; Nguyen, Tan Phong	2020	Imidacloprid degradation by electro-Fenton process using composite Fe3O4-Mn3O4 nanoparticle catalyst	Research on Chemical Intermediates (2020), 46(11), 4823-4840	⑱
791	Yadav, Vineeta; Ahmad, Shadab; Zahra, Kaneez	2020	Imidacloprid toxicity and its attenuation by aqueous extract of Moringa oleifera leaf in zebra fish, Danio rerio.	International Journal of Current Pharmaceutical Research, (1 Mar 2020) Vol. 12, No. 2, pp. 32-38. Refs: 59 ISSN: 0975-7066	⑭
792	Resende-Silva Geverson A; Joseph Deney A; Guedes Raul Narciso C; Cutler G Christopher	2020	Impact of Imidacloprid Soil Drenching on Survival, Longevity, and Reproduction of the Zoophytophagous Predator Podisus maculiventris (Hemiptera: Pentatomidae: Asopinae).	Journal of economic entomology, (20200208) Vol. 113, No. 1, pp. 108-114.	⑯b
793	Ramasubramanian, T.	2020	Impact of organic manures on the persistence of imidacloprid in the sandy clay loam soil of tropical sugarcane crop ecosystem	Environmental Monitoring and Assessment (2020), 192(6), 403	⑰
794	Rathjen, J.R.; Ryder, M.H.; Riley, I.T.; Lai, T.V.; Denton, M.D.	2020	Impact of seed-applied pesticides on rhizobial survival and legume nodulation.	Journal of Applied Microbiology, (2020) . Refs: 35 ISSN: 1364-5072; E-ISSN: 1365-2672 CODEN: JAMIFK	⑯b
795	Barbieri, Maria Vittoria; Monllor-Alcaraz, Luis Simon; Postigo, Cristina; Lopez De Alda, Miren	2020	Improved fully automated method for the determination of medium to highly polar pesticides in surface and groundwater and application in two distinct agriculture-impacted areas.	Science of the Total Environment (2020), 745, 140650	⑱
796	Arlos, Maricor J.; Focks, Andreas; Hollender, Juliane; Stamm, Christian	2020	Improving risk assessment by predicting the survival of field gammarids exposed to dynamic pesticide mixtures	Environmental Science and Technology (2020) Ahead of Print	⑱
797	Cerezer, Cristina; Marins, Aline Teixeira; Cerezer, Felipe Osmari; Severo, Eduardo Stringini; Leitemperger, Jossiele Wesz; Grubel Bandeira, Nelson Miguel; Zanella, Renato; Loro, Vania Lucia; Santos, Sandro	2020	Influence of pesticides and abiotic conditions on biochemical biomarkers in Aegla aff. longirostri (crustacea, anomura): Implications for conservation	Ecotoxicology and Environmental Safety (2020), 203, 110982	⑱
798	Smith Dylan B; Arce Andres N; Ramos Rodrigues Ana; Bischoff Philipp H; Burris Daisy; Ahmed Farah; Gill Richard J	2020	Insecticide exposure during brood or early-adult development reduces brain growth and impairs adult learning in bumblebees .	Proceedings. Biological sciences, (2020 Mar 11) Vol. 287, No. 1922, pp. 20192442. Electronic Publication Date: 4 Mar 2020	⑯b
799	Murata, Kouhei; Tanaka, Koichi	2020	Insecticide susceptibilities of Hydrometra species (Hemiptera: Hydrometridae), including an endangered species, inhabiting paddy fields in Japan	Applied Entomology and Zoology (2020), 55(4), 395-403	⑯b
800	Afza, Rahat; Riaz, Muhammad Asam; Afzal, Muhammad Afza, Rahat; Afzal, Muhammad	2020	Sublethal Effect of Six Insecticides on Predatory Activity and Survival of Coccinella Septempunctata (Coleoptera: Coccinellidae) Following Contact with Contaminated Prey and Residues	GESUNDE PFLANZEN, (2020 MAR 2020) Vol. 72, No. 1, pp. 77-86. ISSN: 0367-4223.	⑯b

801	Lin, Ronghua; He, Dan; Men, Xingyuan; Zheng, Li; Cheng, Shenhang; Tao, Lingmei; Yu, Caihong	2020	Sublethal and transgenerational effects of acetamiprid and imidacloprid on the predatory bug Orius sauteri (Poppius) (Hemiptera: Anthocoridae)	Chemosphere (2020), 255, 126778	⑯b
802	Young, Helen K.; Denecke, Shane M.; Robin, Charles; Fournier-Level, Alexandre	2020	Sublethal larval exposure to imidacloprid impacts adult behaviour in Drosophila melanogaster	Journal of Evolutionary Biology (2020), 33(2), 151-164	⑯b
803	Romeh, Ahmed Ali	2020	Synergistic use of Plantago major and effective microorganisms, EM1 to clean up the soil polluted with imidacloprid under laboratory and field condition	International Journal of Phytoremediation (2020), 22(14), 1515-1523	⑱
804	Ricupero, Michele; Desneux, Nicolas; Zappala, Lucia; Biondi, Antonio	2020	Target and non-target impact of systemic insecticides on a polyphagous aphid pest and its parasitoid	Chemosphere (2020), 247, 125728	⑱
805	Lalonde, Benoit; Garron, Christine	2020	Temporal and Spatial Analysis of Surface Water Pesticide Occurrences in the Maritime Region of Canada	Archives of Environmental Contamination and Toxicology (2020), 79(1), 12-22	⑱
806	Curchod, Lou; Oltramare, Christelle; Junghans, Marion; Stamm, Christian; Dalvie, Mohamed Aqiel; Roosli, Martin; Fuhrimann, Samuel	2020	Temporal variation of pesticide mixtures in rivers of three agricultural watersheds during a major drought in the Western Cape, South Africa.	Water Research X, (1 January 2020) Vol. 6. arn. 100039. Refs: 69 E-ISSN: 2589-9147	⑱
807	Bruus, Marianne; Rasmussen, Jes Jessen; Strandberg, Morten; Strandberg, Beate; Soerensen, Peter Borgen; Larsen, Soeren Erik; Kjaer, Christian; Lorenz, Stefan; Wiberg-Larsen, Peter	2020	Terrestrial adult stages of freshwater insects are sensitive to insecticides	Chemosphere (2020), 239, 124799	⑯b
808	Rohonczy, Jillian L. M.; Koprivnikar, Janet; Waltho, Nigel; Robinson, Stacey A.	2020	The Effects of the Commercially Formulated Neonicotinoids Imidacloprid and Thiamethoxam on the Survival of Infectious Stages of Two Trematode Parasites	Water, Air, and Soil Pollution (2020), 231(3), 125	⑯b
809	Aqsa Arshad; Asim Munawar; Muhammad Ishaque Mastoi; Samar Sohail; Faiza Bashir; Liang Chengjuan; Liang, C. J.	2020	The compatibility of single and combined applications of the entomopathogenic nematode, Heterorhabditis indica with imidacloprid against red palm weevil, Rhynchophorus ferrugineus (oliv.).	Asian Journal of Agriculture and Biology (2020), Volume 8, Number 3, pp. 315-322, 43 refs. DOI: 10.35495/ajab.2020.01.021 Published by: Life Sciences Society of Pakistan, Islamabad	④
810	Brito Pedro; Elias Marcos; Silva-Neto Carlos; Sujii Edison; Silva Daniela; Goncalves Bruno; Franceschinelli Edivani	2020	The effects of field-realistic doses of imidacloprid on Melipona quadrifasciata (Apidae : Meliponini) workers.	Environmental science and pollution research international, (2020 Jul 05) . Electronic Publication Date: 5 Jul 2020	⑯b
811	Kadlikova, Klara; Vaclavikova, Marta; Halesova, Tatana; Kamler, Martin; Markovic, Martin; Erban, Tomas	2020	The investigation of honey bee pesticide poisoning incidents in Czechia	Chemosphere (2020) Ahead of Print	⑱
812	Alonso-Prados, Elena; Munoz, Irene; De La Rua, Pilar; Serrano, Jose; Fernandez-Alba, Amadeo R.; Garcia-Valcarcel, Ana Isabel; Hernando, Maria Dolores; Alonso, Angeles; Alonso-Prados, Jose L.; Bartolome, Carolina; Maside, Xulio; Barrios, Laura; Martin-Hern	2020	The toxic unit approach as a risk indicator in honey bees surveillance programmes: A case of study in Apis mellifera iberiensis	Science of the Total Environment (2020), 698, 134208	⑱
813	Mulvey Jessica; Cresswell James E	2020	Time-dependent effects on bumble bees of dietary exposures to farmland insecticides (imidacloprid , thiamethoxam and fipronil).	Pest management science, (2020 Apr 01) . Electronic Publication Date: 1 Apr 2020	⑯b

814	Braulio Hennig, Thuanne; Ogliari Bandeira, Felipe; Dalpasquale, Adriano Junior; Cardoso, Elke Jurandy Bran Nogueira; Baretta, Dilmar; Lopes Alves, Paulo Roger	2020	Toxicity of imidacloprid to collembolans in two tropical soils under different soil moisture	Journal of Environmental Quality (2020) Ahead of Print	⑯b
815	Flores, Florita; Kaserzon, Sarit; Elisei, Gabriele; Ricardo, Gerard; Negri, Andrew P.	2020	Toxicity thresholds of three insecticides and two fungicides to larvae of the coral Acropora tenuis.	PeerJ, (JUL 28 2020) Vol. 8, pp. Article No.: e9615. ISSN: 2167-8359. E-ISSN: 2167-8359.	⑯b
816	Roy, Charlotte L.; Coy, Pamela L.	2020	Wildlife consumption of neonicotinoid-treated seeds at simulated seed spills	Environmental Research (2020), 190, 109830	⑱
817	Hulbert, Daniel; Raja Jamil, Raja Zalinda; Isaacs, Rufus; Vandervoort, Christine; Erhardt, Susan; Wise, John	2020	Leaching of insecticides used in blueberry production and their toxicity to red worm	Chemosphere (2020), 241, 125091	⑯b
818	Snow, D.D.; Chakraborty, P.; Uralbekov, B.; Satybaldiev, B.; Sallach, J.B.; Thornton Hampton, L.M.; Jeffries, M.; Kolok, A.S.; Bartelt-Hunt, S.B.	2020	Legacy and current pesticide residues in Syr Darya, Kazakhstan: Contamination status, seasonal variation and preliminary ecological risk assessment .	Water Research, (1 October 2020) Vol. 184. arn. 116141. Refs: 49 ISSN: 0043-1354; E-ISSN: 1879-2448 CODEN: WATRAG	⑱
819	Mcluckie, Catherine; Moltschaniwskyj, Natalie; Gaston, Troy; Dunstan, R. Hugh; Crompton, Marcus; Butcherine, Peter; Benkendorff, Kirsten; Taylor, Matthew D.	2020	Lethal and sub - lethal effects of environmentally relevant levels of imidacloprid pesticide to Eastern School Prawn, Metapenaeus macleayi	Science of the Total Environment (2020), 742, 140449	⑱
820	Atta, Bilal; Rizwan, Muhammad; Sabir, Arshed Makhdoom; Gogi, Muhammad Dildar; Farooq, Muhammad Asif; Jamal, Abdullah Atta, Bilal; Sabir, Arshed Makhdoom Gogi, Muhammad Dildar Farooq, Muhammad Asif Jamal, Abdullah	2020	Lethal and sublethal effects of clothianidin, imidacloprid and sulfoxaflor on the wheat aphid,Schizaphis graminum(Hemiptera: Aphididae) and its coccinellid predator,Coccinella septempunctata	INTERNATIONAL JOURNAL OF TROPICAL INSECT SCIENCE, (16 2020 JUL 2020) . ISSN: 1742-7584.	⑯b
821	Cauia, E.; Siceanu, A.; Visan, G. O.; Cauia, D.; Colta, T.; Spulber, R. A.	2020	Monitoring the field-realistic exposure of honeybee colonies to neonicotinoids by an integrative approach: a case study in Romania.	Diversity (2020), Volume 12, Number 1, 65 refs. DOI: 10.3390/d12010024 Published by: MDPI AG, Basel	⑱
822	Perez-Mayan, L.; Ramil, M.; Cela, R.; Rodriguez, I.	2020	Multiresidue procedure to assess the occurrence and dissipation of fungicides and insecticides in vineyard soils from Northwest Spain	Chemosphere (2020), 261, 127696	⑱
823	Parkinson Rachel H; Zhang Sinan; Gray John R	2020	Neonicotinoid and sulfoximine pesticides differentially impair insect escape behavior and motion detection.	Proceedings of the National Academy of Sciences of the United States of America, (2020 Mar 10) Vol. 117, No. 10, pp. 5510-5515. Electronic Publication Date: 24 Feb 2020	⑯b
824	Schepker, Travis J.; Webb, Elisabeth B.; Tillitt, Donald; Lagrange, Ted	2020	Neonicotinoid insecticide concentrations in agricultural wetlands and associations with aquatic invertebrate communities	Agriculture, Ecosystems and Environment (2020), 287, 106678	⑱
825	Lu, Chensheng; Lu, Zhengbiao; Lin, Shu; Dai, Wei; Zhang, Quan	2020	Neonicotinoid insecticides in the drinking water system - Fate, transportation, and their contributions to the overall dietary risks	Environmental Pollution (Oxford, United Kingdom) (2020) Ahead of Print	⑱
826	Bradford Beatrix R; Whidden Elizabeth; Gervasio Esabelle D; Checchi Paula M; Raley-Susman Kathleen M	2020	Neonicotinoid-containing insecticide disruption of growth, locomotion, and fertility in Caenorhabditis elegans.	PloS one, (2020) Vol. 15, No. 9, pp. e0238637. Electronic Publication Date: 9 Sep 2020	⑯b
827	Muth Felicity; Gaxiola Rebekah L; Leonard Anne S	2020	No evidence for neonicotinoid preferences in the bumblebee Bombus impatiens.	Royal Society open science, (2020 May) Vol. 7, No. 5, pp. 191883. Electronic Publication Date: 20 May 2020	⑯b

828	Elfikrie, Nurulizani; Ho, Yu Bin; Zaidon, Siti Zulfa; Juahir, Hafizan; Tan, Eugenie Sin Sing	2020	Occurrence of pesticides in surface water , pesticides removal efficiency in drinking water treatment plant and potential health risk to consumers in Tengi River Basin, Malaysia	Science of the Total Environment (2020) Ahead of Print	⑱
829	Zhou, Yitong; Wu, Junxue; Wang, Bin; Duan, Lei; Zhang, Yizhe; Zhao, Wenxing; Wang, Fang; Sui, Qian; Chen, Zhongying; Xu, Dongjiong; Li, Qingxue; Yu, Gang	2020	Occurrence, source and ecotoxicological risk assessment of pesticides in surface water of Wujin District (northwest of Taihu Lake), China	Environmental Pollution (Oxford, United Kingdom) (2020), 265(Part_A), 114953	⑱
830	Xu, Lei; Granger, Caroline; Dong, Huiyu; Mao, Yuanxiang; Duan, Shule; Li, Jin; Qiang, Zhimin	2020	Occurrences of 29 pesticides in the Huangpu River, China: Highest ecological risk identified in Shanghai metropolitan area	Chemosphere (2020), 251, 126411	⑱
831	Becker Jeremias M; Ganatra Akbar A; Kandie Faith; Muhlbauer Lina; Ahlheim Jorg; Brack Werner; Torto Baldwyn; Agola Eric L; Mcodimba Francis; Hollert Henner; Fillinger Ulrike; Liess Matthias	2020	Pesticide pollution in freshwater paves the way for schistosomiasis transmission.	Scientific reports, (2020 Feb 27) Vol. 10, No. 1, pp. 3650. Electronic Publication Date: 27 Feb 2020	⑱
832	Tan, Huadong; Li, Qinfen; Zhang, Huijie; Wu, Chunyuan; Zhao, Shuqiao; Deng, Xiao; Li, Yi	2020	Pesticide residues in agricultural topsoil from the Hainan tropical riverside basin: Determination, distribution, and relationships with planting patterns and surface water	Science of the Total Environment (2020), 722, 137856	⑱
833	Pico, Yolanda; Alvarez-Ruiz, Rodrigo; Alfarhan, Ahmed H.; El-Sheikh, Mohamed A.; Alshahrani, Hamad O.; Barcelo, Damia	2020	Pharmaceuticals, pesticides, personal care products and microplastics contamination assessment of Al-Hassa irrigation network (Saudi Arabia) and its shallow lakes	Science of the Total Environment (2020), 701, 135021	⑱
834	Zioga, Elena; Kelly, Ruth; White, Blanaid; Stout, Jane C.	2020	Plant protection product residues in plant pollen and nectar: A review of current knowledge.	Environmental Research, (October 2020) Vol. 189. arn. 109873. Refs: 115 ISSN: 0013-9351; E-ISSN: 1096-0953 CODEN: ENVRAL	⑱
835	Claus, Gregor; Spanoghe, Pieter	2020	Quantification of pesticide residues in the topsoil of Belgian fruit orchards: terrestrial environmental risk assessment	Pest Management Science (2020) Ahead of Print	⑱

836	Pervez, Mahnoor; Manzoor, Farkhanda Pervez, Mahnoor; Manzoor, Farkhanda	2020	A study on lethal doses of various pesticides on honeybees (Apis mellifera L.) - a laboratory trial	PHYSIOLOGICAL ENTOMOLOGY, (6 2020 NOV 2020) . ISSN: 0307-6962.	50%ショ糖にイミダクロプリドを1.25, 2.5, 5 mg/Lの濃度で4日間、自由摂取させ、その結果LC50が0.477ng/Lとされている。また、5mg/L投与で、4日間の平均死亡率は約40%となっている。毎日の摂餌量を記録したとあるが、ミツバチなしの区を設けておらず、摂餌量の算出に蒸発による減少分が考慮されていないと思われる。仮に100mg/bee/dayで50%ショ糖液を摂取したとすると、5mg/L(死亡率40%)はイミダクロプリドを500ng/bee摂取したことになり、報告されている0.477ng/beeと整合性がない。高濃度のイミダクロプリド含有ショ糖の給餌による忌避により、ほとんど摂餌せず栄養不足となったか、計算違いが想定される。
837	Warne, M. St. J.; Smith, R. A.; Turner, R. D. R.	2020	Analysis of pesticide mixtures discharged to the lagoon of the Great Barrier Reef, Australia	Environmental Pollution (Oxford, United Kingdom) (2020), 265(Part_A), 114088	海外モニタリングであり、日本における評価に利用できない。
838	Mahnoor Pervez; Manzoor, F.	2020	Analysis of pesticide residues in pollen and nectar samples from various agricultural areas of Pakistan through high performance liquid chromatograph.	Sarhad Journal of Agriculture (2020), Volume 36, Number 1, pp. 1-9, 32 refs. ISSN: 1016-4383 DOI: 10.17582/journal.sja/2020/36.1.1.9 Published by: The University of Agriculture, Peshawar	海外モニタリングであり、日本における評価に利用できない。
839	Machado, William A.; Carvalho, Stephan M.; Da Cunha, Joao Paulo A. R.; Silva, Sergio M.; Lemes, Ernane M.	2020	Application technology of imidacloprid in wheat: Effects on Schizaphis graminum management and natural enemies	African Journal of Plant Science (2020), 14(1), 36-44	⑯b
840	Krishnan, Niranjana; Zhang, Yang; Bidne, Keith G.; Hellmich, Richard L.; Coats, Joel R.; Bradbury, Steven P.	2020	Assessing Field-Scale Risks of Foliar Insecticide Applications to Monarch Butterfly (Danaus plexippus) Larvae	Environmental Toxicology and Chemistry (2020) Ahead of Print	⑯b
841	Khan, Nikhat; Yaqub, Ghazala; Hafeez, Tahreem; Tariq, Madiha Editor(S): Zhang, Yifeng Zhang, Yifeng	2020	Assessment of Health Risk due to Pesticide Residues in Fruits, Vegetables, Soil, and Water	Journal of Chemistry, Vol. 2020, 20200101 ISSN: 2090-9063; 2090-9063 E-ISSN: 2090-9071; 2090-9071 DOI: 10.1155/2020/5497952 Published by: Hindawi Limited, New York	海外モニタリングであり、日本における評価に利用できない。
842	Janani, M.; Rani, B. U.; Suresh, K.; Yogapriya, A.	2020	Biosafety of insecticides to the Indian bee Apis cerana indica (F.).	Indian Journal of Entomology (2020) , Volume 82, Number 1, pp. 170-171 ISSN: 0367-8288 DOI: 10.5958/0974-8172.2020.00039.5 Published by: Entomological Society of India, New Delhi	⑯b
843	Pinasseau, Lucie; Wiest, Laure; Volatier, Laurence; Fones, Gary R.; Mills, Graham A.; Mermillod-Blondin, Florian; Vulliet, Emmanuelle	2020	Calibration and field application of an innovative passive sampler for monitoring groundwater quality	Talanta (2020), 208, 120307	地下水サンプリング法

844	Dai, Changchun; Ricupero, Michele; Puglisi, Roberto; Lu, Yanhui; Desneux, Nicolas; Biondi, Antonio; Zappala, Lucia	2020	Can contamination by major systemic insecticides affect the voracity of the harlequin ladybird?	Chemosphere (2020), 256, 126986	⑯b
845	Ebadollahi, Asgar; Sadeghi, Reza	2020	Comparison of the toxicity and repellency of two conventional neonicotinoids and a coconut-derived insecticide soap toward the parasitoid wasp Aphelinus mali Haldeman, 1851	Acta Agriculturae Slovenica (2020), 115(1), 97-103	⑯b
846	Lavanya, D. S.; Matti, Poornima	2020	Compatibility of entomopathogenic fungi, Metarhizium anisopliae with pesticides	International Journal of Current Microbiology and Applied Sciences (2020), 9(2), 714-721	⑯b
847	Rothman, Jason A.; Russell, Kaleigh A.; Leger, Laura; Mcfrederick, Quinn S.; Graystock, Peter	2020	The direct and indirect effects of environmental toxicants on the health of bumblebees and their microbiomes	Proceedings of the Royal Society B: Biological Sciences (2020), 287(1937), 20200980	⑱
848	Setyawan, Y. P.; Naim, M.; Advento, A. D.; Caliman, J. P.	2020	The effect of pesticide residue on mortality and fecundity of Elaeidobius kamerunicus (Coleoptera: Curculionidae).	Hidayat, SH [Editor]; Damayanti [Editor]; Adam, NA [Editor]; Giyanto [Editor]; Sartiami, D [Editor]. (2020) pp. Article No.: 012020. Southeast Asia Plant Protection Conference 2019. Publisher: IOP PUBLISHING LTD, DIRAC HOUSE, TEMPLE BACK, BRISTOL BS1 6B	⑯b
849	El-Masarawy, M. S.; El-Bendary, H. M.; El-Helaly, Alexandra Magdalina Ahmed El-Masarawy, M. S.; El-Helaly, Alexandra Magdalina Ahmed El-Bendary, H. M.	2020	The effect of using imidacloprid and chlorpyrifos and their nanoforms on certain characteristics of honeybeeApis melliferaL.	INTERNATIONAL JOURNAL OF TROPICAL INSECT SCIENCE, (1 2020 OCT 2020) . ISSN: 1742-7584.	⑱
850	Schwartz, Kayla Rachel; Minor, Hannah; Magro, Caitlin; Mcconnell, James; Capani, Jeton; Griffin, Jordan; Doebel, Hartmut Schwartz, Kayla Rachel; Doebel, Hartmut	2020	The neonicotinoid imidacloprid alone alters the cognitive behavior in Apis mellifera L. and the combined exposure of imidacloprid and Varroa destructor mites synergistically contributes to trial attrition	JOURNAL OF APICULTURAL RESEARCH, (19 2020 DEC 2020) . ISSN: 0021-8839.	⑱
851	Khan, Asma; Suleman, Muhammad	2020	The occurrence of priority pesticides in the soil and groundwater of Peshawar	International Journal of Biosciences (2020), 17(6), 253-265	⑱
852	Sanchez-Bayo, Francisco; Tennekes, Henk A.	2020	Time-cumulative toxicity of neonicotinoids : Experimental evidence and implications for environmental risk assessments.	International Journal of Environmental Research and Public Health, (1 Mar 2020) Vol. 17, No. 5. arn. 1629. Refs: 96 ISSN: 1661-7827; E-ISSN: 1660-4601	⑨(公表データの解析)
853	Johnson, J. M.; Deepthy, K. B.; Mani Chellappan; Chellappan, M.	2020	Tolerance of Metarhizium anisopliae Sorokin isolates to selected insecticides and fungicides.	Entomon (2020) , Volume 45, Number 2, pp. 143-148, 16 refs. ISSN: 0377-9335 Published by: Association for Advancement of Entomology, Thiruvanathapuram	⑯b
854	Zhao, Guo-Ping; Yang, Fang-Wei; Li, Jin-Wang; Xing, Han-Zhu; Ren, Fa-Zheng; Pang, Guo-Fang; Li, Yi-Xuan	2020	Toxicities of Neonicotinoid -Containing Pesticide Mixtures on Nontarget Organisms.	Environmental Toxicology and Chemistry, (1 Oct 2020) Vol. 39, No. 10, pp. 1884-1893. Refs: 78 ISSN: 0730-7268; E-ISSN: 1552-8618 CODEN: ETOCDK	⑧
855	Harwood, Gyan P.; Dolezal, Adam G.	2020	Pesticide-virus interactions in honey bees : Challenges and opportunities for understanding drivers of bee declines.	Viruses, (May 2020) Vol. 12, No. 5. arn. 566. Refs: 180 E-ISSN: 1999-4915	⑧
856	Peterson Eric M; Green Frank B; Smith Philip N	2020	Pesticides Used on Beef Cattle Feed Yards Are Aerially Transported into the Environment Via Particulate Matter.	Environmental science and technology, (2020 Sep 29) . Electronic Publication Date: 29 Sep 2020	⑱

857	Zuma, Olieve G.; Harvey, Kerinne J.; Olckers, Terence	2020	Pesticides selected for natural-enemy exclusion trials in South Africa do not influence the growth and reproduction of invasive Senecio Madagascariensis	Canadian Journal of Pure and Applied Sciences (2020), 14(3), 5093-5096	⑱
858	Sengupta, Sagnik; Leinaas, Hans Petter; Van Gestel, Cornelis A. M.; Rundberget, Jan Thomas; Borga, Katrine	2020	A Multiple Life-History Trait-Based and Time-Resolved Assessment of Imidacloprid Effects and Recovery in the Widely Distributed Collembolan Folsomia quadrioculata	Environmental Toxicology and Chemistry (2020) Ahead of Print	⑯b
859	Marques, R. D.; Lima, M. A. P.; Bernardes, R. C.	2020	A Spinosad-Based Formulation Reduces the Survival and Alters the Behavior of the Stingless Bee Plebeia lucii	Neotropical Entomology (2020), 49(4), 578-585	⑯b
860	Martinello, Marianna; Manzinello, Chiara; Borin, Alice; Avram, Larisa Elena; Dainese, Nicoletta; Giuliato, Ilenia; Gallina, Albino; Mutinelli, Franco	2020	A Survey from 2015 to 2019 to Investigate the Occurrence of Pesticide Residues in Dead Honeybees and Other Matrices Related to Honeybee Mortality Incidents in Italy.	Diversity-Basel, (JAN 2020) Vol. 12, No. 1, pp. Article No.: 15. E-ISSN: 1424-2818.	死亡したミツバチの農薬分析。
861	Phan, Ngoc T.; Joshi, Neelendra K.; Rajotte, Edwin G.; Lopez-Uribe, Margarita M.; Zhu, Fang; Biddinger, David J.	2020	A new ingestion bioassay protocol for assessing pesticide toxicity to the adult Japanese orchard bee (Osmia cornifrons)	Scientific Reports (2020), 10(1), 9517	⑯b
862	Dulumoni, Tamuly; Caroline, Basumata; Ratul, Nath; Mithra, Dey	2020	Acute and chronic effects of imidacloprid to anuran tadpoles (Polypedates teraiensis)	Research Journal of Chemistry and Environment (2020), 24(10), 25-30	⑯b
863	Shan, Yin-Xue; Zhu, Yang; Li, Jing-Jing; Wang, Nian-Meng; Yu, Qi-Tong; Xue, Chao-Bin	2020	Acute lethal and sublethal effects of four insecticides on the lacewing (Chrysoperla sinica Tjeder)	Chemosphere (2020), 250, 126321	⑯b
864	Marins, Aline Teixeira; Severo, Eduardo Stringini; Leitemperger, Jossiele Wesz; Cerezer, Cristina; Muller, Talise Elwanger; Costa, Maiara Dorneles; Weimer, Gustavo Henrique; Bandeira, Nelson Miguel Grubel; Prestes, Osmar Damian; Zanella, Renato; Loro, Van	2020	Assessment of River Water Quality in an Agricultural Region of Brazil Using Biomarkers in a Native Neotropical Fish, Astyanax spp. (Characidae)	Bulletin of Environmental Contamination and Toxicology (2020), 104(5), 575-581	⑯b ⑰
865	Kumar, Sushil; Sachan, Sk; Singh, Rajendra; Singh, D. V.	2020	Bio-efficacy of some newer insecticides and biopesticides against whitefly (Bemisia tabaci Gennadius) in Brinjal ecosystem	International Journal of Chemical Studies (2020), 8(5), 1883-1888	⑯b
866	Crayton, Sara M.; Wood, Petra B.; Brown, Donald J.; Millikin, Alice R.; Mcmanus, Terence J.; Simpson, Tyler J.; Ku, Kang-Mo; Park, Yong-Lak Crayton, Sara M.; Millikin, Alice R. Wood, Petra B. Brown, Donald J. Mcmanus, Terence J. Simpson, Tyler J.; Park, Y	2020	Bioaccumulation of the pesticide imidacloprid in stream organisms and sublethal effects on salamanders	GLOBAL ECOLOGY AND CONSERVATION, (2020 DEC 2020) Vol. 24. ISSN: 2351-9894.	⑯b
867	Lewis, Jacquelyn L.; Agostini, Gabriela; Jones, Devin K.; Relyea, Rick A.	2020	Cascading effects of insecticides and road salt on wetland communities	Environmental Pollution (Oxford, United Kingdom) (2020) Ahead of Print	⑱
868	Robinson, Alex; Lahive, Elma; Short, Stephen; Carter, Heather; Sleep, Darren; Pereira, Gloria; Kille, Peter; Spurgeon, David	2020	Chemicals with increasingly complex modes of action result in greater variation in sensitivity between earthworm species	Environmental Pollution (Oxford, United Kingdom) (2020) Ahead of Print	⑯b

869	Ito, Hiroshi C.; Shiraishi, Hiroaki; Nakagawa, Megumi; Takamura, Noriko	2020	Combined impact of pesticides and other environmental stressors on animal diversity in irrigation ponds	PLoS One (2020), 15(7), e0229052	各種の農薬やその他の環境要因と生物種の関係について調べているが、評価に用いることのできるエンドポイントは得られておらず、またイミダクロプリドによる影響は示されていない。
870	Kuchovska, Eliska; Morin, Benedicte; Lopez-Cabeza, Rocio; Barre, Mathilde; Gouffier, Corentin; Blahova, Lucie; Cachot, Jerome; Blaha, Ludek; Gonzalez, Patrice	2020	Comparison of imidacloprid , propiconazole, and nanopropiconazole effects on the development, behavior , and gene expression biomarkers of the Pacific oyster (Magallana gigas)	Science of the Total Environment (2020) Ahead of Print	⑯b
871	Perdikis, Dionyssios; Psaroudaki, Stavroula; Papadoulis, Georgios	2020	Compatibility of Nesidiocoris tenuis and Iphiseius degenerans with insecticides, miticides and fungicides used in tomato crops.	Bulletin of Insectology, (DEC 2020) Vol. 73, No. 2, pp. 181-192. ISSN: 1721-8861. E-ISSN: 2283-0332.	⑯b
872	Kopparthi, A. V. S.	2020	Compatibility of biopesticides with insecticides in IPM.	Indian Journal of Entomology (2020) , Volume 82, Number 3, pp. 588-592 ISSN: 0367-8288 DOI: 10.5958/0974-8172.2020.00146.7 Published by: Entomological Society of India, New Delhi	⑯b
873	Zhou Yitong; Li Qingxue; Wang Bin; Duan Lei; An Wenkai; Zhang Yizhe; Wang Fang; Xu Dongjiong; Yu Gang	2020	Distribution and Ecotoxicological Risk Assessment of Pesticides in Surface Water of the Northwest of Taihu Lake Basin	Shengtai Duli Xuebao (2020), 15(3), 174-186	⑲
874	Murcia Morales, Maria; Gomez Ramos, Maria Jose; Parrilla Vazquez, Piedad; Diaz Galiano, Francisco Jose; Garcia Valverde, Mar; Gamiz Lopez, Victoria; Manuel Flores, Jose; Fernandez-Alba, Amadeo R.	2020	Distribution of chemical residues in the beehive compartments and their transfer to the honeybee brood	Science of the Total Environment (2020), 710, 136288	イミダクロプリドは分析されているが、移行性等の検討は他の農薬。
875	Akbari, S.; Mirfakhraie, S.; Aramideh, S.; Safaralizadeh, M. H.	2020	Effect of fungal isolates and imidacloprid on cabbage aphid Brevicoryne brassicae and its parasitoid Diaeretiella rapae.	Zemdirbyste (Agriculture) (2020), Volume 107, Number 3, pp. 255-262, 37 refs. ISSN: 1392-3196 DOI: 10.13080/z-a.2020.107.033 Published by: Lithuanian Research Centre for Agriculture and Forestry, Kedainiai	⑯b
876	Hussein, R.; El-Saydeh, H. K.; Bachir, A.	2020	Effect of insecticides used in the control of insect pests in tomato fields in Quneitra governorate in Syria on some insect predators.	Arab Journal of Plant Protection (2020) , Volume 38, Number 2, pp. 162-171, 41 refs. ISSN: 0255-982X; 2412-5407 Published by: Arab Society for Plant Protection, Beirut	⑲
877	Ma Xue; Han Ying; Han Xu; Su Yue; Li Zhixiong; Xiong Renci; Yao Yongsheng	2020	Effects on Development and Fecundity of Coccinella undecimpunctata Fed on Aphis gossypii Treated with Sublethal Doses of Three Different Insecticides	Xinjiang Nongye Kexue (2020), 57(6), 138-144	⑲
878	Zhao, Lei; Yang, Ye; Wang, Meng; Ma, Xiaoyan	2020	Efficacy of a new strain of Beauveria bassiana against the melon fruit fly, Zeugodacus cucurbitae (diptera: tephritidae)	International Journal of Agriculture and Biology (2020), 24(4), 725-729	⑯b
879	De Souza, Ellen Patricia; Degrande, Paulo Eduardo; Guazina, Renato Anastacio; Alves Junior, Valter Vieira	2020	Exposure of Apis mellifera (Hymenoptera: Apidae) to pollen grains of soybean plants (Glycine max L.) originated from treated seeds.	Arquivos do Instituto Biologico Sao Paulo, (2020) Vol. 87, pp. Article No.: e0392019.	⑰

880	Gooley, Zuyi C.; Gooley, Aaron C.	2020	Exposure to field-realistic concentrations of imidacloprid at different ambient temperatures disrupts non-flight metabolic rate in honey bee (Apis mellifera) foragers.	Bulletin of Insectology, (DEC 2020) Vol. 73, No. 2, pp. 161-170. ISSN: 1721-8861. E-ISSN: 2283-0332.	⑱
881	Poliserpi, Maria Belen; Cristos, Diego Sebastian; Brodeur, Julie Celine	2020	Imidacloprid seed coating poses a risk of acute toxicity to small farmland birds : A weight-of-evidence analysis using data from the grayish baywing Agelaioides badius	Science of the Total Environment (2020) Ahead of Print	⑭
882	Kulkarni, N. S.; Kumar, Vinod Kulkarni, N. S.; Kumar, Vinod	2020	Influence of aphids Aphis craccivora on yield parameters of lucerne (Medicago sativa L.) and their management with different IPM components	RANGE MANAGEMENT AND AGROFORESTRY, (2020 JUN 2020) Vol. 41, No. 1, pp. 178-181. ISSN: 0971-2070.	⑯b
883	Kozak, V. M.; Romanenko, E. R.; Brygadyrenko, V. V.	2020	Influence of herbicides, insecticides and fungicides on food consumption and body weight of Rossiulus kessleri (Diplopoda, Julidae).	Biosystems Diversity (2020) , Volume 28, Number 3, pp. 272-280, 37 refs. ISSN: 2519-8513 DOI: 10.15421/012036 Published by: Oles Honchar Dnipropetrovsk National University, Dnipropetrovsk	⑯b
884	Singla, Akanksha; Barmota, Heena; Kumar Sahoo, Sanjay; Kaur Kang, Balpreet Singla, Akanksha; Kaur Kang, Balpreet	2020	Influence of neonicotinoids on pollinators: A review	JOURNAL OF APICULTURAL RESEARCH, (2 2020 OCT 2020) . ISSN: 0021-8839.	⑧
885	Cecala Jacob M; Baronia Danelle Angeline; Wilson Rankin Erin E	2020	Sugar content of diet does not buffer against chronic oral imidacloprid exposure in the alfalfa leafcutting bee (Hymenoptera: Megachilidae).	Journal of economic entomology, (2020 Oct 01) . Electronic Publication Date: 1 Oct 2020	⑯b
886	Vidal Tania; Santos Martha; Santos Joana I; Luis Ana T; Pereira Mario J; Abrantes Nelson; Goncalves Fernando J M; Pereira Joana L	2020	Testing the response of benthic diatom assemblages to common riverine contaminants.	The Science of the total environment, (2020 Sep 29) Vol. 755, No. Pt 1, pp. 142534. Electronic Publication Date: 29 Sep 2020	⑭
887	Jian Lu; Jiajia Zhang; Peipei Wang; Hui Qing; Guoqin Zhou	2020	Toxicity and safety evaluation of two pesticides against red swamp crayfish Procambarus clarkii and Chinese mitten crab Eriocheir sinensis.	Fisheries Science, China (2020) , Volume 39, Number 6, pp. 908-914, 30 refs. ISSN: 1003-1111 DOI: 10.16378/j.cnki.1003-1111.2020.06.016	⑯b
888	Freitas, L.M.; Paranaiba, J.F.F.S.; Perez, A.P.S.; Machado, M.R.F.; Lima, F.C.	2020	Toxicity of pesticides in lizards.	Human and Experimental Toxicology, (1 May 2020) Vol. 39, No. 5, pp. 596-604. Refs: 35 ISSN: 0960-3271; E-ISSN: 1477-0903 CODEN: HETOEA	⑯b
889	Rosa-Fontana, Annelise De Souza; Dorigo, Adna Suelen; Soares-Lima, Hellen Maria; Ferreira Nocelli, Roberta Cornelio; Malaspina, Osmar Rosa-Fontana, Annelise De Souza; Malaspina, Osmar Ferreira Nocelli, Roberta Cornelio	2020	Is the Water Supply a Key Factor in Stingless Bees Intoxication ?	JOURNAL OF INSECT SCIENCE, (12 2020 NOV 2020) Vol. 20, No. 6.	⑯b
890	Patel, L. C.	2020	Laboratory contact effect of some insecticides on predatory assasin bug, Rhynocoris marginatus Fabricius (Reduviidae: Hemiptera)	International Journal of Chemical Studies (2020), 8(6), 767-770	⑯b
891	Lobez, Isaac Mestres	2020	Lethality of Imidacloprid and Fipronil on Apis mellifera: a retrospective analysis on the French case	Journal of Agricultural Science and Technology A (2020), 10(3), 123-127	⑨
892	Cassidy V C; Mccarty E P; Asaro C	2020	Limited Scope Risk Assessment for Nontarget Ground - Dwelling Arthropods From Systemic Insecticide Applications to Young Pines.	Environmental entomology, (2020 Dec 12) . Electronic Publication Date: 12 Dec 2020	⑯b

893	Bighiu, Maria Alexandra; Hoess, Sebastian; Traunspurger, Walter; Kahlert, Maria; Goedkoop, Willem	2020	Limited effects of pesticides on stream macroinvertebrates, biofilm nematodes, and algae in intensive agricultural landscapes in Sweden	Water Research (2020), 174, 115640	⑰
894	Rix, R. R.; Cutler, G. C.	2020	Low Doses of a Neonicotinoid Stimulate Reproduction in a Beneficial Predatory Insect.	Journal of Economic Entomology, (OCT 2020) Vol. 113, No. 5, pp. 2179-2186.	⑯b
895	Hussain, A.; Audira, G.; Malhotra, N.; Uapipatanakul, B.; Chen Jungren; Lai Yuheng; Huang Jongchin; Chen, K. H. C.; Lai Hongthih; Hsiao Chungder; Boontida Uapipatanakul; Chen, J. R.; Lai, Y. H.; Huang, J. C.; Lai, H. T.; Hsiao, C. D.	2020	Multiple screening of pesticides toxicity in Zebrafish and daphnia based on locomotor activity alterations.	Biomolecules (2020) , Volume 10, Number 9, 56 refs. DOI: 10.3390/biom10091224 Published by: MDPI AG, Basel	⑱
896	Saleem, Muhammad Shoaib; Huang, Zachary Y.; Milbrath, Meghan O.	2020	Neonicotinoid Pesticides Are More Toxic to Honey Bees at Lower Temperatures: Implications for Overwintering Bees.	Frontiers in Ecology and Evolution, (OCT 19 2020) Vol. 8, pp. Article No.: 556856. ISSN: 2296-701X. E-ISSN: 2296-701X.	⑱(ミツバチに対する毒性(死亡)への温度による影響を調べているが、1濃度のみ)
897	Browne, D.; Levison, J.; Limay-Rios, V.; Novakowski, K.; Schaafsma, A. Browne, D.; Levison, J. Limay-Rios, V.; Schaafsma, A. Novakowski, K.	2020	Neonicotinoids in groundwater : presence and fate in two distinct hydrogeologic settings in Ontario, Canada	HYDROGEOLOGY JOURNAL, (14 2020 OCT 2020) . ISSN: 1431-2174.	⑰
898	Stuligross, Clara; Williams, Neal M.	2020	Pesticide and resource stressors additively impair wild bee reproduction: Stressors additively impair wild bees	Proceedings of the Royal Society B: Biological Sciences (1 Sep 2020) Volume 287, Number 1935, arn: 20201390, 64 refs. CODEN: PRLBA4 ISSN: 0962-8452 E-ISSN: 1471-2954 DOI: 10.1098/rspb.2020.1390 Published by: Royal Society Publishing,	⑯b
899	Covert, S. Alex.; Shoda, Megan E.; Stackpoole, Sarah M.; Stone, Wesley W.	2020	Pesticide mixtures show potential toxicity to aquatic life in U.S. streams, water years 2013-2017	Science of the Total Environment (2020) Ahead of Print	⑰
900	Maneesha, A.; Rao, S. R. Koteswara; Krishna, T. Murali; Sudhakar, P.	2020	Safety evaluation of certain insecticides on Cryptolaemus montrouzieri mulsant	IOSR Journal of Applied Chemistry (2020), 13(10-1), 19-26	⑯b
901	Queiroz, Lucas Goncalves; Do Prado, Caio Cesar Achiles; De Almeida, Eryka Costa; Dorr, Felipe Augusto; Pinto, Ernani; Da Silva, Flavio Teixeira; De Paiva, Teresa Cristina Brazil	2020	Responses of Aquatic Nontarget Organisms in Experiments Simulating a Scenario of Contamination by Imidacloprid in a Freshwater Environment	Archives of Environmental Contamination and Toxicology (2020) Ahead of Print	⑭
902	Lu, Chensheng; Chang, Chi-Hsuan; Lemos, Bernardo; Zhang, Quan; Macintosh, David	2020	Mitochondrial Dysfunction: A Plausible Pathway for Honeybee Colony Collapse Disorder (CCD)	Environmental Science and Technology Letters (2020) Ahead of Print	⑱
903	Main, Anson R.; Webb, Elisabeth B.; Goyne, Keith W.; Mengel, Doreen	2020	Reduced species richness of native bees in field margins associated with neonicotinoid concentrations in non-target soils	Agriculture, Ecosystems and Environment (2020), 287, 106693	⑱
904	Macaulay, Samuel J.; Hageman, Kimberly J.; Piggott, Jeremy J.; Matthaei, Christoph D.	2021	Time-cumulative effects of neonicotinoid exposure , heatwaves and food limitation on stream mayfly nymphs: A multiple-stressor experiment	Science of the Total Environment (2021), 754, 141941	⑯b
905	Fisher, Irene J.; Phillips, Patrick J.; Bayraktar, Banu N.; Chen, Shirley; Mccarthy, Brendan A.; Sandstrom, Mark W.	2021	Pesticides and their degradates in groundwater reflect past use and current management strategies, Long Island, New York, USA	Science of the Total Environment (2021), 752, 141895	⑱
906	Fortuin, Christine Cairns; Mccarty, Elizabeth; Gandhi, Kamal J. K.	2021	Acute contact with imidacloprid in soil affects the nesting and survival success of a solitary wild bee , Osmia lignaria (Hymenoptera: Megachilidae)	Chemosphere (2021), 264(Part_2), 128572	⑯b

907	Milone, Joseph P.; Chakrabarti, Priyadarshini; Sagili, Ramesh R.; Tarpy, David R.	2021	Colony-level pesticide exposure affects honey bee (Apis mellifera L.) royal jelly production and nutritional composition	Chemosphere (2021), 263, 128183	⑱
908	Hrynko, Izabela; Lozowicka, Bozena; Kaczynski, Piotr	2021	Development of precise micro analytical tool to identify potential insecticide hazards to bees in guttation fluid using LC-ESI-MS/MS	Chemosphere (2021), 263, 128143	⑤
909	Willis Chan, D. Susan; Raine, Nigel E.	2021	Population decline in a ground-nesting solitary squash bee (Eucera pruinosa) following exposure to a neonicotinoid insecticide treated crop (Cucurbita pepo)	Scientific Reports (2021), 11(1), 4241	⑯b
910	Matos, Wallace Borges; Santos, Ane Caroline Celestino; Lima, Ana Paula Santana; Santana, Emile Dayara Rabelo; Silva, Jefferson Elias; Blank, Arie Fitzgerald; Araujo, Ana Paula Albano; Bacci, Leandro	2021	Potential source of ecofriendly insecticides: Essential oil induces avoidance and cause lower impairment on the activity of a stingless bee than organosynthetic insecticides, in laboratory	Ecotoxicology and Environmental Safety (2021), 209, 111764	⑯b
911	Mahai, Gaga; Wan, Yanjian; Xia, Wei; Wang, Aizhen; Shi, Lisha; Qian, Xi; He, Zhenyu; Xu, Shunqing	2021	A nationwide study of occurrence and exposure assessment of neonicotinoid insecticides and their metabolites in drinking water of China	Water Research (2021), 189, 116630	⑰
912	Saka, Masahiro; Tada, Noriko	2021	Acute and chronic toxicity tests of systemic insecticides, four neonicotinoids and fipronil, using the tadpoles of the western clawed frog Silurana tropicalis	Chemosphere (2021), 270, 129418	⑯b
913	Butcherine, Peter; Kelaher, Brendan P.; Taylor, Matthew D.; Lawson, Corinne; Benkendorff, Kirsten	2021	Acute toxicity , accumulation and sublethal effects of four neonicotinoids on juvenile Black Tiger Shrimp (Penaeus monodon)	Chemosphere (2021), 275, 129918	⑯b
914	De Lima E Silva, Claudia; Van Haren, Claire; Mainardi, Giulia; De Rooij, Winona; Ligtelijn, Michella; Van Straalen, Nico M.; Van Gestel, Cornelis A. M.	2021	Bringing ecology into toxicology: Life-cycle toxicity of two neonicotinoids to four different species of springtails in LUFA 2.2 natural soil	Chemosphere (2021), 263, 128245	⑯b
915	Fuertes, Inmaculada; Barata, Carlos	2021	Characterization of neurotransmitters and related metabolites in Daphnia magna juveniles deficient in serotonin and exposed to neuroactive chemicals that affect its behavior: A targeted LC-MS/MS method	Chemosphere (2021), 263, 127814	⑱
916	Ansell, Graham R.; Frewin, Andrew J.; Gradish, Angela E.; Scott-Dupree, Cynthia D.	2021	Contact toxicity of three insecticides for use in tier I pesticide risk assessments with Megachile rotundata (Hymenoptera: Megachilidae).	PeerJ, (23 Feb 2021) Vol. 9. arn. e10744. Refs: 41 E-ISSN: 2167-8359	⑯b
917	Bruggemann Maria; Hund-Rinke Kerstin; Bohmer Walter; Schaefers Christoph	2021	Development of an alternative test system for chronic testing of lotic macroinvertebrate species - a case study with the insecticide imidacloprid .	Environmental toxicology and chemistry, (2021 Apr 12) . Electronic Publication Date: 12 Apr 2021	⑯b
918	Perez, Debora J.; Iturburu, Fernando G.; Calderon, Gabriela; Oyesqui, Lia A. E.; De Geronimo, Eduardo; Aparicio, Virginia C.	2021	Ecological risk assessment of current-use pesticides and biocides in soils, sediments and surface water of a mixed land-use basin of the Pampas region, Argentina	Chemosphere (2021), 263, 128061	⑰

919	Bijlsma, Lubertus; Pitarch, Elena; Hernandez, Felix; Fonseca, Eddie; Marin, Jose M.; Ibanez, Maria; Portoles, Tania; Rico, Andreu	2021	Ecological risk assessment of pesticides in the Mijares River (eastern Spain) impacted by citrus production using wide-scope screening and target quantitative analysis	Journal of Hazardous Materials (2021), 412, 125277	⑰
920	Bernardino Murilo Martins; Alves Paulo Roger Lopes; De Santo Fernanda Benedet; Niemeyer Julia Carina; Leal Rafael Marques Pereira	2021	Ecotoxicity of imidacloprid to soil invertebrates in two tropical soils with contrasting texture.	Environmental science and pollution research international, (2021 Jan 29) . Electronic Publication Date: 29 Jan 2021	⑯b
921	Marins, Aline Teixeira; Severo, Eduardo Stringini; Cerezer, Cristina; Leitemperger, Jossiele Wesz; Muller, Talise Ellwanger; Floriano, Luana; Prestes, Osmar Damian; Zanella, Renato; Loro, Vania Lucia	2021	Environmentally relevant pesticides induce biochemical changes in Nile tilapia (Oreochromis niloticus)	Ecotoxicology (2021) Ahead of Print	⑯b
922	Siregar, Petrus; Suryanto, Michael Edbert; Chen, Kelvin H.-C.; Huang, Jong-Chin; Chen, Hong-Ming; Kurnia, Kevin Adi; Santoso, Fiorency; Hussain, Akhlaq; Hieu, Bui Thi Ngoc; Saputra, Ferry; Audira, Gilbert; Roldan, Marri Jmelou M.; Fernandez, Rey Arturo; M	2021	Exploiting the freshwater shrimp Neocaridina denticulata as aquatic invertebrate model to evaluate nontargeted pesticide induced toxicity by investigating physiologic and biochemical parameters	Antioxidants (2021), 10(3), 391	⑭
923	Camp, Allison A.; Lehmann, David M.	2021	Impacts of Neonicotinoids on the Bumble Bees Bombus terrestris and Bombus impatiens Examined through the Lens of an Adverse Outcome Pathway Framework.	Environmental Toxicology and Chemistry, (February 2021) Vol. 40, No. 2, pp. 309-322. Refs: 128 ISSN: 0730-7268; E-ISSN: 1552-8618 CODEN: ETOCDK	⑧
924	Almeida, Carlos H. S.; Haddi, Khalid; Toledo, Pedro F. S.; Rezende, Sarah M.; Santana, Weyder C.; Guedes, Raul Narciso C.; Newland, Philip L.; Oliveira, Eugenio E.	2021	Sublethal agrochemical exposures can alter honey bees and Neotropical stingless bees color preferences, respiration rates, and locomotory responses	Science of the Total Environment (2021), 779, 146432	⑭ ⑱
925	Peterson, Eric M.; Green, Frank B.; Smith, Philip N.	2021	Toxic responses of blue orchard mason bees (Osmia lignaria) following contact exposure to neonicotinoids, macrocyclic lactones, and pyrethroids	Ecotoxicology and Environmental Safety (2021), 208, 111681	⑯b
926	Akhtar, Zunnu Raen; Tariq, Kaleem; Handler, Alfred M.; Ali, Asad; Ullah, Farman; Ali, Farman; Zang, Lian-Sheng; Gulzar, Asim; Ali, Sajjad	2021	Toxicological risk assessment of some commonly used insecticides on Cotesia flavipes, a larval parasitoid of the spotted stem borer Chilo partellus	Ecotoxicology (2021) Ahead of Print	⑯b
927	Belsky Joseph; Biddinger David J; Joshi Neelendra K	2021	Whole-Body Acute Contact Toxicity of Formulated Insecticide Mixtures to Blue Orchard Bees (Osmia lignaria).	Toxics, (2021 Mar 17) Vol. 9, No. 3. Electronic Publication Date: 17 Mar 2021	⑯b
928	Moeris, Samuel; Vanryckeghem, Francis; Demeestere, Kristof; De Schamphelaere, Karel A. C.	2021	Neonicotinoid Insecticides from a Marine Perspective: Acute and Chronic Copepod Testing and Derivation of Environmental Quality Standards	Environmental Toxicology and Chemistry (2021) Ahead of Print	⑯b
929	English, Simon G.; Sandoval-Herrera, Natalia I.; Bishop, Christine A.; Cartwright, Melissa; Maisonneuve, France; Elliott, John E.; Welch Jr., Kenneth C.	2021	Neonicotinoid pesticides exert metabolic effects on avian pollinators	Scientific Reports (2021), 11(1), 2914	日本の評価に用いられるエンドポイント(死亡)が得られていない
930	Kavanagh Saorla; Henry Michael; Stout Jane C; White Blanaid	2021	Neonicotinoid residues in honey from urban and rural environments.	Environmental science and pollution research international, (2021 Feb 02) . Electronic Publication Date: 2 Feb 2021	⑰

931	Wang Tielong; Zhong Mengmeng; Lu Meiling; Xu Dongjiong; Xue Yingang; Huang Jun; Blaney Lee; Yu Gang	2021	Occurrence, spatiotemporal distribution, and risk assessment of current-use pesticides in surface water : A case study near Taihu Lake, China.	The Science of the total environment, (2021 Mar 29) Vol. 782, pp. 146826. Electronic Publication Date: 29 Mar 2021	⑰
932	Fernandez-Perez, Manuel	2007	Controlled release systems to prevent the agro-environmental pollution derived from pesticide use	Journal of Environmental Science and Health, Part B: Pesticides, Food Contaminants, and Agricultural Wastes (2007), 42(7), 857-862	⑱(コントロールリリース製剤による環境動態)
933	Peterson, Chris J.	2007	Imidacloprid mobility and longevity in soil columns at a termiticidal application rate	Pest Management Science (2007), 63(11), 1124-1132	⑰
934	Bortoluzzi, Edson C.; Rheinheimer, Danilo S.; Goncalves, Celso S.; Pellegrini, Joao B. R.; Maroneze, Aline M.; Kurz, Marcia H. S.; Bacar, Nadia M.; Zanella, Renato	2007	Investigation of the occurrence of pesticide residues in rural wells and surface water following application to tobacco	Quimica Nova (2007), 30(8), 1872-1876	⑰
935	Horwood, Martin A.	2007	Rapid degradation of termiticides under field conditions.	Australian Journal of Entomology, (2007) Vol. 46, No. Part 1, pp. 75-78. ISSN: 1326-6756.	⑰
936	Hernandez, Felix; Marin, Jose M.; Pozo, Oscar J.; Sancho, Juan V.; Lopez, Francisco J.; Morell, Ignacio	2008	Pesticide residues and transformation products in groundwater from a Spanish agricultural region on the Mediterranean Coast	International Journal of Environmental Analytical Chemistry (2008), 88(6), 409-424	⑰
937	Saran, Raj K.; Kamble, Shripat T.	2008	Concentration-dependent degradation of three termiticides in soil under laboratory conditions and their bioavailability to eastern subterranean termites (Isoptera: Rhinotermitidae)	Journal of Economic Entomology (2008), 101(4), 1373-1383	⑰ シロアリ剤特有の処理量に基づいており、農薬では考えられない高濃度。
938	Schippers, Nicole; Schwack, Wolfgang	2008	Photochemistry of imidacloprid in model systems	Journal of Agricultural and Food Chemistry (2008), 56(17), 8023-8029	適切に評価できる試験系で実施されていない。
939	Anhalt, Jennifer C.; Moorman, Thomas B.; Koskinen, William C.	2008	Degradation and sorption of imidacloprid in dissimilar surface and subsurface soils.	J. Environ. Sci. Health, Part B, Volume 43, Issue 3, Page 207-213, Publication Year 2008	⑱
940	Carbo, Leandro; Souza, Valeria; Dores, Eliana F. G. C.; Ribeiro, Maria L.	2008	Determination of pesticides multiresidues in shallow groundwater in a cotton-growing region of Mato Grosso, Brazil	Journal of the Brazilian Chemical Society (2008), 19(6), 1111-1117	⑰
941	El-Hamady, Sherif E.; Kubiak, R.; Derbalah, Aly S.	2008	Fate of imidacloprid in soil and plant after application to cotton seeds	Chemosphere (2008), 71(11), 2173-2179	⑰
942	Davis, Aaron; Lewis, Stephen; Bainbridge, Zoe; Brodie, Jon; Shannon, Evan.	2008	Pesticide residues in waterways of the lower burdekin region: challenges in ecotoxicological interpretation of monitoring data.	Australas. J. Ecotoxicol., Volume 14, Issue 2 and 3, Page 89-108, Publication Year 2008	⑰
943	Wohlers, Jens; Koh, In-Ock; Thiemann, Wolfram; Rotard, Wolfgang.	2009	Application of an Air Ionization Device Using an Atmospheric Pressure Corona Discharge Process for Water Purification.	Water, Air, Soil Pollut., Volume 196, Issue 1-4, Page 101-113, Publication Year 2009	⑱
944	Kitsiou, V.; Filippidis, N.; Mantzavinos, D.; Poulios, I.	2009	Heterogeneous and homogeneous photocatalytic degradation of the insecticide imidacloprid in aqueous solutions	Applied Catalysis, B: Environmental (2009), 86(1-2), 27-35	光触媒を用いた試験であり評価に利用できない。
945	Coscolla, Clara; Yusa, Vicent; Beser, M. Isabel; Pastor, Agustin	2009	Multi-residue analysis of 30 currently used pesticides in fine airborne particulate matter (PM 2.5) by microwave-assisted extraction and liquid chromatography-tandem mass spectrometry	Journal of Chromatography A (2009), 1216(51), 8817-8827	⑰
946	Juraske, Ronnie; Castells, Francesc; Vijay, Ashwin; Munoz, Pere; Anton, Assumpcio.	2009	Uptake and persistence of pesticides in plants: Measurements and model estimates for imidacloprid after foliar and soil application.	J. Hazard. Mater., Volume 165, Issue 1-3, Page 683-689, Publication Year 2009	⑮

947	Dusek, Jaromir; Sanda, Martin; Loo, Binh; Ray, Chittaranjan	2010	Field leaching of pesticides at five test sites in Hawaii: study description and results	Pest Management Science (2010), 66(6), 596-611	⑰
948	Schriks, Merijn; Heringa, Minne B.; Van Der Kooi, Margaretha M. E.; De Voogt, Pim; Van Wezel, Annemarie P.	2010	Toxicological relevance of emerging contaminants for drinking water quality.	Water Res., Volume 44, Issue 2, Page 461-476, Publication Year 2010	⑨
949	Koterba, Michael T.; Dieter, Cheryl A.; Miller, Cherie V.	2010	Pesticides in groundwater in the Anacostia River and Rock Creek watersheds in Washington, D.C., 2005 and 2008	Scientific Investigations Report (United States Geological Survey) (2010), 2010-5130, i-vi, 1-90	⑰
950	Mandal, Kousik; Chahil, G. S.; Sahoo, S. K.; Battu, R. S.; Singh, Balwinder	2010	Dissipation Kinetics of .beta.-Cyfluthrin and Imidacloprid in Brinjal and Soil Under Subtropical Conditions of Punjab, India	Bulletin of Environmental Contamination and Toxicology (2010), 84(2), 225-229	⑭ ⑰
951	Fernandez-Perez, M.; Garrido-Herrera, F. J.; Gonzalez-Pradas, E.	2011	Alginate and lignin-based formulations to control pesticides leaching in a calcareous soil	Journal of Hazardous Materials (2011), 190(1-3), 794-801	⑱
952	Pandiselvi, Velmurugan; Sathiyanarayanan, Sivanandam; Ramesh, Atmakuru	2011	Dissipation of spirotetramat and imidacloprid in four different tropical soils-confirmation of residues by electrospray tandem mass spectrometry	Pesticide Research Journal (2011), 23(1), 45-51	⑰
953	Licciardello, Feliciana; Antoci, Maria Lucia; Brugaletta, Luana; Cirelli, Giuseppe Luigi	2011	Evaluation of groundwater contamination in a coastal area of south-eastern Sicily	Journal of Environmental Science and Health, Part B: Pesticides, Food Contaminants, and Agricultural Wastes (2011), 46(6), 498-508	⑰
954	Temple, Whitney B.; Johnson, Henry M.	2011	Occurrence and distribution of pesticides in surface waters of the Hood River basin, Oregon, 1999-2009	Scientific Investigations Report (United States Geological Survey) (2011), 2011-5082, i-viii, 1-83	⑰
955	Jindal, Tanu	2011	Risk assessment of ground water contamination by imidacloprid and endosulfan leaching in three different types of soils and cropping practices	Pesticide Research Journal (2011), 23(1), 18-22	⑰
956	Miyajiri, Kumi; Kondo, Hirofumi; Kaba, Toshiyuki	2012	LC/MS/MS method for determination of pesticides in waste water from golf course and results of environmental survey	Kyoto-fu Hoken Kankyo Kenkyusho Nenpo (2012), 57, 102-106	京都府保健環境研究所年報であり査読付き雑誌ではない。
957	Bajeer, Muhammad Ashraf; Nizamani, Shafi Muhammad; Sherazi, Syed Tufail Hussain; Bhanger, Muhammad Iqbal	2012	Adsorption and Leaching Potential of Imidacloprid Pesticide through Alluvial Soil	American Journal of Analytical Chemistry. Vol. 3, no. 8, 604 p. Aug 2012. ISSN: 2156-8251 E-ISSN: 2156-8278 Published by: Scientific Research Publishing	吸着試験を実施しているが物質収支、試験温度、土壌水比等が記載されていない。
958	Plaza-Bolanos, Patricia; Padilla-Sanchez, Juan Antonio; Garrido-Frenich, Antonia; Romero-Gonzalez, Roberto; Martinez-Vidal, Jose Luis.	2012	Evaluation of soil contamination in intensive agricultural areas by pesticides and organic pollutants: south-eastern Spain as a case study.	J. Environ. Monit., Volume 14, Issue 4, Page 1181-1188, Publication Year 2012	⑰
959	Sabale, Sandip R.; Tamhankar, Bhaskar V.; Dongare, Meena M.; Mohite, B. S.	2012	Extraction, determination and bioremediation of heavy metal ions and pesticide residues from lake water	Journal of Bioremediation and Biodegradation (2012), 3(4), 143	⑱
960	Baig, Sajjad Ahmad; Akhter, Niaz Ahmad; Ashfaq, Muhammad; Asi, Muhammad Rafique; Ashfaq, Umair	2012	Imidacloprid residues in vegetables, soil and water in the southern Punjab, Pakistan	Agricultural Technology (2012), 8(3), 903-916	⑰
961	Richards, Brian K.; Pacenka, Steven; Salvucci, Anthony E.; Saia, Sheila M.; Whitbeck, Luanne F.; Furdyna, Peter M.; Steenhuis, Tammo S.	2012	Surveying upstate NY well water for pesticide contamination: Cayuga and Orange counties	Ground Water Monitoring and Remediation (2012), 32(1), 73-82	⑰
962	Ramasubramanian, Thirumalaiandi; Paramasivam, Mariappan; Jayanthi, Ramabhadran	2012	Rapid and Sensitive Analytical Method for Simultaneous Determination of Imidacloprid and Thiamethoxam Residues in Soils of Sugarcane Ecosystem by Reversed-Phase HPLC	Water, Air, and Soil Pollution (2012), 223(9), 6045-6050	⑤ ⑰

963	Mohamed, Gehad G.; Saleh, M.; Ibrahim, Hala M.	2012	Monitoring of pesticide residues in different agriculture fields effect of different home processes on the pesticides elimination	International Journal of Research in Chemistry and Environment (2012), 2(3), 237-253	⑰
964	Broznic, Dalibor; Milin, Cedomila.	2013	Mathematical prediction of imidacloprid persistence in two Croatian soils with different texture, organic matter content and acidity under laboratory conditions.	J. Environ. Sci. Health, Part B, Volume 48, Issue 11, Page 906-918, Publication Year 2013	⑱(土壌における残留の予測)
965	Masia, A.; Ibanez, M.; Blasco, C.; Sancho, J. V.; Pico, Y.; Hernandez, F.	2013	Combined use of liquid chromatography triple quadrupole mass spectrometry and liquid chromatography quadrupole time-of-flight mass spectrometry in systematic screening of pesticides and other contaminants in water samples	Analytica Chimica Acta (2013), 761, 117-127	⑰
966	Fortuny, Georgina; Pineda, Laura; Rubies, Antoni; Centrich, Francesc; Companyo, Ramon	2013	Determination of 61 organic pollutants in drinking water by solid phase extraction followed by liquid and gas chromatography coupled to tandem mass spectrometry: an analytical strategy for a routine laboratory	International Journal of Environmental Analytical Chemistry (2013), 93(7), 707-726	⑰
967	Coscolla, Clara; Hart, Elizabeth; Yusa, Vicent (Correspondence)	2013	LC-MS characterization of contemporary pesticides in PM10 of Valencia Region, Spain.	Atmospheric Environment, (October 2013) Vol. 77, pp. 394-403. Refs: 29 ISSN: 1352-2310; E-ISSN: 1873-2844 CODEN: AENVEQ	⑰
968	Campo, Julian; Masia, Ana; Blasco, Cristina; Pico, Yolanda	2013	Occurrence and removal efficiency of pesticides in sewage treatment plants of four Mediterranean River Basins	Journal of Hazardous Materials (2013), 263(P1), 146-157	⑰
969	Sequinatto, Leticia; Reichert, Jose Miguel; Rheinheimer Dos Santos, Danilo; Reinert, Dalvan Jose; Copetti, Andre Carlos Cruz	2013	Occurrence of agrochemicals in surface waters of shallow soils and steep slopes cropped to tobacco	Quimica Nova (2013), 36(6), 768-772	⑰
970	Samnani, Prakash; Vishwakarma, Kamlesh; Pandey, S. Y.	2013	Persistence study of imidacloprid in different soils under laboratory conditions	International Journal of Environmental Sciences (2013), 4(2), 151-157, 7 pp.	ラボにおける土壌中分解性試験であり、評価に使用されない。
971	Larsbo, Mats; Loefstrand, Elisabeth; Van Alphen De Veer, David; Ulen, Barbro	2013	Pesticide leaching from two Swedish topsoils of contrasting texture amended with biochar	Journal of Contaminant Hydrology (2013), 147, 73-81	⑱(バイオ炭添加によるリーチングへの影響)
972	Akamatsu, Miki; Tsujita, Kosuke; Pitiyont, Vinai; Saejiew, Atinut; Jiwajinda, Suratwadee; Tanaka, Ueru	2013	Pesticide residue analyses of soils collected from suburban agricultural fields around Bangkok	Tropical Agriculture and Development (2013), 57(1), 8-15	⑰
973	Masia, Ana; Campo, Julian; Vazquez-Roig, Pablo; Blasco, Cristina; Pico, Yolanda	2013	Screening of currently used pesticides in water, sediments and biota of the Guadalquivir River Basin (Spain)	Journal of Hazardous Materials (2013), 263(P1), 95-104	⑰
974	Magnusson, Marie (Correspondence)	2013	Pesticide contamination and phytotoxicity of sediment interstitial water to tropical benthic microalgae.	Water Research, (5 Sep 2013) Vol. 47, No. 14, pp. 5211-521. Refs: 46 ISSN: 0043-1354; E-ISSN: 1879-2448 CODEN: WATRAG	⑰
975	De Geronimo, Eduardo; Aparicio, Virginia C.; Barbaro, Sebastian; Portocarrero, Rocio; Jaime, Sebastian; Costa, Jose L.	2014	Presence of pesticides in surface water from four sub-basins in Argentina	Chemosphere (2014), 107, 423-431	⑰
976	Dankyi, Enock; Gordon, Christopher; Carboo, Derick; Fomsgaard, Inge S.	2014	Quantification of neonicotinoid insecticide residues in soils from cocoa plantations using a QuEChERS extraction procedure and LC-MS/MS	Science of the Total Environment (2014), 499, 276-283	⑰

977	Akoijam, Romila; Singh, Balwinder	2014	Metabolic degradation of imidacloprid in paddy field soil	Environmental Monitoring and Assessment (2014), 186(10), 5977-5984	⑰
978	Jodeh, Shehdeh; Khalaf, Osamah; Obaid, Ahmad Abu; Hammouti, Belkheir; Hadda, Taibi B.; Jodeh, Wade; Haddad, Marwan; Warad, Ismail	2014	Adsorption and kinetics study of abamectin and imidacloprid in greenhouse soil in Palestine	Journal of Materials and Environmental Science (2014), 5(2), 571-580	吸着試験を実施しているが、pHの調整を行っており、また物質収支が求められていない。
979	Lu, Jinky Leilanie	2014	Assessment of insecticide residues in eggplant farm soils and water	Environmental Science: An Indian Journal (2014), 9(9), 308-319	⑰
980	Wijnja, Hotze; Doherty, Jeffery J.; Safie, Saida A.	2014	Changes in Pesticide Occurrence in Suburban Surface Waters in Massachusetts, USA, 1999-2010	Bulletin of Environmental Contamination and Toxicology (2014), 93(2), 228-232	⑰
981	Sanchez-Bayo, Francisco; Hyne, Ross V.	2014	Detection and analysis of neonicotinoids in river waters - Development of a passive sampler for three commonly used insecticides	Chemosphere (2014), 99, 143-151	⑰
982	Saxa1nchez-Bayo, Francisco; Ross V Hyne	2014	Detection and analysis of neonicotinoids in river waters aX80X93 Development of a passive sampler for three commonly used insecticides	Chemosphere (2014), Volume 99, pp. 143-151 ISSN: 0045-6535 Published by: Elsevier Ltd Source Note: 2014 Mar., v. 99	⑰
983	Kurwadkar, Sudarshan; Wheat, Remington; Mcgahan, Donald G.; Mitchell, Forrest	2014	Evaluation of leaching potential of three systemic neonicotinoid insecticides in vineyard soil	Journal of Contaminant Hydrology (2014) Ahead of Print	⑰
984	Hladik, Michelle L.; Kolpin, Dana W.; Kuivila, Kathryn M.	2014	Widespread occurrence of neonicotinoid insecticides in streams in a high corn and soybean producing region, USA	Environmental Pollution (Oxford, United Kingdom) (2014), 193, 189-196	⑰
985	Main, Anson R.; Headley, John V.; Peru, Kerry M.; Michel, Nicole L.; Cessna, Allan J.; Morrissey, Christy A.	2014	Widespread use and frequent detection of neonicotinoid insecticides in wetlands of Canadas Prairie Pothole Region [Erratum to document cited in CA161:497663]	PLoS One (2014), 9(6), e101400/1, 1 pp.	⑰
986	Qi, Weixiao; Muller, Beat; Pernet-Coudrier, Benoit; Singer, Heinz; Liu, Huijuan; Qu, Jiuhui; Berg, Michael	2014	Organic micropollutants in the Yangtze River: Seasonal occurrence and annual loads	Science of the Total Environment (2014), 472, 789-799	⑰
987	Sharma, Smriti; Singh, Balwinder	2014	Persistence behaviour of imidacloprid and its metabolites in soil under sugarcane	Environmental Monitoring and Assessment (2014), 186(4), 2281-2288	⑰
988	Arora, Sumitra; Mukherji, Irani; Kumar, Aman; Tanwar, R. K.	2014	Pesticide residue analysis of soil, water, and grain of IPM basmati rice	Environmental Monitoring and Assessment (2014), 186(12), 8765-8772	⑰
989	Kurwadkar Sudarshan; Evans Amanda; Dewinne Dustan; White Peter; Mitchell Forrest	2015	Modeling photodegradation kinetics of three systemic neonicotinoids -dinotefuran, imidacloprid and thiamethoxam in aqueous and soil environment.	Environmental toxicology and chemistry / SETAC, (2015 Dec 11) . Electronic Publication Date: 11 Dec 2015	⑱
990	Main, Anson R.; Michel, Nicole L.; Headley, John V.; Peru, Kerry M.; Morrissey, Christy A.	2015	Ecological and Landscape Drivers of Neonicotinoid Insecticide Detections and Concentrations in Canadas Prairie Wetlands	Environmental Science and Technology (2015), 49(14), 8367-8376	海外モニタリングであり、日本における評価に利用できない。
991	Fernandez, Diego; Voss, Katharina; Bundschuh, Mirco; Zubrod, Jochen P.; Schaefer, Ralf B.	2015	Effects of fungicides on decomposer communities and litter decomposition in vineyard streams	Science of the Total Environment (2015), 533, 40-48	⑰
992	Nguyen La; Lamers, M.; Bannwarth, M.; Vien Van Nguyen; Streck, T.	2015	Imidacloprid concentrations in paddy rice fields in northern Vietnam: measurement and probabilistic modeling.	Paddy and Water Environment (2015) , Volume 13, Number 2, pp. 191-203, 71 refs. ISSN: 1611-2490 Published by: Springer, Dordrecht	⑰

993	Charalampous, Angeliki C.; Machera, Kyriaki; Miliadis, George E.; Koupparis, Michael A.	2015	The spatial and temporal distribution/variation of pesticide residues in Viotikos Kifissos basin before and after the application of a low input crop management system. A three-year study	International Journal of Environmental Analytical Chemistry (2015), 95(13), 1263-1282	海外モニタリングであり、日本における評価に利用できない。
994	Stenrod, Marianne	2015	Long-term trends of pesticides in Norwegian agricultural streams and potential future challenges in northern climate	Acta Agriculturae Scandinavica Section B: Soil and Plant Science. Supplement 2Acta Agriculturae Scandinavica Section B: Soil and Plant Science (30 Apr 2015) Volume 65, pp. 199-216, 68 refs. CODEN: AASBEV ISSN: 0906-4710 E-ISSN: 1651-1913 DOI: 10.1080/0906	⑰
995	Schaafsma, Arthur; Limay-Rios, Victor; Baute, Tracey; Smith, Jocelyn; Xue, Yingen	2015	Neonicotinoid insecticide residues in surface water and soil associated with commercial maize (corn) fields in Southwestern Ontario.	PLoS ONE, (24 Feb 2015) Vol. 10, No. 2. arn. e0118139. Refs: 76 E-ISSN: 1932-6203 CODEN: POLNCL	⑰
996	Allinson, Graeme; Zhang, Pei; Bui, Anh Duyen; Allinson, Mayumi; Rose, Gavin; Marshall, Stephen; Pettigrove, Vincent.	2015	Pesticide and trace metal occurrence and aquatic benchmark exceedances in surface waters and sediments of urban wetlands and retention ponds in Melbourne, Australia.	Environ. Sci. Pollut. Res., Volume 22, Issue 13, Page 10214-10226, Publication Year 2015	⑰
997	Muenze, Ronald; Orlinskiy, Polina; Gunold, Roman; Paschke, Albrecht; Kaske, Oliver; Beketov, Mikhail A.; Hundt, Matthias; Bauer, Coretta; Schueuermann, Gerrit; Moeder, Monika; Liess, Matthias	2015	Pesticide impact on aquatic invertebrates identified with Chemcatcher passive samplers and the SPEARpesticides index	Science of the Total Environment (2015), 537, 69-80	⑰
998	Masia, Ana; Campo, Julian; Navarro-Ortega, Alicia; Barcelo, Damia; Pico, Yolanda	2015	Pesticide monitoring in the basin of Llobregat River (Catalonia, Spain) and comparison with historical data	Science of the Total Environment (2015), 503-504, 58-68	⑰
999	Papadakis, Emmanouil-Nikolaos; Tsaboula, Aggeliki; Kotopoulou, Athina; Kintzikoglou, Katerina; Vryzas, Zisis; Papadopoulou-Mourkidou, Euphemia	2015	Pesticides in the surface waters of Lake Vistonis Basin, Greece: Occurrence and environmental risk assessment	Science of the Total Environment (2015), 536, 793-802	⑰
1000	Marouane, Bouchra; Dahchour, Abdelmalek; Dousset, Sylvie; El Hajjaji, Souad	2015	Monitoring of nitrate and pesticide pollution in Mnasra, Morocco soil and groundwater	Water Environment Research (2015), 87(6), 567-575	⑰
1001	Van Metre Peter C; Alvarez David A; Mahler Barbara J; Nowell Lisa; Sandstrom Mark; Moran Patrick	2016	Complex mixtures of Pesticides in Midwest U.S. streams indicated by POCIS time-integrating samplers.	Environmental pollution (Barking, Essex : 1987), (2016 Sep 30) . Electronic Publication Date: 30 Sep 2016	⑰
1002	Benton, E. P. [Reprint Author]; Grant, J. F.; Mueller, T. C.; Webster, R. J.; Nichols, R. J.	2016	Consequences of imidacloprid treatments for hemlock woolly adelgid on stream water quality in the southern Appalachians.	Forest Ecology and Management, (JAN 15 2016) Vol. 360, pp. 152-158.	⑰ ⑱
1003	Zhang, Qingming; Wang, Caixia	2016	Dissipation dynamics of imidacloprid residue in different saline soils	Advance Journal of Food Science and Technology (2016), 10(5), 348-352	⑰
1004	Tsaboula, Aggeliki; Papadakis, Emmanouil-Nikolaos; Vryzas, Zisis; Kotopoulou, Athina; Kintzikoglou, Katerina; Papadopoulou-Mourkidou, Euphemia	2016	Environmental and human risk hierarchy of pesticides: A prioritization method, based on monitoring , hazard assessment and environmental fate	Environment International (2016) Ahead of Print	海外モニタリングであり、日本における評価に利用できない。
1005	Hladik, Michelle L.; Kolpin, Dana W.	2016	First national-scale reconnaissance of neonicotinoid insecticides in streams across the USA	Environmental Chemistry (2016), 13(1), 12-20	⑰

1006	Ettiene, G.; Bauza, R.; Sandoval, L.; Medina, D.; Raga, J.; Quiros, M.; Petit, Y.; Poleo, N.; Dorado, I.	2016	Sorption study of imidacloprid and thiamethoxam insecticides in soils samples.	Revista de la Facultad de Agronomia, Universidad del Zulia (2016), Volume 33, Number 4, pp. 458-481, 37 refs. ISSN: 2477-9407 Published by: Universidad del Zulia, Facultad de Agronomia, Maracaibo	土壌吸着を調べているが試験法がガイドラインと異なる。
1007	Wettstein, Felix E.; Kasteel, Roy; Garcia Delgado, Maria F.; Hanke, Irene; Huntscha, Sebastian; Balmer, Marianne E.; Poiger, Thomas; Bucheli, Thomas D.	2016	Leaching of the Neonicotinoids Thiamethoxam and Imidacloprid from Sugar Beet Seed Dressings to Subsurface Tile Drains	Journal of Agricultural and Food Chemistry (2016), 64(33), 6407-6415	⑱(暗渠排水へのリーチング)
1008	Sadaria, Akash M.; Supowit, Samuel D.; Halden, Rolf U.	2016	Mass Balance Assessment for Six Neonicotinoid Insecticides During Conventional Wastewater and Wetland Treatment: Nationwide Reconnaissance in United States Wastewater	Environmental Science and Technology (2016), 50(12), 6199-6206	⑰
1009	Rafique, Nazia; Tariq, Saadia R.; Ahmed, Dildar	2016	Monitoring and distribution patterns of pesticide residues in soil from cotton/wheat fields of Pakistan	Environmental Monitoring and Assessment (2016), 188(12), 1-12	⑰
1010	Lopez-Doval, Julio C.; Montagner, Cassiana C.; De Alburquerque, Anjaina Fernandes; Moschini-Carlos, Viviane; Umbuzeiro, Gisela; Pompeo, Marcelo	2016	Nutrients, emerging pollutants and pesticides in a tropical urban reservoir: Spatial distributions and risk assessment	Science of the Total Environment (2016) Ahead of Print	⑰
1011	Sahoo, S. K.; Balwinder Singh; Singh, B.	2016	Persistence and metabolism of imidacloprid after seed treatment in cotton field soil.	Agricultural Research Journal (2016), Volume 53, Number 1, pp. 57-61, 17 refs. ISSN: 2395-1435 DOI: 10.5958/2395-146X.2016.00009.0 Published by: Punjab Agricultural University, Ludhiana	⑰
1012	Ccanccapa, Alexander; Masia, Ana; Navarro-Ortega, Alicia; Pico, Yolanda; Barcelo, Damia	2016	Pesticides in the Ebro River basin: Occurrence and risk assessment	Environmental Pollution (Oxford, United Kingdom) (2016), 211, 414-424	⑰
1013	Jin, Jie; Kang, Mingjie; Sun, Ke; Pan, Zezhen; Wu, Fengchang; Xing, Baoshan	2016	Properties of biochar-amended soils and their sorption of imidacloprid, isoproturon, and atrazine	Science of the Total Environment (2016), 550, 504-513	バイオ炭添加による土壌吸着への影響を見ており、リスク評価に利用できない。
1014	Christoffels, Ekkehard; Brunsch, Andrea; Wunderlich-Pfeiffer, Jens; Mertens, Franz Michael	2016	Monitoring micropollutants in the Swist river basin	Water Science and Technology (2016), 74(10), 2280-2296	⑰
1015	Abdel-Ghany, Maha F.; Hussein, Lobna A.; El Azab, Noha F.; El-Khatib, Ahmed H.; Linscheid, Michael W.	2016	Simultaneous determination of eight neonicotinoid insecticide residues and two primary metabolites in cucumbers and soil by liquid chromatography-tandem mass spectrometry coupled with QuEChERS	Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences (2016), 1031, 15-28	⑤ ⑰
1016	Ghazala Yaqub; Kashaf Iqbal; Zubi Sadiq; Almas Hamid	2017	Rapid determination of residual pesticides and polyaromatic hydrocarbons in different environmental samples by HPLC.	Pakistan Journal of Agricultural Sciences (2017) , Volume 54, Number 2, pp. 355-361, 28 refs. ISSN: 0552-9034 Published by: University of Agriculture, Faisalabad	⑤ ⑰
1017	Lehmann, Edouard; Fargues, Morgan; Nfon Dibie, Jean-Jacques; Konate, Yacouba; De Alencastro, Luiz Felippe	2017	Assessment of water resource contamination by pesticides in vegetable-producing areas in Burkina Faso	Environmental Science and Pollution Research (2017) Ahead of Print	⑰
1018	Nowell, Lisa H; Patrick W Moran; Travis S Schmidt; Julia E Norman; Naomi Nakagaki; Megan E Shoda; Barbara J Mahler; Peter C Van Metre; Wesley W Stone; Mark W Sandstrom; Michelle L Hladik	2017	Complex mixtures of dissolved pesticides show potential aquatic toxicity in a synoptic study of Midwestern U.S. streams	Science of the total environment (2017) ISSN: 0048-9697 Published by: Elsevier B.V. Source Note: 2017,	⑰ ⑱

1019	Ensminger, Michael P.; Vasquez, Martice; Tsai, Hsing-Ju; Mohammed, Sarah; Van Scoy, A.; Goodell, Korena; Cho, Gail; Goh, Kean S.	2017	Continuous low-level aquatic monitoring (CLAM) samplers for pesticide contaminant screening in urban runoff: Analytical approach and a field test case	Chemosphere (2017), 184, 1028-1035	⑰
1020	Arnnok, Prapha; Patdhanagul, Nopbhasinthu; Burakham, Rodjana	2017	Dispersive solid-phase extraction using polyaniline-modified zeolite NaY as a new sorbent for multiresidue analysis of pesticides in food and environmental samples	Talanta (2017), 164, 651-661	⑰
1021	Struger, John; Grabuski, Josey; Cagampan, Steve; Sverko, Ed; Mcgoldrick, Daryl; Marvin, Christopher H.	2017	Factors influencing the occurrence and distribution of neonicotinoid insecticides in surface waters of southern Ontario, Canada	Chemosphere (2017), 169, 516-523	⑰
1022	Leiva, Jorge A.; Nkedi-Kizza, Peter; Morgan, Kelly T.; Kadyampakeni, Davie M.	2017	Imidacloprid transport and sorption nonequilibrium in single and multilayered columns of Immokalee fine sand.	PLoS ONE, (August 2017) Vol. 12, No. 8. arn. e0183767. Refs: 60 E-ISSN: 1932-6203 CODEN: POLNCL	⑰
1023	Houbraken, Michael; Habimana, Valens; Senaeve, David; Lopez-Davila, Edelbis; Spanoghe, Pieter	2017	Multi - residue determination and ecological risk assessment of pesticides in the lakes of Rwanda.	Science of the Total Environment, (15 Jan 2017) Vol. 576, pp. 888-894. Refs: 48 ISSN: 0048-9697; E-ISSN: 1879-1026 CODEN: STEVA8	海外モニタリングであり、日本における評価に利用できない。
1024	Pook, Chris; Gritcan, Iana	2017	Neonicotinoid insecticide residues in New Zealand maize paddock soil	PeerJ PrePrints, 20170710 E-ISSN: 2167-9843 DOI: 10.7287/peerj.preprints.2919v1 Published by: PeerJ, Inc., San Diego	⑰
1025	Sadaria, Akash M.; Sutton, Rebecca; Moran, Kelly D.; Teerlink, Jennifer; Brown, Jackson Vanfleet; Halden, Rolf U.	2017	Passage of fiproles and imidacloprid from urban pest control uses through wastewater treatment plants in northern California, USA	Environmental Toxicology and Chemistry (2017), 36(6), 1473-1482	⑰
1026	Pascual Aguilar, Juan Antonio; Andreu, Vicente; Campo, Julian; Pico, Yolanda; Masia, Ana	2017	Pesticide occurrence in the waters of Jucar River, Spain from different farming landscapes.	Science of the Total Environment, (DEC 31 2017) Vol. 607, pp. 752-760.	⑰
1027	Leach, Heather; Wise, John C.; Isaacs, Rufus	2017	Reduced ultraviolet light transmission increases insecticide longevity in protected culture raspberry production	Chemosphere (2017), 189, 454-465	⑰ UVカットフィルムの有無による残留性を調べている。
1028	Main, Anson R.; Fehr, Jessica; Liber, Karsten; Headley, John V.; Peru, Kerry M.; Morrissey, Christy A.	2017	Reduction of neonicotinoid insecticide residues in Prairie wetlands by common wetland plants	Science of the Total Environment (2017), 579, 1193-1202	⑱
1029	Saby, Marion; Larocque, Marie; Pinti, Daniele L.; Barbecot, Florent; Gagne, Sylvain; Barnetche, Diogo; Cabana, Hubert	2017	Regional assessment of concentrations and sources of pharmaceutically active compounds, pesticides, nitrate, and E. coli in post-glacial aquifer environments (Canada)	Science of the Total Environment (2017), 579, 557-568	⑰
1030	Aisha, Al Ashi; Hneine, Wael; Mokh, Samia; Devier, Marie-Helene; Budzinski, Helen; Jaber, Farouk	2017	Monitoring of 45 pesticides in Lebanese surface water using polar organic chemical integrative sampler (POCIS)	Ocean Science Journal (2017), 52(3), 455-466	⑰
1031	Diamond, Miriam L.	2017	Surprising Degradation Products from an Under-Fire Insecticide	ACS Central Science (2017), 3(2), 97-98	詳細な記述の無い速報
1032	Rashid, Mohd Fawwaz Mohd; Ab Majid, Abdul Hafiz	2018	DEGRADATION RATE AND HALF-LIFE OF TERMITICIDES IN MALAYSIAN SANDY LOAM SOIL.	Malaysian Applied Biology, (JUN 2018) Vol. 47, No. 3, pp. 71-77.	⑭(シロアリ剤)
1033	Zhou, Ying; Lu, Xiaoxia; Fu, Xiaofang; Yu, Bo; Wang, Dan; Zhao, Cheng; Zhang, Qi; Tan, Ying; Wang, Xinyi	2018	Development of a fast and sensitive method for measuring multiple neonicotinoid insecticide residues in soil and the application in parks and residential areas	Analytica Chimica Acta (2018), 1016, 19-28	⑰

1034	Montiel-Leon, Juan Manuel; Duy, Sung Vo; Munoz, Gabriel; Amyot, Marc; Sauve, Sebastien	2018	Evaluation of on-line concentration coupled to liquid chromatography tandem mass spectrometry for the quantification of neonicotinoids and fipronil in surface water and tap water	Analytical and Bioanalytical Chemistry (2018), 410(11), 2765-2779	⑤ ⑰
1035	Byholm, Patrik; Makelainen, Sanna; Santangeli, Andrea; Goulson, Dave	2018	First evidence of neonicotinoid residues in a long-distance migratory raptor, the European honey buzzard (Pernis apivorus)	Science of the Total Environment (2018), 639, 929-933	猛禽類におけるネオニコチノイドのモニタリング。
1036	Berton, Andre; Brugnera, Michelle F.; Dores, Eliana F. G. C.	2018	Grab and passive sampling applied to pesticide analysis in the Sao Lourenco river headwater in Campo Verde-MT, Brazil	Journal of Environmental Science and Health, Part B: Pesticides, Food Contaminants, and Agricultural Wastes (2018), 53(4), 237-245	⑰
1037	Bishop, Christine A.; Moran, Alison J.; Toshack, Michelle C.; Elle, Elizabeth; Maisonneuve, France; Elliott, John E.	2018	Hummingbirds and bumble bees exposed to neonicotinoid and organophosphate insecticides in the Fraser Valley, British Columbia, Canada	Environmental Toxicology and Chemistry (2018) Ahead of Print	⑰
1038	Satkowski, Laura E.; Goyne, Keith W.; Anderson, Stephen H.; Lerch, Robert N.; Webb, Elisabeth B.; Snow, Daniel D.	2018	Imidacloprid sorption and transport in cropland, grass buffer, and riparian buffer soils	Vadose Zone Journal (2018), 17(1), 1-12	⑰
1039	Carpenter, Corey M. G.; Helbling, Damian E.	2018	Widespread Micropollutant Monitoring in the Hudson River Estuary Reveals Spatiotemporal Micropollutant Clusters and Their Sources	Environmental Science and Technology (2018), 52(11), 6187-6196	⑰
1040	Hladik, Michelle L.; Corsi, Steven R.; Kolpin, Dana W.; Baldwin, Austin K.; Blackwell, Brett R.; Cavallin, Jenna E.	2018	Year-round presence of neonicotinoid insecticides in tributaries to the Great Lakes, USA	Environmental Pollution (Oxford, United Kingdom) (2018), 235, 1022-1029	⑰
1041	Sultana, Tamanna; Murray, Craig; Kleywegt, Sonya; Metcalfe, Chris D.	2018	Neonicotinoid pesticides in drinking water in agricultural regions of southern Ontario, Canada	Chemosphere (2018), 202, 506-513	⑰
1042	Koreje, Kenneth Otieno; Kandie, Faith Jebiwot; Vergeynst, Leendert; Abira, Margaret Akinyi; Van Langenhove, Herman; Okoth, Maurice; Demeestere, Kristof	2018	Occurrence, fate and removal of pharmaceuticals, personal care products and pesticides in wastewater stabilization ponds and receiving rivers in the Nzoia Basin, Kenya	Science of the Total Environment (2018), 637-638, 336-348	⑰
1043	Wiggins, Greg; Benton, Elizabeth; Grant, Jerome; Kerr, Marie; Lambdin, Paris	2018	Short-term detection of imidacloprid in streams after applications in forests.	Journal of Environmental Quality, (1 May 2018) Vol. 47, No. 3, pp. 571-578. Refs: 49 ISSN: 0047-2425; E-ISSN: 1537-2537 CODEN: JEVQAA	⑰
1044	Furihata, Shunsuke; Kasai, Atsushi; Hidaka, Kazumasa; Ikegami, Makihiko; Ohnishi, Hitoshi; Goka, Koichi	2019	Ecological risks of insecticide contamination in water and sediment around off-farm irrigated rice paddy fields.	Environmental Pollution, (August 2019) pp. 628-638. Refs: 50 ISSN: 0269-7491; E-ISSN: 1873-6424 CODEN: ENPOEK	⑪
1045	Spirhanzlova, Petra; Fini, Jean-Baptiste; Demeneix, Barbara; Lardy-Fontan, Sophie; Vaslin-Reimann, Sophie; Lalere, Beatrice; Guma, Nelson; Tindall, Andrew; Krief, Sabrina	2019	Composition and endocrine effects of water collected in the Kibale national park in Uganda	Environmental Pollution (Oxford, United Kingdom) (2019), 251, 460-468	複数の農薬を含む河川水のED作用を見ており、イミダクロプリドそのものによる影響は見られていない。河川水の分析結果は、日本の代表的な使用方法／使用条件における評価に活用できない(ほ場条件、土性等)。
1046	Pan, Lixiang; Feng, Xiaoxiao; Cao, Meng; Zhang, Shiwen; Huang, Yuanfang; Xu, Tianheng; Jing, Jing; Zhang, Hongyan	2019	Determination and distribution of pesticides and antibiotics in agricultural soils from northern China	RSC Advances (2019), 9(28), 15686-15693	⑰

1047	Condota Borba De Souza, Laura Fernanda; Montagner, Cassiana Caroline; Almeida, Mariana Bortholazzi; Kuroda, Emilia Kiyomi; Vidal, Cristiane; Freire, Roberta Lemos Condota Borba De Souza, Laura Fernanda Montagner, Cassiana Caroline; Vidal, Cristiane Almeid	2019	Determination of pesticides in the source and drinking waters in Londrina, Parana, Brazil	SEMINA-CIENCIAS AGRARIAS, (MAY-JUN 2019) Vol. 40, No. 3, pp. 1153-1163. ISSN: 1676-546X.	⑰
1048	Williams, Nate; Sweetman, Jon	2019	Distribution and Concentration of Neonicotinoid Insecticides on Waterfowl Production Areas in West Central Minnesota.	Wetlands, (APR 2019) Vol. 39, No. 2, pp. 311-319. ISSN: 0277-5212. E-ISSN: 1943-6246.	⑰
1049	Boye, K.; Lindstroem, B.; Bostroem, G.; Kreuger, J.	2019	Long-term data from the swedish national environmental monitoring program of pesticides in surface waters	Journal of Environmental Quality (2019), 48(4), 1109-1119	⑰
1050	Sousa, Joao C. G.; Ribeiro, Ana R.; Barbosa, Marta O.; Ribeiro, Claudia; Tiritan, Maria E.; Pereira, M. Fernando R.; Silva, Adrian M. T.	2019	Monitoring of 17 EU watch list contaminants of emerging concern in the Ave and the Sousa Rivers	Science of the Total Environment (2019), 649, 1083-1095	⑰
1051	Xiong, Jingjing; Wang, Zhen; Ma, Xue; Li, Huizhen; You, Jing	2019	Occurrence and risk of neonicotinoid insecticides in surface water in a rapidly developing region: Application of polar organic chemical integrative samplers	Science of the Total Environment (2019), 648, 1305-1312	⑰
1052	Silva, Vera; Mol, Hans G. J.; Zomer, Paul; Tienstra, Marc; Ritsema, Coen J.; Geissen, Violette	2019	Pesticide residues in European agricultural soils - A hidden reality unfolded	Science of the Total Environment (2019), 653, 1532-1545	⑰
1053	Rodrigues, Elsa T.; Alpendurada, Maria Fatima; Guimaraes, Ana; Avo, Romeu; Ferreira, Barbara; Pardal, Miguel A.	2019	The environmental condition of an estuarine ecosystem disturbed by pesticides	Environmental Science and Pollution Research (2019), 26(23), 24075-24087	⑰
1054	Fonseca, Eddie; Renau-Prunonosa, Arianna; Ibanez, Maria; Gracia-Lor, Emma; Estrela, Teodoro; Jimenez, Sara; Perez-Martin, Miguel Angel; Gonzalez, Francisco; Hernandez, Felix; Morell, Ignacio	2019	Investigation of pesticides and their transformation products in the Jucar River Hydrographical Basin (Spain) by wide-scope high-resolution mass spectrometry screening	Environmental Research (2019), 177, 108570	⑰
1055	Husk, Barry; Sanchez, Juan Sebastian; Leduc, Roland; Takser, Larissa; Savary, Olivier; Cabana, Hubert	2019	Pharmaceuticals and pesticides in rural community drinking waters of Quebec, Canada - a regional study on the susceptibility to source contamination	Water Quality Research Journal (2019), 54(2), 88-103	⑰
1056	Mohd Fawwaz, M. R.; Abdul Hafiz, A. M.	2020	Effect of different temperatures on the degradation rate and half - life of termiticides in tropical soils under laboratory condition.	Malaysian Journal of Soil Science (2020) , Volume 24, pp. 33-48, many ref. ISSN: 1394-7990 Published by: Malaysian Society of Soil Science, Serdang	⑭
1057	Diamanti, Konstantina S.; Alygizakis, Nikiforos A.; Nika, Maria-Christina; Oswaldova, Martina; Oswald, Peter; Thomaidis, Nikolaos S.; Slobodnik, Jaroslav	2020	Assessment of the chemical pollution status of the Dniester River Basin by wide-scope target and suspect screening using mass spectrometric techniques	Analytical and Bioanalytical Chemistry (2020) Ahead of Print	海外モニタリングであり、日本における評価に利用できない。
1058	Guarda, Patricia M.; Pontes, Antonina M. S.; Domiciano, Raquel De S.; Gualberto, Larissa Da S.; Mendes, Danylo B.; Guarda, Emerson A.; Da Silva, Jose E. C.	2020	Assessment of Ecological Risk and Environmental Behavior of Pesticides in Environmental Compartments of the Formoso River in Tocantins, Brazil	Archives of Environmental Contamination and Toxicology (2020) Ahead of Print	⑰
1059	Bhattacherjee, Anup Kr.; Garg, Neelima; Shukla, Pradeep Kr.; Singh, Balvindra; Vaish, Supriya; Dikshit, Abhay	2020	Bacterial bioremediation of imidacloprid in mango orchard soil by Pseudomonas mosselii strain NG1	International Journal of Current Microbiology and Applied Sciences (2020), 9(10), 1150-1159	⑱

1060	Aseperi Adeniyi K; Busquets Rosa; Hooda Peter S; Cheung Philip C W; Barker James	2020	Behaviour of neonicotinoids in contrasting soils.	Journal of environmental management, (2020 Sep 12) Vol. 276, pp. 111329. Electronic Publication Date: 12 Sep 2020	土壌吸着性試験を実施しているが、土壌を分析しておらず物質収支が不明。
1061	Schreiner, Verena C.; Fernandez, Diego; Vermeirssen, Etienne L. M.; Bandow, Nicole; Munoz, Katherine; Schaefer, Ralf B.	2020	Calibration and field application of passive sampling for episodic exposure to polar organic pesticides in streams	Environmental Pollution, (OCT 2020) Vol. 265, No. Part B, pp. Article No.: 115335.	⑰
1062	Solaun, Oihana; Rodriguez, Jose German; Menchaca, Iratxe; Lopez-Garcia, Ester; Martinez, Elena; Zonja, Bozo; Postigo, Cristina; Lopez De Alda, Miren; Barcelo, Damia; Borja, Angel; Manzanos, Alberto; Larreta, Joana	2020	Contaminants of emerging concern in the Basque coast (N Spain): Occurrence and risk assessment for a better monitoring and management decisions	Science of the Total Environment (2020) Ahead of Print	⑰
1063	Rodriguez-Liebana, Jose Antonio; Pena, Aranzazu	2020	Differences in the sorption kinetics of various non-ionisable pesticides in a limited number of agricultural soils from the Mediterranean basin.	Journal of Environmental Management, (15 December 2020) Vol. 276. arn. 111336. Refs: 66 ISSN: 0301-4797; E-ISSN: 1095-8630 CODEN: JEVMAW	イミダクロプリドについて新規のデータが得られていない。
1064	Barbieri, Maria Vittoria; Peris, Andrea; Postigo, Cristina; Moya-Garces, Alba; Monllor-Alcaraz, Luis Simon; Rambla-Alegre, Maria; Eljarrat, Ethel; Lopez De Alda, Miren	2020	Evaluation of the occurrence and fate of pesticides in a typical Mediterranean delta ecosystem (Ebro River Delta) and risk assessment for aquatic organisms	Environmental Pollution (Oxford, United Kingdom) (2020) Ahead of Print	⑰
1065	Hinz, Francisca Ordonez; Van Santen, Edzard; Fisher, Paul R.; Wilson, P. Chris	2020	Losses of selected pesticides in drainage water from containerized ornamental plants	Journal of Environmental Quality (2020), 49(5), 1334-1346	⑰
1066	Selahle Shirley K; Waleng Ngwako J; Mpupa Anele; Nomngongo Philiswa N	2020	Magnetic Solid Phase Extraction Based on Nanostructured Magnetic Porous Porphyrin Organic Polymer for Simultaneous Extraction and Preconcentration of Neonicotinoid Insecticides From Surface Water.	Frontiers in chemistry, (2020) Vol. 8, pp. 555847. Electronic Publication Date: 16 Sep 2020	⑤ ⑰
1067	Wang Xinran; Goulson Dave; Chen Lanzhen; Zhang Jinzhen; Zhao Wen; Jin Yue; Yang Shupeng; Li Yi; Zhou Jinhui	2020	Occurrence of Neonicotinoids in Chinese Apiculture and a Corresponding Risk Exposure Assessment.	Environmental science and technology, (2020 Mar 04) . Electronic Publication Date: 4 Mar 2020	⑰
1068	Acayaba Raphael Danna; De Albuquerque Anjaina Fernandes; Ribessi Rafael Luis; Umbuzeiro Gisela De Aragao; Montagner Cassiana Carolina	2020	Occurrence of pesticides in waters from the largest sugar cane plantation region in the world.	Environmental science and pollution research international, (2020 Nov 06) . Electronic Publication Date: 6 Nov 2020	⑰
1069	Faundez Urbina, C.A.; Van Dam, J.C.; Tang, D.W.S.; Ritsema, C.J.; Van Den Berg, F.	2020	Parameter sensitivity of SWAP-PEARL models for pesticide leaching in macroporous soils	Vadose Zone Journal (2020) Volume 19, Number 1, arn: e20075, 40 refs. DOI: 10.1002/vzj2.20075 Published by: John Wiley and Sons Inc,	⑮
1070	Barizon, Robson R. M.; Figueiredo, Ricardo De Oliveira; De Souza Dutra, Debora Renata Cassoli; Regitano, Jussara Borges; Ferracini, Vera Lucia	2020	Pesticides in the surface waters of the Camanducaia River watershed, Brazil	Journal of Environmental Science and Health, Part B: Pesticides, Food Contaminants, and Agricultural Wastes (2020), 55(3), 283-292	⑰
1071	Pan, Xin; Wang, Zhang Jun; Chen, Chao; Li, Hui; Li, Xian Xin; Wang, Xiu Fen; Zhuang, Quan Feng; Zhang, Ya Nan	2020	Research on the Distribution of Neonicotinoid and Fipronil Pollution in the Yangtze River by High-Performance Liquid Chromatography	Analytical Methods (2020) Ahead of Print	⑰
1072	Mas, Laura I.; Aparicio, Virginia C.; De Geronimo, Eduardo; Costa, Jose L.	2020	Pesticides in water sources used for human consumption in the semiarid region of Argentina	SN Applied Sciences (2020), 2(4), 691	⑰
1073	Anim, Alfred K.; Thompson, Kristie; Duodu, Godfred O.; Tscharke, Ben; Birch, Gavin; Goonetilleke, Ashantha; Ayoko, Godwin A.; Mueller, Jochen F.	2020	Pharmaceuticals, personal care products, food additive and pesticides in surface waters from three Australian east coast estuaries (Sydney, Yarra and Brisbane)	Marine Pollution Bulletin (2020), 153, 111014	⑰

1074	Sharma, Teena; Kaur, Manpreet; Sobti, Amit; Rajor, Anita; Toor, Amrit Pal Sharma, Teena Sharma, Teena; Rajor, Anita Kaur, Manpreet; Toor, Amrit Pal Sobti, Amit; Toor, Amrit Pal	2020	Sequential microbial-photocatalytic degradation of imidacloprid	ENVIRONMENTAL ENGINEERING RESEARCH, (2020 AUG 2020) Vol. 25, No. 4, pp. 597-604. ISSN: 1226-1025.	⑱
1075	Voigt, Melanie; Jaeger, Martin	2021	Structure and QSAR analysis of photoinduced transformation products of neonicotinoids from EU watchlist for ecotoxicological assessment.	Science of the Total Environment, (10 January 2021) Vol. 751. arn. 141634. Refs: 96 ISSN: 0048-9697; E-ISSN: 1879-1026 CODEN: STEVA8	太陽光よりも低波長領域を含む水銀ランプを使用しており、生成した光分解物を適切には評価できない。
1076	Borrull, Josep; Colom, Agusti; Fabregas, Josepa; Borrull, Francesc; Pocurull, Eva	2021	Presence, behaviour and removal of selected organic micropollutants through drinking water treatment	Chemosphere (2021), 276, 130023	⑱
1077	Pico, Yolanda; Campo, Julian; Alfarhan, Ahmed H.; El-Sheikh, Mohamed A.; Barcelo, Damia	2021	A reconnaissance study of pharmaceuticals, pesticides, perfluoroalkyl substances and organophosphorus flame retardants in the aquatic environment, wild plants and vegetables of two Saudi Arabia urban areas: Environmental and human health risk assessment	Science of the Total Environment (2021), 776, 145843	海外での各種物質のモニタリングデータに基づく毒性及び環境毒性評価。
1078	Varadarajan, Rajagopalan; Muthupandiyan, Sivasharmina; Kannan, Jeyahamsini Manika; Thangaraju, Santhoshkumar; Thozhan, Gajendran Varadarajan, Rajagopalan; Thangaraju, Santhoshkumar Thozhan, Gajendran	2021	EFFECTS OF NEONICOTINOID IN SURFACE WATER AND SOIL IN SUGARCANE FIELD AT ARIYALUR AND NAMAKKAL DISTRICTS	ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, (2021 FEB 2021) Vol. 20, No. 2, pp. 283-290. ISSN: 1582-9596.	⑰
1079	Dong, Huiyu; Xu, Lei; Mao, Yuanxiang; Wang, Yan; Duan, Shule; Lian, Junfeng; Li, Jin; Yu, Jianwei; Qiang, Zhimin	2021	Effective abatement of 29 pesticides in full-scale advanced treatment processes of drinking water: From concentration to human exposure risk.	Journal of Hazardous Materials, (5 February 2021) Vol. 403. arn. 123986. Refs: 58 ISSN: 0304-3894; E-ISSN: 1873-3336 CODEN: JHMAD9	水道水からの農薬の除去であり、日本のリスク評価には利用できない。
1080	Richards, Laura A.; Kumari, Rupa; White, Debbie; Parashar, Neha; Kumar, Arun; Ghosh, Ashok; Kumar, Sumant; Chakravorty, Biswajit; Lu, Chuanhe; Civil, Wayne; Lapworth, Dan J.; Krause, Stefan; Polya, David A.; Gooddy, Daren C.	2021	Emerging organic contaminants in groundwater under a rapidly developing city (Patna) in northern India dominated by high concentrations of lifestyle chemicals	Environmental Pollution (Oxford, United Kingdom) (2021), 268(Part_A), 115765	⑰
1081	Sefiloglu, Feride Oyku; Tezel, Ulas; Balc Oglu, Isil Akmehmet	2021	Validation of an Analytical Workflow for the Analysis of Pesticide and Emerging Organic Contaminant Residues in Paddy Soil and Rice	Journal of Agricultural and Food Chemistry (2021) Ahead of Print	⑰
1082	Miller, Thomas H.; Ng, Keng Tiong; Lamphiere, Aaron; Cameron, Tom C.; Bury, Nicolas R.; Barron, Leon P.	2021	Multicompartment and cross-species monitoring of contaminants of emerging concern in an estuarine habitat	Environmental Pollution (Oxford, United Kingdom) (2021), 270, 116300	⑰
1083	Satiroff, J. A.; Messer, T. L.; Mittelstet, A. R.; Snow, D. D.	2021	Pesticide occurrence and persistence entering recreational lakes in watersheds of varying land uses.	Environmental Pollution (2021) , Volume 273 ISSN: 0269-7491 DOI: 10.1016/j.envpol.2020.116399 Published by: Elsevier Ltd, Oxford	⑰
1084	Bradley, Paul M.; Kulp, Matt A.; Huffman, Bradley J.; Romanok, Kristin M.; Smalling, Kelly L.; Breitmeyer, Sara E.; Clark, Jimmy M.; Journey, Celeste A.	2021	Reconnaissance of cumulative risk of pesticides and pharmaceuticals in Great Smoky Mountains National Park streams	Science of the Total Environment (2021), 781, 146711	⑰

a: 数字および記号は3(1)及び(2)に記載した判断理由を示す。

公表文献調査報告書

イミダクロプリド

別添 3

適合性評価の第 2 段階で「区分 a」「区分 b」「区分 c」へ分類された論文リストとその理由

別添 3-1

適合性評価の第 2 段階で「区分 a」「区分 b」「区分 c」へ分類された論文リストとその理由：ヒトに対する毒性

No.	文献ファイル名	著者	出版年	論文表題	掲載誌名、号、ページ等	適合性	判断理由
1	M-552403-01-1	Harada Kouji H; Tanaka Keiko; Sakamoto Hiroko; Imanaka Mie; Niisoe Tamon; Hitomi Toshiaki; Kobayashi Hatasu; Okuda Hiroko; Inoue Sumiko; Kusakawa Koichi; Oshima Masayo; Watanabe Kiyohiko; Yasojima Makoto; Takasuga Takumi; Koizumi Akio	2016	Biological Monitoring of Human Exposure to Neonicotinoids Using Urine Samples, and Neonicotinoid Excretion Kinetics.	PloS one, (2016) Vol. 11, No. 1, pp. e0146335. Electronic Publication Date: 5 Jan 2016	a	信頼性あり(制限あり) 過去、将来の推定はできないが、このヒトで実施されたこのバイオモニタリング研究/横断研究は、ヒトでのトキシコキネティクスに関する情報を提供する可能性はあるものと考える。
2	M-547417-01-1	Preeti Bagri; Vinod Kumar; Sikka, A. K.; Punia, J. S.; Bagri, P.; Kumar, V.	2013	Preliminary acute toxicity study on imidacloprid in Swiss albino mice .	Veterinary World (2013), Volume 6, Number 12, pp. 955-959, 25 refs. ISSN: 0972-8988 DOI: 10.14202/vetworld.2013.955-959 Published by: Veterinary World, Rajkot	b	非GLP/準拠したガイドラインの記載なし 不純物の情報なし 片性（雄）のみの実施　飼育環境条件の情報が不充分（湿度，餌、飲水，単/群飼育等） 調製溶媒が不明，対照群の詳細が不明 用量段階；一用量（最大耐量として110mg/kg体重が設定されている。） 体重に統計学的分析結果が記載されていない。
3	M-772243-01-1	Lonare, M.K.; Kumar, Manoj; More, A.; Telang, A.G.	2020	Toxicological investigation of single oral dose administration of imidacloprid in Male Wistar rats .	Toxicology International, (2020) Vol. 26, No. 1, pp. 8-14. Refs: 33 ISSN: 0971-6580; E-ISSN: 0976-5131	b	非GLP/MTDを求めるためにOECD423に準拠との記載あり 不純物の情報なし 片性（雄）のみの実施 用量段階；陰性対照（溶媒及び脱イオン水）＋２被験物質投与群, 投与容量の記載なし 死亡の情報がなく、また剖検を実施していない。LD50値及び無毒性量が求められていない。現行の急性参照量を見直すための情報は含まれていない。
4	M-644505-01-1	Freeborn, Danielle L.; Mcdaniel, Katherine L.; Moser, Virginia C.; Herr, David W.	2015	Use of electroencephalography (EEG) to assess CNS changes produced by pesticides with different modes of action: Effects of permethrin, deltamethrin, fipronil, imidacloprid , carbaryl, and triadimefon	Toxicology and Applied Pharmacology (2015), 282(2), 184-194	b	非GLP/準拠したガイドラインの記載なし 片性のみの実施 用量段階；２用量群+対照群, 投与容量の記載なし 脳波での影響；作用機作の異なる農薬で異なる影響がみられているが、イミダクロプリドでは影響は見られなかった。 直腸温；100mg/kg体重で対照群に比べ低値を示しているが、その他の情報(例えば臨床所見など）が記載されておらず、この差の毒性学的重要性が不明
5	M-766673-01-1	Lonare, Milindmitra; Kumar, Manoj; Raut, Sachin; Badgujar, Prarabdha; Doltade, Sagar; Telang, Avinash	2014	Evaluation of imidacloprid -induced neurotoxicity in male rats : A protective effect of curcumin	Neurochemistry International (2014) Ahead of Print	b	非GLP/準拠した試験ガイドライン記載なし。 Curcuminのイミダクロプリドのラットに対する影響の軽減に主眼がおかれている。 被験物質の純度の記載なし。文献で用いられた用量が、安全性試験で用いられた最低用量より低くない。
6	M-768924-01-1	Khalil, Samah R.; Awad, Ashraf; Mohammed, Hesham H.; Nassan, Mohamed Abdo	2017	Imidacloprid insecticide exposure induces stress and disrupts glucose homeostasis in male rats	Environmental Toxicology and Pharmacology (2017), 55, 165-174	b	別添5参照

7	M-769005-01-1	Reda, K.; Abdel-Razik	2018	Effect of Nigella sativa oil on the imidacloprid induced toxicity in male albino mice .	Alexandria Journal of Agricultural Sciences (2018) , Volume 63, Number 4, pp. 239-250, many ref. ISSN: 0044-7250 Published by: Faculty of Agriculture, Alexandria University, Alexandria	b	イミダクロプリドとNigella sativa oil(NS)の併用による影響（イミダクロプリドの毒性緩和の有無)に主眼点がおかれている。 非GLP/準拠したガイドラインの記載なし 不純物の情報なし 片性(雄)のみの実施　飼育環境条件の情報が不充分（餌、飲水，単/群飼育等） 投与液の調製時期が不明，投与容量不明 用量段階；イミダクロプリド単独は一用量(2.6mg/kg体重/日) 血液生化学検査、臓器重量に影響が認められているが、用量に依存している変化かどうか、また背景データーとの比較が不可能。 病理組織学的検査の頻度が記載されていない。 NSとの併用によりイミダクロプリドの毒性が緩和されると報告されているが、その理由は記載されていない。 GLP下で実施されたマウス発がん性試験（5.5.3/01)におけるNOAELは65.6mg/kg体重/日と設定されており、今回の結果との差が大きい。GLP試験を覆すほどの情報、条件に乏しい。
8	M-766174-01-1	Yang, Guiling; Yuan, Xianling; Jin, Cuiyuan; Wang, Dou; Wang, Yanhua; Miao, Wenyu; Jin, Yuanxiang	2020	Imidacloprid disturbed the gut barrier function and interfered with bile acids metabolism in mice	Environmental Pollution (Oxford, United Kingdom) (2020), 266(Part_1), 115290	b	非GLP/準拠したガイドラインの記載なし 不純物の情報なし。馴化期間の記載なし。片性(雄)のみ実施。一般観察、摂餌量、飲水量，体重増加量などの記載なし。 飲水投与であるが、水への溶解性の検討，濃度分析の実施の有無あるいは日時，分析方法の情報が記載されていない。 30mg/L(5mg/kg体重/日)群で、胆汁プロファイル、腸管バリアなどに影響を及ぼすことが記載されているが、GLP下でOECD451に準拠して実施しているマウス発がん性試験(5.5.3/01)において、最高用量群である208.2mg/kg体重/日群においても、文献で示されているようなASAT、ALPに影響はなく、肝臓対体重比の低下も認められていない。 低用量群でも低用量群でも統計学的な有意差が認められているパラメーターもあるが、明瞭な用量相関性が認められておらず、背景データーが利用できないことから、生物学的な有意性があるかどうかについて明らかではない。
9	M-769056-01-1	Sonphule, A. M.; Karikalan, M.; Mohan, S. C.; Verma, M. R.; Telang, A. G.; Sharma, A. K.	2019	Effect of imidacloprid on growth performance and haemato-biochemical parameters in male Wistar rats .	Indian Journal of Veterinary Pathology (2019) , Volume 43, Number 1, pp. 38-42 ISSN: 0250-4758 DOI: 10.5958/0973-970X.2019.00008.7 Published by: Indian Association of Veterinary Pathologists, Izatnagar	b	非GLP/用量設定のみOECD42110に基づくとの記載あり。 眼にPorphyriaが認められたとあるが、登録のために実施されたGLP下でまた適切なGuidelineに基づいて実施された試験成績では認められていない。 また本試験の成績から現行のリスク評価パラメータに影響を与えないものと考えられる。

10	M-768997-01-1	Ince, Sinan; Kucukkurt, Ismail; Demirel, Hasan Huseyin; Turkmen, Ruhi; Zemheri, Fahriye; Akbel, Erten	2013	Corrigendum to The role of thymoquinone as antioxidant protection on oxidative stress induced by imidacloprid in male and female Swiss albino mice (Toxicological and Environmental Chemistry, (2013), 95, 2 (318-329), 10.1080/02772248.2013.764672)	Toxicological and Environmental Chemistry (Mar 2013) Volume 95, Number 3, pp. 541 CODEN: TECSDY ISSN: 0277-2248 E-ISSN: 1029-0486 DOI: 10.1080/02772248.2013.784550 Published by: Taylor and Francis Ltd., 4 Park Square, Milton Park, Abingdon, Oxfordshire, OX14 4RN (GB)	b	非GLP/準拠した試験ガイドライン記載なし イミダクロプリドの設定用量は1用量のため、用量相関性の確認ができない。溶媒対照群とイミダクロプリド群の媒体が違う。
11	M-766178-01-1	Katic Anja; Kasuba Vilena; Kopjar Nevenka; Lovakovic Blanka Tariba; Marjanovic Cermak Ana Marija; Mendas Gordana; Micek Vedran; Milic Mirta; Pavicic Ivan; Pizent Alica; Zunec Suzana; Zeljezic Davor	2020	Effects of low-level imidacloprid oral exposure on cholinesterase activity, oxidative stress responses, and primary DNA damage in the blood and brain of male Wistar rats.	Chemico-biological interactions, (2020 Oct 28) pp. 109287. Electronic Publication Date: 28 Oct 2020	b	非GLP/準拠したガイドライン記載なし 投与容量の記載なし，調製時期の記載なし 動物(雄のみ), 数; 1群5匹, 無作為化方法記載なし 著者らも認めているように、用いた方法では、低用量におけるイミダクロプリドの毒性を調べることには制限がある。
12	M-766675-01-1	Lohiya, Archana; Kumar, Vinod; Punia, J.S.	2017	Imidacloprid induced oxidative stress and histopathological changes in liver of rats .	Indian Journal of Animal Research, (2017) Vol. 51, No. 3, pp. 531-536. Refs: 34 ISSN: 0367-6722	b	非GLP/準拠したガイドライン記載なし 不純物の情報なし，用量設定；対照群＋被験物質群2群 投与容量の記載なし，調製時期の記載なし 動物数1群6匹, 無作為化方法記載なし 背景データーが記載されていない。 病理組織学的所見について、頻度の情報がない。 GLP下90日間反復混餌試験(5.3.2/01)において、本文献に記載されているような病理所見は認められない。
13	M-769003-01-1	Lohiya, Archana; Kumar, Vinod; Punia, J. S. Lohiya, Archana; Punia, J. S.	2018	Sub - acute oxidant and histopathological effects of imidacloprid on kidney of adult female Wistar rats	INDIAN JOURNAL OF ANIMAL RESEARCH, (SEP 2018) Vol. 52, No. 9, pp. 1324-1330. ISSN: 0367-6722.	b	非GLP/準拠したガイドライン記載なし 不純物の情報なし，用量設定；対照群＋被験物質群2群 投与容量の記載なし，調製時期の記載なし 動物数1群6匹, 無作為化方法記載なし 背景データーが参照できない。 病理組織学的所見について、頻度の情報がない。 GLP下90日間反復混餌試験(5.3.2/01)において、本文献に記載されているような病理所見は認められない。

14	M-769060-01-1	Zheng, Meilin; Qin, Qizhong; Zhou, Wenli; Liu, Qin; Zeng, Shaohua; Xiao, Hong; Bai, Qunhua; Gao, Jieying	2020	Metabolic disturbance in hippocampus and liver of mice : A primary response to imidacloprid exposure	Scientific Reports (2020), 10(1), 5713	b	非GLP/準拠したガイドラインの記載なし 不純物の情報なし。 一般観察、摂餌量、飲水量などの記載なし。 調製日の時期の情報が記載されていない。 GLP下でOECD451に準拠して実施しているマウス発がん性試験(5.5.3/01)において、最高用量群で認められた体重増加抑制からNOAELは103.6mg/kg体重/日であり、本文献の投与容量よりかなり高い用量でNOAELが設定されている。脳及び肝にイミダクロプリドに起因した病理組織学的所見が認められていない。またラットではあるが、GLP下で実施された反復経口投与神経毒性試験(5.7.4/01)においても脳に病理組織学的所見は認められていない。
15	M-767291-01-1	Pandit, Arif Ahmad; Choudhary, Shanti; Ramneek; Singh, Baljit; Sethi, R. S.	2016	Imidacloprid induced histomorphological changes and expression of TLR-4 and TNF.alpha. in lung	Pesticide Biochemistry and Physiology (2016) Ahead of Print	b	非GLP/準拠したガイドライン記載なし 本文献はイミダクロプリド単独(30日間反復強制経口投与)またはリポ多糖(鼻腔内投与)との組み合わせによる肺への影響を検索したもので研究の域を超えない報告と考える。 イミダクロプリド6.55mg/kg体重/日を雄マウスに30日間反復強制経口投与し、肺の損傷がみられたとあるが、リスク評価のために実施したGLP試験において、肺への影響は認められていない。1用量であることから、用量依存性についても確認ができない。
16	M-767290-01-1	Nwozo, Sarah [Reprint Author]; Akpodono, Enor; Oyinloye, Babatunji	2015	Plasma, erythrocyte membrane bound enzymes and tissue histopathology in male Wistar rats exposed to common insecticides.	Journal of Pesticide Science, (2015) Vol. 40, No. 1, pp. 13-18. ISSN: 1348-589X. E-ISSN: 1349-0923.	b	非GLP/準拠した試験ガイドライン記載なし 被験物質の純度の情報なし。 1用量の設定（用量に関連した影響か評価できない。） 病理組織学的検査を実施しているが、頻度及び程度の情報の記載がない。
17	M-767287-01-1	Duzguner, Vesile; Erdogan, Suat.	2012	Chronic exposure to imidacloprid induces inflammation and oxidative stress in the liver and central nervous system of rats.	Pestic. Biochem. Physiol., Volume 104, Issue 1, Page 58-64, Publication Year 2012	b	非GLP/準拠した試験ガイドライン記載なし 設定用量は1用量のため、用量相関性の確認ができない。
18	M-765854-01-1	Costa, C.; Silvari, V.; Melchini, A.; Catania, S.; Heffron, J. J.; Trovato, A.; De Pasquale, R.	2009	Genotoxicity of imidacloprid in relation to metabolic activation and composition of the commercial product.	Mutat. Res., Genet. Toxicol. Environ. Mutagen., Volume 672, Issue 1, Page 40-44, Publication Year 2009	b	非GLP/準拠したガイドライン記載なし 陰性対照を設けているが、何を使ったかの記載がない。 血液ドナー（6名の末梢血を混合)の性別の記載なし。 陽性対照、陰性対照の背景データーが報告されていない。 GLP下でOECDに準拠して実施したin vitro, in vivo系遺伝毒性試験において、イミダクロプリドの遺伝毒性は否定されている。 本in vitro系試験成績から、NOAEL/LOAELを導くことは不適切である。

19	M-621776-01-1	Al-Sarar Ali S; Abobakr Yasser; Bayoumi Alaa E; Hussein Hamdy I	2015	Cytotoxic and genotoxic effects of abamectin, chlorfenapyr, and imidacloprid on CHOK1 cells.	Environmental science and pollution research international, (2015 Jul 1) . Electronic Publication Date: 1 Jul 2015	b	非GLP/準拠したガイドラインの記載なし 不純物の情報なし。 陰性対照名が明記されていない。 酸化的ストレス関連項目，in vitro系染色体異常及び小核では１用量の結果のみが記載されているため、用量に関連した変化であるかどうかの確認ができない。また陽性対照、陰性対照は同時に実施されているが、背景データーが報告されていない。 GLP下でOECDに準拠して実施したin vitro, in vivo系遺伝毒性試験において、イミダクロプリドの遺伝毒性は否定されている。
20	M-768173-01-1	Zeljezic, Davor; Mladinic, Marin; Zunec, Suzana; Lucic Vrdoljak, Ana; Kasuba, Vilena; Tariba, Blanka; Zivkovic, Tanja; Marjanovic, Ana Marija; Pavicic, Ivan; Milic, Mirta; Rozgaj, Ruzica; Kopjar, Nevenka	2016	Cytotoxic, genotoxic and biochemical markers of insecticide toxicity evaluated in human peripheral blood lymphocytes and an HepG2 cell line	Food and Chemical Toxicology (2016), 96, 90-106	b	非GLP/準拠したガイドライン記載なし コメットアッセイ、小核については非代謝活性化条件下のみで実施、陽性対照及び陰性対照の背景データの情報なし 尚、イミダクロプリドはDNA損傷作用があると結論されているが、GLP下でOECD ガイドラインに準拠した変異原性試験において、遺伝毒性誘発性は否定されている。
21	M-768176-01-1	Zeljezic, Davor; Benjamin Vinkovic; Marin Mladinic; Mirta Milic; Nevenka Kopjar; Vilena Kasuba	2017	The effect of insecticides chlorpyrifos, I -cypermethrin and imidacloprid on primary DNA damage, TP 53 and c-Myc structural integrity by comet-FISH assay	Chemosphere (2017), Volume 182, pp. 332-338 ISSN: 0045-6535 Published by: Elsevier Ltd Source Note: 2017 Sept., v. 182	b	非GLP/準拠したガイドライン記載なし 不純物の情報なし ドナー末梢血;性別の情報なし，代謝活性化については考慮されていない。 陽性対照、陰性対照の背景データーが提示されていない。 結果；陰性
22	M-769042-01-1	Muzinic, Vedran; Ramic, Snjezana; Zeljezic, Davor	2018	Chromosome Missegregation and Aneuploidy Induction in Human Peripheral Blood Lymphocytes In vitro by Low Concentrations of Chlorpyrifos, Imidacloprid and -Cypermethrin	Environmental and Molecular Mutagenesis (2018) Ahead of Print	b	非GLP 代謝活性化の条件で検査されていない。 陽性対照が設定されていない。 ヒト末梢血ドナーの性別の記載がない。若年齢とあるが年齢の記載がない。 尚、GLP下で実施されたIn vivo小核試験及び他のin vivo試験において陰性であることが確認されている。
23	M-765853-01-1	Demsia, Georgia; Vlastos, Dimitris; Goumenou, Marina; Matthopoulos, Demetrios P.	2007	Assessment of the genotoxicity of imidacloprid and metalaxyl in cultured human lymphocytes and rat bone-marrow.	Mutat. Res., Genet. Toxicol. Environ. Mutagen., Volume 634, Issue 1-2, Page 32-39, Publication Year 2007	b	非GLP/準拠したガイドライン記載なし In vitro試験；非代謝活性化条件のみ実施でいずれの陰性血液ドナーの性別の記載がない。試験液の調製時期の記載なし In vivo小核試験；飼育環境条件が不明瞭，馴化期間の情報がないため、供試時の週齢及び体重が不明，多染性赤血球の計測数が少ない，小核を有する幼若赤血球の出現率を算出するには、各個体につき4000個以上の幼若赤血球を計測する必要があるが、2000個しか計測していない，陽性対照及び陰性対照の背景データが示されていない。

24	M-766674-01-1	Lonare, Milindmitra; Kumar, Manoj; Raut, Sachin; More, Amar; Doltade, Sagar; Badgujar, Prarabdh; Telang, Avinash	2015	Evaluation of ameliorative effect of curcumin on imidacloprid -induced male reproductive toxicity in wistar rats	Environmental Toxicology (2015) Ahead of Print	b	非GLP/準拠したガイドライン記載なし 不純物の情報なし, 投与容量の記載なし，調製時期の記載なし 動物数1群6匹, 無作為化方法記載なし 背景データーの記載なし 病理組織学的所見について、頻度の情報がない。 GLP下でOECD416に準じて実施した繁殖毒性試験(5.6.1/01)において、投与期間が本文献より長く、体重増加抑制及び摂餌量の低下が認められた最高用量群700ppm(P/F世代；56.50/59.08mg/kg体重/日)において、当該文献で報告されているような所見は認められていない。また90日間反復混餌試験(5.3.1/01)においても2400ppm(300.2mg/kg体重/日)においても精巣重量及び本文献に記載されているような病理所見は認められない。
25	M-769052-01-1	Lohiya, Archana; Kumar, Vinod; Punia, J. S. Lohiya, Archana; Punia, J. S.	2019	Effect of imidacloprid on antioxidant status and histopathological changes in ovary and uterus of adult female Wistar rats	INDIAN JOURNAL OF ANIMAL RESEARCH, (AUG 2019) Vol. 53, No. 8, pp. 1014-1019. ISSN: 0367-6722.	b	非GLP/準拠したガイドライン記載なし 不純物の情報なし，用量設定；対照群＋被験物質群2群 投与容量の記載なし，調製時期の記載なし 動物数1群6匹, 無作為化方法記載なし 背景データーが記載されていない。 病理組織学的所見について、頻度の情報がない。 GLP下90日間反復混餌試験(5.3.2/01)において、本文献に記載されているような病理所見は認められない。
26	M-766064-01-1	Ibrahim, Khairy A.; El-Desouky, Mohamed A.; Abou-Yousef, Hala M.; Gabrowny, Khaled H.; El-Sayed, Amr S. M.	2015	Imidacloprid and/or esfenvalerate induce apoptosis and disrupt thyroid hormones in neonatal rats	Global Journal of Biotechnology and Biochemistry (2015), 10(3), 106-112	b	非GLP/準拠したガイドライン記載なし 不純物の情報なし, 調製溶媒が不明瞭，調製日時が不明，投与開始日齢が不明瞭，陽性対照群が設定されていない。 試験動物の体重、一般状態の情報の欠落, 甲状腺ホルモンしか測定していな，また。病理組織学的検査が実施されていないなど情報の欠落がある。 試験項目がガイドラインで推奨されている試験ではない。陽性対照物質が設定されていない。

27	M-769055-01-1	Yuan, Xianling; Shen, Jiayan; Zhang, Xinyue; Tu, Wenqing; Fu, Zhengwei; Jin, Yuanxiang	2019	Imidacloprid disrupts the endocrine system by interacting with androgen receptor in male mice	Science of the Total Environment (2019) Ahead of Print	b	非GLP/準拠したガイドラインの記載なし 不純物の情報なし。一日当たり及び体重当たりの平均被験物質摂取量の記載なし。 馴化期間の記載なし。一般観察、摂餌量、飲水量などの記載なし。 飲水投与であるが、水への溶解性の検討，濃度分析の実施の有無あるいは日時，分析方法の情報が記載されていない。 GLP下でOECD416に準じて実施した2世代繁殖毒性試験(5.6.1/01)において、ラットではあるが、本文献で認められたような精巣重量の低下や、精巣上体の組織学的検査において、精子の減少はP世代、F1世代ともに最高用量である700ppm(P;56.5mg/kg体重/日, F1；59.08mg/kg体重/日)まで投与による影響は認められず、その他のGLP下で実施した試験成績からも、イミダクロプリドが内分泌系に影響を及ぼす証拠は認められていない。
28	M-768189-01-1	Nakayama, Akira; Yoshida, Manami; Kagawa, Nao; Nagao, Tetsuji	2019	The neonicotinoids acetamiprid and imidacloprid impair neurogenesis and alter the microglial profile in the hippocampal dentate gyrus of mouse neonates	Journal of Applied Toxicology (2019) Ahead of Print	b	非GLP/準拠したガイドライン記載なし マウス生後12日~26日投与, 新生児の飼育環境の記載なし 総数8例（雌雄の割合の記載なし） 被験物質投与群；一用量　用量に依存した変化か確認できない。 投与容量の記載なし，調製時期の記載なし 新生児への経口投与方法は標準化されていないものと考える。
29	M-766318-01-1	Gatne, M. M.; Ramesh; Bhoir, P. S.; Deore, M. D.	2006	Immunotoxicity studies of imidacloprid in rats.	Toxicol. Int., Volume 13, Issue 2, Page 89-92, Publication Year 2006	b	別添5参照
30	M-767378-01-1	Pandit, Arif Ahmad; Mukhopadhyay, Chandra S.; Ramneek; Sethi, Ram S.	2017	Expression of TLR-9 and IL-1 beta following Concomitant Exposure to Imidacloprid and Endotoxin.	Pesticide Research Journal, (DEC 2017) Vol. 29, No. 2, pp. 243-250. ISSN: 0970-6763.	b	非GLP/準拠したガイドライン記載なし 本文献はイミダクロプリド単独(30日間反復強制経口投与)またはリポ多糖(鼻腔内投与)との組み合わせによる肺への影響をみることにより、イミダクロプリドの免疫調節機能を検索したものである。 イミダクロプリド6.55mg/kg体重/日を雄マウスに30日間反復強制経口投与したところ、TLR-9及びIL-1 betaの肺におけるM-RNA及び蛋白レベルに変化は認められなかったが、血清中ではTLR-9レベルの増加とIL-1beta蛋白レベルの減少が認められており、免疫調節作用が示唆されたと報告されている。しかし、1用量のため用量依存性についても確認ができないことから、この文献のみでこの結論に至るのは早計であると考える。

31	M-768999-01-1	Caron-Beaudoin, Elyse; Viau, Rachel; Sanderson, J. Thomas	2018	Effects of neonicotinoid pesticides on promoter-specific aromatase (CYP19) expression in Hs578t breast cancer cells and the role of the VEGF pathway.	Environmental Health Perspectives, (April 2018) Vol. 126, No. 4. arn. 047014. Refs: 69 ISSN: 0091-6765; E-ISSN: 1552-9924	b	非GLP/準拠したガイドライン記載なし 最終的な結論が示されていない。
32	M-766177-01-1	Bizerra, Paulo F. V.; Guimaraes, Anilda R. J. S.; Miranda, Camila A.; Constantin, Rodrigo P.; Utsunomiya, Karina S.; Gilglioni, Eduardo H.; Constantin, Jorgete; Ishii-Iwamoto, Emy L.; Maioli, Marcos A.; Mingatto, Fabio E.	2020	Enhanced cytotoxicity of imidacloprid by biotransformation in isolated hepatocytes and perfused rat liver	Pesticide Biochemistry and Physiology (2020) Ahead of Print	b	非GLP/準拠した試験テストガイドライン記載なし。 イミダクロプリドの肝に対する影響の作用機作を想定した試験であり、設定された用量の単位は参照値の単位と比較できない。
33	M-644273-01-1	Christen, Verena; Rusconi, Manuel; Crettaz, Pierre; Fent, Karl	2017	Developmental neurotoxicity of different pesticides in PC-12 cells in vitro	Toxicology and Applied Pharmacology (2017), 325, 25-36	b	非GLP/準拠したガイドライン記載なし。 発達神経毒性を有するのではないかと報告があるいくつかの物質について、PC-12細胞を用いてin vitro系での検索を実施している、その結果、発達神経毒性の検出にはPC-12細胞が適しており、nutrite outgrouwthの抑制とgap-43の表現型の変化が指標として有意義であると結論されているもので、被験物質について、発達神経毒性を有するか否かを最終的に結論しているものではないものと考える。イミダクロプリドはこの上記２つの指標において統計学的な有意差は認められていない。これは、登録取得のための安全性評価に用いられているin vivo発達神経毒性試験(GLP下，US－EPA OPPTS 870.6300に準拠，OECD426にも準拠）の結果で陰性であることと合致している。
34	M-768928-01-1	Xiang, Dandan; Han, Jian; Yao, Tingting; Wang, Qiangwei; Zhou, Bingsheng; Mohamed, Abou Donia; Zhu, Guonian	2017	Structure-Based Investigation on the Binding and Activation of Typical Pesticides With Thyroid Receptor.	Toxicological Sciences, (DEC 2017) Vol. 160, No. 2, pp. 205-216.ISSN: 1096-6080. E-ISSN: 1096-0929.	b	非GLP/準拠したガイドライン記載なし in vitro系による甲状腺に対する作用機作をみているが、代謝活性条件下で実施されていない。 登録に用いたin vivo系の安全性試験では、甲状腺の病理組織学的検査においてアゴニスト作用を示唆する所見は認められていない。
35	M-768956-01-1	Zhang Chao; Schiliro Tiziana; Gea Marta; Bianchi Silvia; Spinello Angelo; Magistrato Alessandra; Gilardi Gianfranco; Di Nardo Giovanna	2020	Molecular Basis for Endocrine Disruption by Pesticides Targeting Aromatase and Estrogen Receptor.	International journal of environmental research and public health, (2020 Aug 05) Vol. 17, No. 16. Electronic Publication Date: 5 Aug 2020	b	Estrone direct competitive ELISA kit MELN細胞によるレポーターアッセイ コンピュータシュミレーション 非GLP/準拠したガイドライン記載なし MELN細胞によるレポーターアッセイにより、エストロゲン作用が認められたと報告されている。 尚、GLP下でOECD ガイドラインに準拠した 短期、長期毒性試験及び繁殖性試験、発生毒性試験において、イミダクロプリドによるエストロゲン作用の証拠は認められていない。
36	M-766368-01-1	Kapoor, Upasana; Srivastava, M. K.; Trivedi, Purushottam; Garg, Veena; Srivastava, L. P.	2014	Disposition and acute toxicity of imidacloprid in female rats after single exposure	Food and Chemical Toxicology (2014), 68, 190-195	b	別添5参照

37	M-768944-01-1	Carmichael, Suzan L. (Correspondence); Yang, Wei; Roberts, Eric; Kegley, Susan E.; Padula, Amy M.; English, Paul B.; Lammer, Edward J.; Shaw, Gary M.	2014	Residential agricultural pesticide exposures and risk of selected congenital heart defects among offspring in the San Joaquin Valley of California.	Environmental Research, (November 01, 2014) Vol. 135, pp. 133-138. Refs: 30 ISSN: 0013-9351; E-ISSN: 1096-0953 CODEN: ENVRAL	b	被験者の被ばく量は、GIS - 半径500mのジオコード化された地点（被験者の住まい）について割り当てられた被ばく量から算出しており、個人レベルでの推定暴露データを検証するために利用できる測定データに限りがある。したがって、暴露-反応評価の点で、定量的 で検証された個人レベルのデータが不足していると考えらる。
38	M-495856-01-1	Yang, Wei; Carmichael, Suzan L.; Roberts, Eric M.; Kegley, Susan E.; Padula, Amy M.; English, Paul B.; Shaw, Gary M. [Reprint Author]	2014	Residential Agricultural Pesticide Exposures and Risk of Neural Tube Defects and Orofacial Clefts Among Offspring in the San Joaquin Valley of California.	American Journal of Epidemiology, (MAR 15 2014) Vol. 179, No. 6, pp. 740-748.	b	被験者について個々の暴露量評価はなされていない。
39	M-768951-01-1	Carmichael, Suzan L. (Correspondence); Yang, Wei; Roberts, Eric; Kegley, Susan E.; Brown, Timothy J.; English, Paul B.; Lammer, Edward J.; Shaw, Gary M.	2016	Residential agricultural pesticide exposures and risks of selected birth defects among offspring in the San Joaquin Valley of California.	Birth Defects Research Part A - Clinical and Molecular Teratology, (1 Jan 2016) Vol. 106, No. 1, pp. 27-35. Refs: 45 ISSN: 1542-0752; E-ISSN: 1542-0760 CODEN: BDRPBT	b	被験者の被ばく量は、GIS - 半径500mのジオコード化された地点（被験者の住まい）について割り当てられた被ばく量から算出しており、個人レベルでの推定曝露データを検証するために利用できる測定データに限りがある。したがって、暴露-反応評価の点で、定量的 で検証された個人レベルのデータが不足していると考えらる。
40	M-769007-01-1	Ling Chenxiao; Liew Zeyan; Von Ehrenstein Ondine S; Heck Julia E; Park Andrew S; Cui Xin; Cockburn Myles; Wu Jun; Ritz Beate	2018	Prenatal Exposure to Ambient Pesticides and Preterm Birth and Term Low Birthweight in Agricultural Regions of California.	Toxics, (2018 Jul 21) Vol. 6, No. 3. Electronic Publication Date: 21 Jul 2018	b	被験者の被ばく量は、半径2kmのジオコード化された地点（生まれた場所）について割り当てられた被ばく量から算出しており、個人レベルでの推定暴露データを検証するために利用できる測定データに限りがある。したがって、暴露-反応評価の点で、定量的 で検証された個人レベルのデータが不足していると考えらる
41	M-769049-01-1	Von Ehrenstein, Ondine S.; Ling, Chenxiao; Cui, Xin; Cockburn, Myles; Park, Andrew S.; Yu, Fei; Wu, Jun; Ritz, Beate	2019	Prenatal and infant exposure to ambient pesticides and autism spectrum disorder in children: Population based case-control study.	BMJ (Online), (2019) Vol. 364. arn. l962. Refs: 80 ISSN: 0959-8146; E-ISSN: 1756-1833 CODEN: BMJOAE	b	被験者について個々のレベルでの暴露量評価はなされていない。
42	M-769039-01-1	Beranger, Remi; Hardy, Emilie M.; Binter, Anne-Claire; Charles, Marie-Aline; Zaros, Cecile; Appenzeller, Brice M. R.; Chevrier, Cecile	2020	Multiple pesticides in mothers hair samples and childrens measurements at birth: Results from the French national birth cohort (ELFE)	International Journal of Hygiene and Environmental Health (2020), 223(1), 22-33	b	ヒト集団における直接的なサンプリングによる横断研究である。しかし、サンプル数が少なく、評価された生物学的エンドポイントとして疑問が残る。
43	M-767090-01-1	Prasanna, M. Naga; Vardhani, V. Viveka	2013	Effect of imidacloprid on the biochemical contents of kidneys in male Swiss albino mice	Bioscan (2013), 8(3, Suppl.), 1069-1074	c	非GLP/準拠している試験ガイドラインが記載されていない。 統計解析が可能な動物数が確保されていない（2例/各6時点/群での測定)。 被験物質の純度及び供給源なし

44	M-769059-01-1	Shao, Bo; Wang, Meixia; Chen, Anran; Zhang, Chunzhi; Lin, Li; Zhang, Zhaoqiang; Chen, Anlan	2020	Protective effect of caffeic acid phenethyl ester against imidacloprid -induced hepatotoxicity by attenuating oxidative stress, endoplasmic reticulum stress, inflammation and apoptosis	Pesticide Biochemistry and Physiology (2020) Ahead of Print	c	非GLP/準拠したガイドラインの記載なし 不純物の情報なし 片性(雄)のみの実施　飼育環境条件の情報なし 投与液の調製時期が不明，投与容量不明 用量段階；イミダクロプリド単独は一用量(5mg/kg体重/日)，設定理由が記載されていない。用量に関連した変化であるかの検討は不可能 屠殺方法記載なし イミダクロプリド由来の肝毒性を酸化的ストレス、小胞体ストレス、炎症、アポトーシスの観点からCaffein acid phenethyl ester （CAPA）が緩和する可能性を調べたものであり、イミダクロプリドの肝毒性に主眼をおいて述べられた報告書ではない。
45	M-767288-01-1	Ozsahin, Ayse Dilek; Bal, Ramazan; Yilmaz, Okkes	2014	Biochemical alterations in kidneys of infant and adult male rats due to exposure to the neonicotinoid insecticides imidacloprid and clothianidin	Toxicology Research (Cambridge, United Kingdom) (2014), 3(5), 324-330	c	非GLP/準拠した試験ガイドライン記載なし 雄ラット（7日齢，8-9週齢）を用いた90日間反復強制経口投与により、腎に対する影響として、腎臓組織中の脂肪酸、ビタミン、コレステロール量を調べているが、病理組織学的検査結果も実施されておらず、毒性影響とするべきかが不明瞭である。
46	M-769067-01-1	Saqer, Bahr Talal; Al-Aubadi, Inas Mudhafar; Ali, Abdulkarim Jawad	2019	STUDY ON THE EFFECT OF IMIDACLOPRID IN BLOOD, LIVER AND KIDNEY ON ADULT MALE ALBINO MICE .	Biochemical and Cellular Archives, (OCT 2019) Vol. 19, No. 2, pp. 3013-3024. ISSN: 0972-5075. E-ISSN: 0976-1772.	c	非GLP/準拠した試験ガイドライン記載なし 統計学的有意差結果が示されていない。動物の一般状態の情報がない。病理組織検査所見は形態像は記載されているが、頻度などの情報がない。濃度の単位がppmで表記されており、被験物質摂取量（mg/kg/day)が不明。
47	M-768186-01-1	Sun, Quancai; Xiao, Xiao; Kim, Yoo; Kim, Daeyoung; Yoon, Kyoon Sup; Clark, John M.; Park, Yeonhwa	2016	Imidacloprid Promotes High Fat Diet-Induced Adiposity and Insulin Resistance in Male C57BL/6J Mice	Journal of Agricultural and Food Chemistry (2016), 64(49), 9293-9306	c	非GLP/準拠した試験ガイドライン記載なし マウス雄にイミダクロプリドを高脂肪飼料と低脂肪食飼料それぞれに添加し、12週間混餌投与 非GLP/準拠したガイドライン記載なし 不純物の情報なし 対照群についての情報なし。グループサイズ不明瞭，精巣上体の脂肪組織の病理組織学的所見が記載されているが、その頻度及びその他の臓器の組織の記載なし。動物の一般観察などの所見なし。 高脂肪飼料及び低脂肪飼料用いていることから、この試験のNOAEL/LOAELをリスク評価への利用は適していない。
48	M-768996-01-1	Stivaktakis, Polychronis; Vlastos, Dimitris; Giannakopoulos, Evangelos; Matthopoulos, Demetrios P.	2010	Differential micronuclei induction in human lymphocyte cultures by imidacloprid in the presence of potassium nitrate.	TheScientificWorld, Volume 10, Issue Jan., Page 80-89, Publication Year 2010	c	非GLP/準拠したガイドライン記載なし 非代謝活性化条件のみ実施。 血液ドナーの性別の記載がない。 陽性対照及び陰性対照の背景データが示されていない。 硝酸カリウムとの混合のみ陽性

49	M-769058-01-1	Guo Jingyi; Shi Rong; Cao Yiyi; Luan Yang; Zhou Yijun; Gao Yu; Tian Ying	2018	Genotoxic effects of imidacloprid in human lymphoblastoid TK6 cells.	Drug and chemical toxicology, (2018 Aug 13) pp. 1-5. Electronic Publication Date: 13 Aug 2018	c	非GLP/準拠したガイドライン記載なし 代謝活性化条件下での試験は実施されていない。 陽性対照、陰性対照は同時に実施されているが、背景データーが報告されていない。 実施した用量の溶解性及細胞毒性についての記載がない。 他のGLPで実施され、OECD ガイドラインに準じた遺伝毒性試験成績から、イミダクロプリドの遺伝毒性は認められないものと考える。
50	M-765519-01-1	Bagri Preeti; Kumar Vinod; Sikka Anil Kumar	2014	An in vivo assay of the mutagenic potential of imidacloprid using sperm head abnormality test and dominant lethal test.	Drug and chemical toxicology, (2014 Oct 15) pp. 1-7. Electronic Publication Date: 15 Oct 2014	c	非GLP/準拠したガイドライン記載なし 方法、結果の不備がある： 被験物質の不純物の情報が不明，統計学亭手法；Abstract のみに記載 精子頭部異常試験(SHA)；テストガイドラインに収載されておらず、検証もされていない。陽性対照群なし。陰性/陽性対照の背景データなし。有害とみなす精子の形態変化の程度について、一般的に合意された基準はない。したがって本試験の結果の解釈、妥当性が不明。 優勢致死試験(DLT)；同時陽性対照が設定されておらず、陰性/陽性対照の背景データが示されていない。二匹の雌と交配され、交配した雄数、妊娠雌数、非妊雌数が記載されていない。また雌 1 匹当りの生存着床数、死亡着床数が計測されていない。
51	M-765522-01-1	Bagri Preeti; Kumar Vinod; Sikka Anil K	2016	Assessment of imidacloprid -induced mutagenic effects in somatic cells of Swiss albino male mice .	Drug and chemical toxicology, (2016 Jan 28) pp. 1-6. Electronic Publication Date: 28 Jan 2016	c	非GLP/準拠したガイドライン記載なし in vivo 染色体異常試験, in vivo 小核試験(7, 14, 28日反復強制経口投与) 方法、結果の不備がある； 被験物質の不純物の情報が不明，試験液の調製時期記載なし 同時陽性対照の設定なし 陰性対照及び陽性対照の背景データー情報なし。 分裂中期像数の分析した数、計測した幼若赤血球数が少ない。
52	M-621002-01-1	Senyildiz Mine; Kilinc Adem; Ozden Sibel	2018	Investigation of the genotoxic and cytotoxic effects of widely used neonicotinoid insecticides in HepG2 and SH-SY5Y cells.	Toxicology and industrial health, (2018 Jan 01) pp. 748233718762609. Electronic Publication Date: 1 Jan 2018	c	非GLP/準拠した試験ガイドライン記載なし 結果が適切に記載されていない 例;用量関連性がないことについて言及されていない。2つの細胞型における一貫性の欠如など、結果の記述が不明瞭である。

53	M-766176-01-1	Shi, Linbo; Xu, Huaping; Min, Fangfang; Li, Xin; Shi, Xiaoyun; Gao, Jinyan; Chen, Hongbing	2020	Imidacloprid exposure suppresses cytokine production and neutrophil infiltration in TLR2-dependent activation of RBL-2H3 cells and skin inflammation of BALB/c mice	New Journal of Chemistry (2020) Ahead of Print	c	非GLP/準拠したガイドライン記載なし 不純物の情報なし 皮内注射による受動的皮膚アナフィラキシー及び皮膚炎症誘発試験に使用した雌マウスの飼育環境条件が不明,試験方法が不明瞭 背景データーが報告されていないため、判断ができない。
54	M-768175-01-1	Shi, Linbo; Xu, Huaping; Wu, Yujie; Li, Xin; Zou, Li; Gao, Jinyan; Chen, Hongbing	2017	Alpha7-nicotinic acetylcholine receptors involve the imidacloprid -induced inhibition of IgE-mediated rat and human mast cell activation	RSC Advances (2017) Ahead of Print	c	非GLP/準拠しているガイドラインが記載されていない。 添加に用いた媒体が確認できない。 血漿をサンプリングした非アレルギー者の情報が記載されていない。
55	M-603100-01-1	Gu, Yi-Hua; Li, Yan; Huang, Xue-Feng; Zheng, Ju-Fen; Yang, Jun; Diao, Hua; Yuan, Yao; Xu, Yan; Liu, Miao; Shi, Hui-Juan; Xu, Wen-Ping.	2013	Reproductive effects of two neonicotinoid insecticides on mouse sperm function and early embryonic development in vitro.	PLoS One, Volume 8, Issue 7, Page e70112, Publication Year 2013	c	非GLP/準拠したガイドライン記載なし 不純物の情報なし 卵母細胞及び精液をそれぞれ採取したマウスの飼育環境及び供試数の情報なし。 用いた試験方法の信頼性、妥当性が検証できていない。
56	M-768952-01-1	Kimura-Kuroda, Junko; Nishito, Yasumasa; Yanagisawa, Hiroko; Kuroda, Yoichiro; Komuta, Yukari; Kawano, Hitoshi; Hayashi, Masaharu	2016	Neonicotinoid insecticides alter the gene expression proile of neuron-enriched cultures from neonatal rat cerebellum	International Journal of Environmental Research and Public Health (2016), 13(10), 987/1-987/27	c	非GLP/準拠したガイドラインの記載なし ガイドラインでまだ認められていない方法で行われたin vitro系の試験 ・発達神経毒性の検索に用いたモデルは、脳の発達を調べるモデルとしては適していない。 他の脳領域の細胞培養でデータを確認することができていない。 時間経過の実験を行わず、効果に用量依存性があるかどうか調査していない。 受容体結合アッセイと in vivo 実験において報告されたニコチンとイミダクロプリドの効力の差と、本文献の研究における等モル濃度でのニコチンとイミダクロプリドの非常に似た効果との間に矛盾があるものと考える。 IMIによって引き起こされるトランスクリプトームプロファイルの変化は、nAChRの直接活性化および／または脱感作によって引き起こされる可能性があると示唆しているが、確認データを提示していない。またトランスクリプトーム変化が神経タンパク質発現の変化や機能障害など、神経発達プロファイルの変化と因果関係があるかという事項については、細胞モデルのデータを示していないため、観察された効果の神経細胞発達への関連性は不明と考えられた。

57	M-768180-01-1	Sun, Quancai; Qi, Weipeng; Xiao, Xiao; Yang, Szu-Hao; Kim, Daeyoung; Yoon, Kyong Sup; Clark, John M.; Park, Yeonhwa	2017	Imidacloprid Promotes High Fat Diet-Induced Adiposity in Female C57BL/6J Mice and Enhances Adipogenesis in 3T3-L1 Adipocytes via the AMPK.alpha.-Mediated Pathway	Journal of Agricultural and Food Chemistry (2017), 65(31), 6572-6581	c	マウス雌にイミダクロプリドを高脂肪飼料と低脂肪食飼料それぞれに添加し、12週間混餌投与 In vitro試験；3T3-L1細胞，C2C12 細胞 非GLP/準拠したガイドライン記載なし 不純物の情報なし in vivo；対照群についての情報なし。グループサイズ不明瞭，精巣上体の病理組織学的所見が記載されているが、その頻度及びその他の臓器の組織の記載なし。動物の一般観察などの所見なし。 高脂肪飼料及び低脂肪飼料用いていることから、この試験のNOAEL/LOAELをリスク評価への利用は適していない。 in vitro；溶媒の情報なし, 両細胞ともに細胞数の情報なし,陰性対照群の情報なし。
58	M-769046-01-1	Bizerra, Paulo F. V.; Guimaraes, Anilda R. J. S.; Maioli, Marcos A.; Mingatto, Fabio E.	2018	Imidacloprid affects rat liver mitochondrial bioenergetics by inhibiting FoF1-ATP synthase activity	Journal of Toxicology and Environmental Health, Part A: Current Issues (2018), 81(8), 229-239	c	非GLP/準拠したガイドライン記載なし 肝ミトコンドリア生体内エネルギーに対するイミダクロプリドの影響をin vitro系で検索しているが、研究内容と同等である安全性試験で用いられた最低用量との比較ができない、また、他の試験結果と比較できる単位を用いて報告されていない。
59	M-760066-01-1	Mesnage, Robin; Biserni, Martina; Genkova, Dilyana; Wesolowski, Ludovic; Antoniou, Michael N.	2018	Evaluation of neonicotinoid insecticides for oestrogenic, thyroidogenic and adipogenic activity reveals imidacloprid causes lipid accumulation	Journal of Applied Toxicology (2018) Ahead of Print	c	ToxCast high-thoughput screening assayの結果であり、この結果のみをリスク評価に利用することができない。
60	M-769038-01-1	Wambaugh, John F.; Hughes, Michael F.; Ring, Caroline L.; Macmillan, Denise K.; Ford, Jermaine; Fennell, Timothy R.; Black, Sherry R.; Snyder, Rodney W.; Sipes, Nisha S.; Wetmore, Barbara A.; Westerhout, Joost; Setzer, R. Woodrow; Pearce, Robert G.; Simmo	2018	Evaluating in vitro-in vivo extrapolation of toxicokinetics	Toxicological Sciences (2018), 163(1), 152-169	c	雄SDラットにイミダクロプリドを含む化学物質を経口または静脈内投与し、薬物動態データ(TKデータ)を新たに取得し、既取得のTKデータと系統的解析を行う。 非GLP/準拠したガイドライン記載なし 被験物質に関する情報不足(購入先、純度) 対照群の設定なし、供試動物数が不明、投与量の設定が不適切(poとivで投与量が異なる)、供試動物が雄のみ(メスは使用していない)
61	M-768948-01-1	Keil, A. P.; Daniels, J. L.; Hertz-Picciottoa, I.	2014	Autism spectrum disorder, flea and tick medication, and adjustments for exposure misclassification: the CHARGE (CHildhood Autism Risks from Genetics and Environment) case-control study.	Environmental Health (2014) , Volume 13, Number 3, (23 January 2014) p., 60 refs. ISSN: 1476-069X Published by: BioMed Central Ltd, London	c	著者らは症例対照研究デザインにおけるバイアスに対処するための明確な試みを行っているが、ペットへの使用の有無の報告だけではイミダクロプリドへの暴露を理解することは不可能である。
62	M-769064-01-1	Zhang Nan; Wang Bata; Zhang Zhanpeng; Chen Xufeng; Huang Yue; Liu Qihui; Zhang Hua	2020	Occurrence of neonicotinoid insecticides and their metabolites in tooth samples collected from south China: Associations with periodontitis.	Chemosphere, (2020 Oct 01) Vol. 264, No. Pt 1, pp. 128498. Electronic Publication Date: 1 Oct 2020	c	交絡因子が性別及び年齢のみで少なく、適しているか疑念の残る歯の残留物という生体試料を用いており、検証されたアセスメントとはみなされない。

別添 3-2

適合性評価の第 2 段階で「区分 a」「区分 b」「区分 c」へ分類された論文リストとその理由：生活環境動植物及び家畜に対する毒性

No.	文献ファイル名	著者	出版年	論文表題	掲載誌名、号、ページ等	適合性	判断理由
1	M-652046-01-1	Rawi Sayed M; Al-Logmani Ayed S; Hamza Reham Z	2019	Neurological alterations induced by formulated imidacloprid toxicity in Japanese quails .	Metabolic brain disease, (2019 Jan 03) . Electronic Publication Date: 3 Jan 2019	a	信頼性あり(制限なし) 妥当な試験方法により日本ウズラに対する急性経口毒性を調べている。
2	M-758299-01-1	Raby Melanie; Maloney Erin; Poirier David G; Sibley Paul K	2019	ACUTE EFFECTS OF BINARY MIXTURES OF IMIDACLOPRID AND TEBUCONAZOLE ON 4 FRESHWATER INVERTEBRATES.	Environmental toxicology and chemistry, (2019 Feb 06) . Electronic Publication Date: 6 Feb 2019	a	信頼性あり(制限なし) ユスリカ、ヨコエビを含む水生昆虫に対する影響を、テブコナゾールとの混合のみでなく、イミダクロプリド単独でも試験している。 ユスリカは3齢幼虫を使用しているため参考データ。
3	M-809307-01-1	Ram, Budhi; Sharma, Harish Kumar; Dubey, J. K.; Sharma, K. C.; Patiyal, S. K.	2017	Evaluation of acute contact toxicity of imidacloprid to Apis mellifera under laboratory conditions	Journal of Pharmacognosy and Phytochemistry (2017), 6(Spec.Iss.1), 984-986	a	信頼性あり(制限あり) 投与溶液に用いた溶媒は不明だが、LD50が得られており、頭数も適切。
4	M-809256-01-1	Bommuraj, Vijayakumar; Chen, Yaira; Birenboim, Matan; Barel, Shimon; Shimshoni, Jakob A.	2020	Concentration-and time-dependent toxicity of commonly encountered pesticides and pesticide mixtures to honeybees (Apis mellifera L.)	Chemosphere (2020) Ahead of Print	a	信頼性あり(制限なし) 妥当な試験方法によりミツバチの単回及び反復毒性試験を実施している。
5	M-807712-01-1	Dai Pingli; Jack Cameron J; Mortensen Ashley N; Bustamante Tomas A; Bloomquist Jeffrey R; Ellis James D	2018	Chronic toxicity of clothianidin, imidacloprid , chlorpyrifos, and dimethoate to Apis mellifera L. larvae reared in vitro.	Pest management science, (2018 Jun 21) . Electronic Publication Date: 21 Jun 2018	a	信頼性あり(制限あり) 4濃度で試験したものの、用量が低く、死亡反応が得られていない。
6	M-808462-01-1	Kaur, Satinder; Nath, Ravinder; Deep, Gagan; Singh, Harpreet	2020	Impact of type and extent of sugars on the oral toxicity of imidacloprid on honeybees , Apis mellifera (Linn.).	Journal of Entomological Research, (DEC 2020) Vol. 44, No. 4, pp. 595-599.	b	ミツバチに対する投与媒体の違い(糖の種類及び濃度)がイミダクロプリドの毒性値に及ぼす影響を調べている。 ガイドラインと異なるスクロース濃度で投与された試験の検証に利用可能である。
7	M-547650-01-1	Hallmann, Caspar A.; Foppen, Ruud P. B.; Van Turnhout, Chris A. M.; De Kroon, Hans; Jongejans, Eelke	2014	Declines in insectivorous birds are associated with high neonicotinoid concentrations	Nature (London, United Kingdom) (2014), 511(7509), 341-343	c	鳥類群集モニタリングであり、リスク評価に直接用いられるエンドポイントは得られていないため参考データ。
8	M-627458-01-1	Raby, Melanie; Zhao, Xiaoming; Hao, Chunyan; Poirier, David G.; Sibley, Paul K.	2018	Chronic effects of an environmentally-relevant, short-term neonicotinoid insecticide pulse on four aquatic invertebrates	Science of the Total Environment (2018), 639, 1543-1552	c	暴露時間が24時間と短い。ユスリカの試験では3齢を使用している。
9	M-684114-01-1	Maloney, Erin M.; Sykes, Hunter; Morrissey, Christy; Peru, Kerry M.; Headley, John V.; Liber, Karsten	2020	Comparing the Acute Toxicity of Imidacloprid with Alternative Systemic Insecticides in the Aquatic Insect Chironomus dilutus	Environmental Toxicology and Chemistry (2020) Ahead of Print	c	ユスリカの急性毒性試験であるが、6-7日齢を使用している。
10	M-479141-01-1	Motobayashi, Takashi; Genka, Masaaki; Thai Khanh Phong; Watanabe, Hirozumi	2012	Effects of Formulation and Treatment Method of Imidacloprid in Nursery Boxes on Aquatic Insects Inhabiting Rice Paddy Fields.	Japanese Journal of Applied Entomology and Zoology, (2012) Vol. 56, No. 4, pp. 169-172.	c	登録されている適用内容に従って水稲箱処理後の水田における田面水中の濃度推移とユスリカ幼虫等に対する影響を調査している。試験方法はテストガイドラインと異なるため、参考データ。
11	M-810903-01-1	Wei, Fenghua; Wang, Dali; Li, Huizhen; You, Jing	2021	Joint toxicity of imidacloprid and azoxystrobin to Chironomus dilutus at organism, cell, and gene levels	Aquatic Toxicology (2021), 233, 105783	c	死亡をエンドポイントとしており遊泳阻害を見ていないこと、暴露時間が96時間であること、土壌を含む試験系であることから、ユスリカの急性遊泳阻害を評価する上では区分cと判断した。

12	M-546625-01-1	Lanteigne, Michelle; Whiting, Sara A.; Lydy, Michael J.	2014	Mixture Toxicity of Imidacloprid and Cyfluthrin to Two Non-target Species, the Fathead Minnow Pimephales promelas and the Amphipod Hyalella azteca; Mixture Toxicity of Imidacloprid and Cyfluthrin to Two Non - target Species, the Fathead Minnow Pimephales promelas and the Amphipod Hyalella azteca	Archives of Environmental Contamination and Toxicology (2015), 68(2), 354-361; Archives of Environmental Contamination and Toxicology (2014) Ahead of Print	c	ファットヘッドミノーとヨコエビの急性毒性試験を実施している。試験法はOECD及びUSEPAに従ったとあるが、試験法及び結果の詳細について十分に示されていない。
13	M-455945-01-1	Beketov, Mikhail A.; Liess, Matthias.	2008	Potential of 11 Pesticides to Initiate Downstream Drift of Stream Macroinvertebrates.	Arch. Environ. Contam. Toxicol., Volume 55, Issue 2, Page 247-253, Publication Year 2008	c	甲殻類に対する急性毒性を試験しているが水中濃度が測定されておらず、実際の暴露濃度が不明である。
14	M-479112-01-1	Nyman, Anna-Maija; Hintermeister, Anita; Schirmer, Kristin; Ashauer, Roman.	2013	The insecticide imidacloprid causes mortality of the freshwater amphipod Gammarus pulex by interfering with feeding behavior.	PLoS One, Volume 8, Issue 5, Page e62472, Publication Year 2013	c	摂餌条件下でのヨコエビへの影響。試験濃度区が少ない。暴露期間が長い。
15	M-807713-01-1	Knysh, Kyle M.; Courtenay, Simon C.; Grove, Carissa M.; Van Den Heuvel, Michael R.	2021	The Differential Effects of Salinity Level on Chlorpyrifos and Imidacloprid Toxicity to an Estuarine Amphipod	Bulletin of Environmental Contamination and Toxicology (2021) Ahead of Print	c	ヨコエビを用いて毒性を調べているが、ガイドラインで推奨されている種ではない。
16	M-812938-01-1	Holder, Philippa J.; Jones, Ainsley; Tyler, Charles R.; Cresswell, James E.	2018	Fipronil pesticide as a suspect in historical mass mortalities of honey bees	Proceedings of the National Academy of Sciences of the United States of America (2018), 115(51), 13033-13038	c	ミツバチに対する経口毒性を調べているが、摂餌量が正確に測定されているか不明であり、また結果についてもリスク評価に用いられるエンドポイントが明確には示されていないため参考データ。
17	M-808339-01-1	Wood, Sarah C.; Kozii, Ivanna V.; Koziy, Roman V.; Epp, Tasha; Simko, Elemir	2018	Comparative chronic toxicity of three neonicotinoids on New Zealand packaged honey bees .	PLoS ONE, (January 2018) Vol. 13, No. 1. arn. e0190517. Refs: 58 E-ISSN: 1932-6203 CODEN: POLNCL	c	ミツバチの慢性影響を調査しているが、リスク評価に用いる定量的エンドポイントは得られていないため参考データ。
18	M-771258-01-1	Zaworra, Marion; Koehler, Harald; Schneider, Josef; Lagojda, Andreas; Nauen, Ralf	2018	Pharmacokinetics of three neonicotinoid insecticides upon contact exposure in the western honey bee , Apis mellifera	Chemical Research in Toxicology (2018) Ahead of Print	c	ミツバチにおける体内動態であり、リスク評価に用いられるエンドポイントは得られていないため参考データ。
19	M-807734-01-1	Ma, Shilong; Yang, Yang; Fu, Zhongmin; Diao, Qingyun; Wang, Mengyue; Luo, Qihua; Wang, Xing; Dai, Pingli	2021	A combination of Tropilaelaps mercedesae and imidacloprid negatively affects survival , pollen consumption and midgut bacterial composition of honey bee	Chemosphere (2021), 268, 129368	c	寄生ダニとイミダクロプリドの相互作用を調べており、イミダクロプリド単独区もあるが、投与量は花粉残留濃度を基にしており、死亡反応が十分に見られない濃度設定である。
20	M-809312-01-1	Cowles, Richard S.; Eitzer, Brian D.	2017	Residues of neonicotinoid insecticides in pollen and nectar from model plants	Journal of Environmental Horticulture (2017), 35(1), 24-34	c	日本の代表的な使用方法／使用条件とは異なるが、灌注及び散布処理後の花粉及び花蜜における残留の参考となる。
21	M-810809-01-1	Jiang, Jiangong; Ma, Dicheng; Zou, Nan; Yu, Xin; Zhang, Zhengqun; Liu, Feng; Mu, Wei	2018	Concentrations of imidacloprid and thiamethoxam in pollen, nectar and leaves from seed-dressed cotton crops and their potential risk to honeybees (Apis mellifera L.)	Chemosphere (2018), 201, 159-167	c	日本の代表的な使用方法／使用条件とは異なるが、種子処理後の花粉及び花蜜における残留の参考となる。
22	M-810869-01-1	Heller, Sarah; Joshi, Neelendra K; Chen, Jing; Rajotte, Edwin G; Mullin, Chris; Biddinger, David J	2020	Pollinator exposure to systemic insecticides and fungicides applied in the previous fall and pre-bloom period in apple orchards	Environmental pollution (2020) ISSN: 0269-7491 Published by: Elsevier Ltd Source Note: 2020 Apr. 10,	c	日本の処理量・方法とは異なるため参考データ。

23	M-585157-01-1	Silvina, Niell; Florencia, Jesus; Nicolas, Perez; Cecilia, Perez; Lucia, Pareja; Abbate, Silvana; Leonidas, Carrasco-Letelier; Sebastian, Diaz; Yamandu, Mendoza; Veronica, Cesio; Horacio, Heinzen	2017	Neonicotinoids transference from the field to the hive by honey bees : Towards a pesticide residues biomonitor	Science of the Total Environment (2017), 581-582, 25-31	c	だいずに散布後のだいず葉、ミツバチ、巣中のハチミツ、花粉を分析。使用方法は日本における登録内容と異なるため、リスク評価に直接的には利用できない。

別添 3-3

適合性評価の第 2 段階で「区分 a」「区分 b」「区分 c」へ分類された論文リストとその理由：環境動態

No.	文献ファイル名	著者	出版年	論文表題	掲載誌名、号、ページ等	適合性	判断理由
1	M-548255-01-1	Jeong, Chang Yoon; Selim, H. M.	2010	Modeling adsorption-desorption kinetics of imidacloprid in soils.	Soil Sci., Volume 175, Issue 5, Page 214-222, Publication Year 2010	a	信頼性あり(制限あり) 土壌吸着を調べている。有機物含量は報告されているが有機炭素含量が報告されていないため、Kocが求められない。
2	M-812823-01-1	Jeong, Chang Yoon; Selim, H. Magdi	2011	Adsorption-Desorption Kinetics of Imidacloprid in Soils: Influence of Phosphate	Soil Science (2011), 176(11), 582-588	a	信頼性あり(制限あり) リン添加による土壌吸着への影響を調べているが、リンを添加していない土壌での吸着性も試験している。ただし、物質収支について検討されておらず、試験濃度が3濃度のみ。
3	M-548358-01-1	Broznic, Dalibor; Milin, Cedomila	2012	Effects of temperature on sorption-desorption processes of imidacloprid in soils of Croatian coastal regions	Journal of Environmental Science and Health, Part B: Pesticides, Food Contaminants, and Agricultural Wastes (2012), 47(8), 779-794	a	信頼性あり(制限なし) OECD 106に沿った試験。
4	M-548262-01-1	Broznic, Dalibor; Marinic, Jelena; Tota, Marin; Juresic, Gordana Canadi; Petkovic, Orjen; Milin, Cedomila	2012	Hysteretic Behavior of Imidacloprid Sorption-Desorption in Soils of Croatian Coastal Regions	Soil and Sediment Contamination (2012), 21(7), 850-871	a	信頼性あり(制限なし) OECD試験法に従った土壌吸着試験であるが、土壌存在下での物質収支を確認していない。しかし、土壌非存在下での安定性を確認しており、また滅菌条件で試験しているため、物質収支は問題ないと考えられる。
5	M-548371-01-1	Broznic, Dalibor; Marinic, Jelena; Tota, Marin; Juresic, Gordana Canadi; Milin, Cedomila	2012	Soil sorption characteristics of imidacloprid in different Croatian regions	International Journal of Environmental Engineering. Vol. 4, no. 3-4, pp. 324-336. 2012. ISSN: 1756-8463 E-ISSN: 1756-8471 DOI: 10.1504/IJEE.2012.050802 Published by: Inderscience Publishers Ltd., PO Box 735 Olney Bucks MK46 5WB United Kingdom	a	信頼性あり(制限あり) 土壌吸着試験をOECD試験法に従い実施している。物質収支の確認等、逸脱が認められるものの、概ねOECD試験法に従っている。
6	M-548414-01-1	Jin, Xiangxiang; Ren, Jingbei; Wang, Baichuan; Lu, Qiang; Yu, Yunlong	2013	Impact of coexistence of carbendazim, atrazine, and imidacloprid on their adsorption, desorption, and mobility in soil	Environmental Science and Pollution Research (2013), 20(9), 6282-6289	a	信頼性あり(制限あり) 土壌吸着を調べているが、吸着平衡到達及び物質収支について検討されていない。
7	M-809286-01-1	Motoki, Yutaka; Iwafune, Takashi; Seike, Nobuyasu; Otani, Takashi; Asano, Maki	2014	Effects of organic carbon quality on the sorption behavior of pesticides in Japanese soils	Journal of Pesticide Science (Tokyo, Japan) (2014), 39(2), 105-114	a	信頼性あり(制限あり) 各種農薬について有機炭素と土壌吸着との関係を調べているが、平衡時間を一律24時間としており、吸着平衡に達しているか不明。
8	M-548420-01-1	Kandil, Mahrous M.; El-Aswad, Ahmed F.; Koskinen, William C.	2015	Sorption-desorption of imidacloprid onto a lacustrine Egyptian soil and its clay and humic acid fractions	Journal of Environmental Science and Health, Part B: Pesticides, Food Contaminants, and Agricultural Wastes (2015), 50(7), 473-483	a	信頼性あり(制限あり) 土壌吸着を調べている。試験期間中の分解は最小限と仮定して物質収支の確認を行っていない等、OECD試験法に完全には準拠していないが、試験方法及び報告内容から受け入れ可能と考える。
9	M-627460-01-1	Dankyi, Enock; Gordon, Chris; Carboo, Derick; Apalangya, Vitus A.; Fomsgaard, Inge S.	2018	Sorption and degradation of neonicotinoid insecticides in tropical soils	Journal of Environmental Science and Health, Part B: Pesticides, Food Contaminants, and Agricultural Wastes (2018) Ahead of Print	a	信頼性あり(制限あり) OECD試験法に沿った土壌吸着試験である。物質収支の確認を行っていない等、同試験法に完全には準拠していないが、試験方法及び報告内容から受け入れ可能と考える。

10	M-809304-01-1	Zhang, Peng; Ren, Chao; Sun, Hongwen; Min, Lujuan	2018	Sorption, desorption and degradation of neonicotinoids in four agricultural soils and their effects on soil microorganisms	Science of the Total Environment (2018), 615, 59-69	a	信頼性あり(制限あり) 土壌吸着を調べているが、水中濃度の分析のみであり、物質収支が得られたのか不明。平衡化時間、土壌水比、試験濃度等の検討に関するデータがない。
11	M-811690-01-1	Zhang, Peng; Min, Lujuan; Tang, Jingchun; Rafiq, Muhammad Khalid; Sun, Hongwen	2020	Sorption and degradation of imidacloprid and clothianidin in Chinese paddy soil and red soil amended with biochars.	Biochar, (SEP 2020) Vol. 2, No. 3, pp. 329-341	a	信頼性あり(制限あり) バイオ炭添加による土壌吸着への影響を調べているが、バイオ炭を添加していない土壌での吸着性も試験している。ただし、吸着平衡到達及び物質収支について検討されていない。
12	M-809308-01-1	C Alister Http://Orcidorg/0000-0002-2965-1558; Araya, M; Cordova, A; Saavedra, J; Kogan, M	2020	Humic Substances and their Relation to Pesticide Sorption in Eight Volcanic Soils	Planta Daninha, Vol. 38, 20200101 ISSN: 0100-8358 E-ISSN: 1806-9681 DOI: 10.1590/s0100-83582020380100021 Published by: Sociedade Brasileira da Ciencia das Plantas Daninhas, UFV - Depto de Fitotecnia, Jaboticabal	a	信頼性あり(制限あり) 土壌吸着を調べているが、試験温度が20℃である。水中濃度の分析のみであるが、物質収支が得られたのか不明。
13	M-548435-01-1	Sharma, Smriti; Singh, Balwinder	2014	Metabolism and persistence of imidacloprid in different types of soils under laboratory conditions	International Journal of Environmental Analytical Chemistry (2014) Ahead of Print	b	イミダクロプリドの好気土壌における動態把握に利用できる。
14	M-477693-01-1	Ding, Tao; Jacobs, David; Lavine, Barry K. (Reprint)	2011	Liquid chromatography-mass spectrometry identification of imidacloprid photolysis products	MICROCHEMICAL JOURNAL, (NOV 2011) Vol. 99, No. 2, pp. 535-541. ISSN: 0026-265X.	b	イミダクロプリドの水中における光分解による動態把握に利用できる。
15	8705700	Mahapatra, Bibhab; Adak, Totan; Patil, Naveen K. B.; Pandi, G. Guru P.; Gowda, G. Basana; Yadav, Manoj Kumar; Mohapatra, S. D.; Rath, P. C.; Munda, Sushmita; Jena, Mayabini	2017	Effect of Abiotic Factors on Degradation of Imidacloprid	Bulletin of Environmental Contamination and Toxicology (2017), 99(4), 475-480	c	環境中分解に対する非生物学的な要因を調べている。
16	M-809311-01-1	Watanabe, Eiki; Seike, Nobuyasu	2021	Liquid Chromatographic Determination of Trace Bioavailable Neonicotinoids in Soil with Dispersive Liquid-Liquid Microextraction and Its Application for Experimental Monitoring	Journal of Agricultural and Food Chemistry (2021), 69(14), 4284-4293	c	テストガイドラインに準拠した試験法ではないのでリスク評価には利用できないが、土壌中残留の評価における参考データとなる可能性がある。
17	M-548343-01-1	Dalkmann, Philipp; Menke, Ulrich; Schaefer, Dieter; Keppler, Juergen; Paetzold, Stefan.	2012	Aging of methabenzthiazuron, imidacloprid, and N,N-dimethylsulfamide in silty soils and effects on sorption and dissipation.	Environ. Toxicol. Chem., Volume 31, Issue 3, Page 556-565, Publication Year 2012	c	土壌における経時的な吸着性を確認できるものの、リスク評価に利用可能なエンドポイントは得られていないため参考データ。
18	M-809258-01-1	Aliste, Marina; Perez-Lucas, Gabriel; Garrido, Isabel; Fenoll, Jose; Navarro, Simon	2021	Mobility of insecticide residues and main intermediates in a clay-loam soil, and impact of leachate components on their photocatalytic degradation	Chemosphere (2021), 274, 129965	c	吸着試験を実施しているが、1濃度のみでの試験であることから、参考データ。
19	M-810867-01-1	Todey Stephen A; Fallon Ann M; Arnold William A	2018	NEONICOTINOID INSECTICIDE HYDROLYSIS AND PHOTOLYSIS: RATES AND RESIDUAL TOXICITY .	Environmental toxicology and chemistry, (2018 Aug 29) . Electronic Publication Date: 29 Aug 2018	c	加水分解及び水中光分解速度を求めている。直接リスク評価には使用できないため参考データ。
20	M-479115-01-1	Thuyet, Dang Quoc; Watanabe, Hirozumi; Ok, Junghun	2013	Effect of pH on the degradation of imidacloprid and fipronil in paddy water	Journal of Pesticide Science (Tokyo, Japan) (2013), 38(4), 223-227	c	水田水中における分解に対するpHの影響を調べている。直接リスク評価には使用できないため参考データ。

21	M-548136-01-1	Redlich, Dirk; Shahin, Nabil; Ekici, Perihan; Friess, Albrecht; Parlar, Harun	2007	Kinetical study of the photoinduced degradation of imidacloprid in aquatic media	Clean: Soil, Air, Water (2007), 35(5), 452-458	c	水中光分解を調べており、リスク評価パラメーターを設定する際の補足データとして利用が可能と想定される。
22	M-548403-01-1	Lu, Zhe; Challis, Jonathan K.; Wong, Charles S.	2015	Quantum Yields for Direct Photolysis of Neonicotinoid Insecticides in Water: Implications for Exposure to Nontarget Aquatic Organisms	Environmental Science and Technology Letters (2015), 2(7), 188-192	c	水中光分解の補足データとしての利用可能性がある。
23	M-549333-01-2	Naoi, Hiromu; Kamata, Motoyuki	2011	Evaluation for neonicotinoid pesticide in water environment and water purification process	Kogaku Sogo Kenkyushoho, Kanto Gakuin Daigaku (2011), 39, 11-17	c	神奈川県内のモニタリングと浄水処理効果を調べているが、リスク評価に用いられるエンドポイントは得られていないため参考データ。
24	M-812936-01-1	Sato, Manabu; Uemura, Hitoshi; Kosaka, Koji; Asami, Mari; Kamata, Motoyuki	2016	Survey of pesticide concentrations, including neonicotinoids, in the Sagami River, its tributaries and tap Water	Mizu Kankyo Gakkaishi (2016), 39A(12), 153-162	c	日本における河川水モニタリングであり、リスク評価パラメーターの設定には利用されないが、実際の河川中濃度はリスク評価における補足データとして利用可能。
25	M-800320-01-1	Ohtsuka, N.; Minomo, K.; Motegi, M.; Nojiri, K.; Horii, Y.; Takemine, S.	2016	Occurrence of chloronicotinyl insecticides in river waters in Saitama prefecture, Japan	Organohalogen Compounds (2016), 78, 1095-1098	c	国内の河川モニタリングの結果であり、PEC算定値の検証への利用可能性が考えられる。
26	M-809310-01-1	Oyama, Koji; Yabuki, Yoshinori; Banno, Arisa	2019	Investigation of seasonal changes and ecological risk assessments of neonicotinoid pesticides in rivers in Osaka, Japan	Mizu Kankyo Gakkaishi (2019), 42A(12), 277-284	c	日本における河川水モニタリングであり、リスク評価パラメーターの設定には利用されないが、実際の河川中濃度はリスク評価における補足データとして利用可能。
27	M-809475-01-1	Klarich Wong, Kathryn L.; Webb, Danielle T.; Nagorzanski, Matthew R.; Kolpin, Dana W.; Hladik, Michelle L.; Cwiertny, David M.; Lefevre, Gregory H.	2019	Chlorinated Byproducts of Neonicotinoids and Their Metabolites : An Unrecognized Human Exposure Potential?	Environmental Science and Technology Letters (2019), 6(2), 98-105	c	分解物の水道水塩素処理過程での塩素化分解物の生成であり、直接リスク評価には使用できないため参考データ。
28	M-810743-01-1	Boulange, Julien; Jaikaew, Piyanuch; Watanabe, Hirozumi; Thuyet, Dang Quoc	2016	Simulating the fate and transport of nursery-box-applied pesticide in rice paddy fields	Pest Management Science (1 Jun 2016) Volume 72, Number 6, pp. 1178-1186, 32 refs. CODEN: PMSCFC ISSN: 1526-498X E-ISSN: 1526-4998 DOI: 10.1002/ps.4096 Published by: John Wiley and Sons Ltd, Southern Gate, Chichester, West Sussex, PO19 8SQ (GB)	c	箱処理後の水田での消長モデリング。

公表文献調査報告書

イミダクロプリド

別添 4

海外評価引用文献

別添 4-1-1

海外評価引用文献：ヒトに対する毒性 (別添 4-2-1 を除く)

No.	文献ファイル名	著者	出版年	論文表題	掲載誌名、号、ページ等	評価機関	評価書情報(発行年等)	備考
1	M-768994-01-1	El-Gendy, Kawther S.; Aly, Nagat M.; Mahmoud, Fatma H.; Kenawy, Anter; El-Sebae, Abdel Khalek H.	2010	The role of vitamin C as antioxidant in protection of oxidative stress induced by imidacloprid.	Food Chem. Toxicol., Volume 48, Issue 1, Page 215-221, Publication Year 2010	EPA	#1; Appendix 2-3, p 36	適合性あり (区分c) 非GLP/準拠したガイドライン記載なし 不純物の情報なし 投与容量の記載なし，試験液の調製時期の記載なし 動物；雄のみ，順化期間、供試時の週齢及び体重の情報，投与後一般症状等の記載なし イミダクロプリドの単独での投与は１用量のみ 陽性対照が設定されていない。背景データーも記載なし。
2	M-513337-01-1	Bhardwaj, Shipra; Srivastava, M. K.; Kapoor, Upasana; Srivastava, L. P.	2010	A 90 days oral toxicity of imidacloprid in female rats: Morphological, biochemical and histopathological evaluations.	Food Chem. Toxicol., Volume 48, Issue 5, Page 1185-1190, Publication Year 2010	EPA	#1; Chapter 2, p 2-33 (Figure 2-15)	適合性あり (区分b) 別添5参照
3	M-603099-01-1	Kapoor, Upasana; Srivastava, Mithilesh Kumar; Bhardwaj, Shipra; Srivastava, Laxman Prasad.	2010	Effect of imidacloprid on antioxidant enzymes and lipid peroxidation in female rats to derive its No Observed Effect Level (NOEL).	J. Toxicol. Sci., Volume 35, Issue 4, Page 577-581, Publication Year 2010	EPA	#1; Chapter 2, p 2-33 (Figure 2-15)	適合性あり (区分b) 非GLP/準拠したガイドライン記載なし 不純物の情報なし 片性のみ，投与容量の記載なし，調製時期の記載なし，陽性対照設定なし 動物数1群5匹,無作為化方法記載なし
4	M-434092-01-1	Kapoor, Upasana; Srivastava, M. K.; Srivastava, L. P.	2011	Toxicological impact of technical imidacloprid on ovarian morphology, hormones and antioxidant enzymes in female rats.	Food Chem. Toxicol., Volume 49, Issue 12, Page 3086-3089, Publication Year 2011	EPA	#1; Chapter 2, p 2-9, 2-32, 2-33 (Figure 2-15)	適合性あり (区分b) 非GLP/準拠したガイドライン記載なし 不純物の情報なし 投与容量の記載なし，調製時期の記載なし，陽性対照設定なし ホルモン測定に関して、発情周期の時期、測定時間、安楽死方法などの情報が不明 文献に記載されている流涎，下痢は弊社のGLP下の試験(急性経口毒性、急性神経毒性試験、90日間反復経口投与毒性試験，1年間反復経口投与毒性試験)で認められていない。

5	M-765518-01-1	Badgujar, Prarabdh C.; Jain, S. K.; Singh, Ajit; Punia, J. S.; Gupta, R. P.; Chandratre, Gauri A.	2013	Immunotoxic effects of imidacloprid following 28 days of oral exposure in BALB/c mice.	Environ. Toxicol. Pharmacol., Volume 35, Issue 3, Page 408-418, Publication Year 2013	EPA	#1; Appendix 2-3, p 32	適合性あり (区分b) 別添5参照
6	M-766172-01-1	Gawade, Lalita; Dadarkar, Shruta S.; Husain, Raghib; Gatne, Madhumanjiri.	2013	A detailed study of developmental immunotoxicity of imidacloprid in Wistar rats.	Food Chem. Toxicol., Volume 51, Page 61-70, Publication Year 2013	EPA	#1; Chapter 2, p 2-33 (Figure 2-15)	適合性あり (区分c) 非GLP/準拠した試験ガイドラインの記載なし。被験物質の純度及び供給源の情報なし。 結果の情報が不充分のため評価が不可能： 例； 1群の動物数が記載されていない。 評価に供した母動物数/児動物数の情報なし. Phagocytosis assayにおいて、分析した細胞数が報告されていない。 赤血球凝集反応試験では陽性対照が設定されていない。 背景データが示されていない。
7	M-448064-01-1	Kimura-Kuroda, Junko; Komuta, Yukari; Kuroda, Yoichiro; Hayashi, Masaharu; Kawano, Hitoshi.	2012	Nicotine-like effects of the neonicotinoid insecticides acetamiprid and imidacloprid on cerebellar neurons from neonatal rats.	PLoS One, Volume 7, Issue 2, Page e32432, Publication Year 2012	EFSA	#5; p.17-24	適合性あり (区分c) 別添5参照（M-447866-01-1）

#1: EPA, draft Biological Evaluation, 2021

#5: EFSA, Scientific Opinion on the developmental neurotoxicity potential of acetamiprid and imidacloprid, 2014

別添 4-1-2

海外評価引用文献：生活環境動植物及び家畜に対する毒性 (別添 4-2-3 を除く)

No.	文献ファイル名	著者	出版年	論文表題	掲載誌名、号、ページ等	評価機関	評価書情報(発行年等)	備考
1	M-547416-01-1	Lopez-Antia, Ana; Ortiz-Santaliestra, Manuel E.; Mougeot, Francois; Mateo, Rafael.	2013	Experimental exposure of red-legged partridges (Alectoris rufa) to seeds coated with imidacloprid, thiram and difenoconazole.	Ecotoxicology, Volume 22, Issue 1, Page 125-138, Publication Year 2013	EPA	#1; Chapter 2, p 2-28 (Figure 2-12)	用量の段階が足りず、定量的評価には適さない。認められた影響は体重減少に関連した二次的影響と考えられる。
2	M-547302-01-1	Lopez-Antia, Ana; Ortiz-Santaliestra, Manuel E.; Mougeot, Francois; Mateo, Rafael	2014	Imidacloprid -treated seed ingestion has lethal effect on adult partridges and reduces both breeding investment and offspring immunity	Environmental Research (2014) Ahead of Print	EPA	#1; Chapter 2, p 2-28 (Figure 2-12); Appendix 2-3, p 28-29	認められた影響は体重減少に関連した二次的影響と考えられる。
3	M-811688-01-1	Franzen-Klein, Dana; Jankowski, Mark; Roy, Charlotte L.; Nguyen-Phuc, Hoa; Chen, Da; Neuman-Lee, Lorin; Redig, Patrick; Ponder, Julia	2020	Evaluation of neurobehavioral abnormalities and immunotoxicity in response to oral imidacloprid exposure in domestic chickens (Gallus gallus domesticus)	Journal of Toxicology and Environmental Health, Part A: Current Issues (2020) Ahead of Print	EPA	#1; Appendix 2-2	
4	M-811681-01-1	Pandey, Surya Prakash; Mohanty, Banalata	2017	Disruption of the hypothalamic-pituitary-thyroid axis on co-exposures to dithiocarbamate and neonicotinoid pesticides: Study in a wildlife bird , Amandava amandava	NeuroToxicology (2017), 60, 16-22	EPA	#1; Appendix 2-2	鳥類の甲状腺への影響であり、評価に用いることが可能なエンドポイントは報告されていない。
5	M-479105-01-1	Tisler, Tatjana; Jemec, Anita; Mozetic, Branka; Trebse, Polonca.	2009	Hazard identification of imidacloprid to aquatic environment.	Chemosphere, Volume 76, Issue 7, Page 907-914, Publication Year 2009	EPA	#1; Chapter 2, p 2-13 (Figure 2-1); Appendix 2-5, p 5	
6	M-808457-01-1	Ozdemir, Selcuk; Altun, Serdar; Ozkaraca, Mustafa; Ghosi, Atena; Toraman, Emine; Arslan, Harun	2018	Cypermethrin, chlorpyrifos, deltamethrin , and imidacloprid exposure up-regulates the mRNA and protein levels of bdnf and c-fos in the brain of adult zebrafish (Danio rerio)	Chemosphere (2018), 203, 318-326	EPA	#1; Appendix 2-2	ゼブラフィッシュを用いた研究であるが、日本の評価に用いるエンドポイントは得られておらず定性的な結果。
7	M-808456-01-1	Wu, Shenggan; Li, Xinfang; Liu, Xinju; Yang, Guiling; An, Xuehua; Wang, Qiang; Wang, Yanhua	2018	Joint toxic effects of triazophos and imidacloprid on zebrafish (Danio rerio)	Environmental Pollution (Oxford, United Kingdom) (2018), 235, 470-481	EPA	#1; Chapter 2, p 10-13; Appendix 2-3, p 3-4	#1における記載：Quantitative, Limitations of Study: The concentration of imidacloprid at any test level is not expressly known for any acute test. Test validity criteria were not stated in the paper.
8	M-808444-01-1	Islam, Md. A.; Hossen, Md. S.; Sumon, Kizar A.; Rahman, Mohammad M.	2019	Acute Toxicity of Imidacloprid on the Developmental Stages of Common Carp Cyprinus carpio.	Toxicology and Environmental Health Sciences, (1 Sep 2019) Vol. 11, No. 3, pp. 244-251. Refs: 56 ISSN: 2005-9752; E-ISSN: 2233-7784	EPA	#1; Chapter 2, p 2-13 (Figure 2-1)	
9	M-758290-01-1	Chang, Yiming; Mao, Liangang; Zhang, Lan; Zhang, Yanning; Jiang, Hongyun	2020	Combined toxicity of imidacloprid , acetochlor, and tebuconazole to zebrafish (Danio rerio): acute toxicity and hepatotoxicity assessment	Environmental Science and Pollution Research (2020) Ahead of Print	EPA	#1; Chapter 2, p 2-13 (Figure 2-1)	

10	M-478930-01-1	Daam, Michiel A.; Santos Pereira, Ana C.; Silva, Emilia; Caetano, Lia; Cerejeira, Maria Jose	2013	Preliminary aquatic risk assessment of imidacloprid after application in an experimental rice plot	Ecotoxicology and Environmental Safety (2013), 97, 78-85	EFSA	#4; p 35, 101, 388	ISO法に従い、オオミジンコ、緑藻、ウキクサに対する毒性試験を実施したとあるが、試験方法の詳細が示されていない。イミダクロプリド処理後の水田水中の濃度を測定しているが、日本の代表的な使用方法／使用条件における評価に活用できない(ほ場条件、土性等)。
11	M-546621-01-1	Crosby, Emily B.; Bailey, Jordan M.; Oliveri, Anthony N.; Levin, Edward D.	2015	Neurobehavioral impairments caused by developmental imidacloprid exposure in zebrafish	Neurotoxicology and Teratology (2015), 49, 81-90	EPA	#1; Appendix 2-2	
12	M-811614-01-1	Vignet, Caroline; Cappello, Tiziana; Fu, Qiuguo; Lajoie, Kevin; De Marco, Giuseppe; Clerandeau, Christelle; Mottaz, Helene; Maisano, Maria; Hollender, Juliane; Schirmer, Kristin; Cachot, Jerome	2019	Imidacloprid induces adverse effects on fish early life stages that are more severe in Japanese medaka (Oryzias latipes) than in zebrafish (Danio rerio)	Chemosphere (2019), 225, 470-478	EPA	#1; Appendix 2-2	
13	M-587657-01-1	Wang, Yanhua; Yang, Guiling; Dai, Dejiang; Xu, Zhenlan; Cai, Leiming; Wang, Qiang; Yu, Yijun	2016	Individual and mixture effects of five agricultural pesticides on zebrafish (Danio rerio) larvae	Environmental Science and Pollution Research (2016) Ahead of Print	EPA	#1; Appendix 2-3, p 8-9	
14	M-478736-01-1	Jemec, Anita; Tisler, Tatjana; Drobne, Damjana; Sepcic, Kristina; Fournier, Didier; Trebse, Polonca.	2007	Comparative toxicity of imidacloprid, of its commercial liquid formulation and of diazinon to a non-target arthropod, the microcrustacean Daphnia magna.	Chemosphere, Volume 68, Issue 8, Page 1408-1418, Publication Year 2007	EPA	#1; Chapter 2, p 2-21 (Figure 2-7)	ミジンコの慢性影響を調査しており、日本の評価に用いられるエンドポイントは得られていない。
15	M-479099-01-1	Pestana, Joao L. T.; Loureiro, Susana; Baird, Donald J.; Soares, Amadeu M. V. M.	2010	Pesticide exposure and inducible antipredator responses in the zooplankton grazer, Daphnia magna Straus.	Chemosphere, Volume 78, Issue 3, Page 241-248, Publication Year 2010	EPA	#1; Appendix 2-5, p 5	
16	M-468064-01-1	Loureiro, Susana; Svendsen, Claus; Ferreira, Abel L. G.; Pinheiro, Clara; Ribeiro, Fabianne; Soares, Amadeu M. V. M.	2010	Toxicity of three binary mixtures to Daphnia magna: Comparing chemical modes of action and deviations from conceptual models.	Environ. Toxicol. Chem., Volume 29, Issue 8, Page 1716-1726, Publication Year 2010	EPA	#1; Appendix 2-5, p 5	
17	M-478944-01-1	Hayasaka, Daisuke; Korenaga, Tomoko; Suzuki, Kazutaka; Sanchez-Bayo, Francisco; Goka, Koichi.	2012	Differences in susceptibility of five cladoceran species to two systemic insecticides, imidacloprid and fipronil.	Ecotoxicology, Volume 21, Issue 2, Page 421-427, Publication Year 2012	EPA	#1; Appendix 2-5, p 4-5	濃度5段階。詳細は十分でないが、参考として使用可能。
18	M-478753-01-1	Agatz, Annika; Cole, Tabatha A.; Preuss, Thomas G.; Zimmer, Elke; Brown, Colin D.	2013	Feeding inhibition explains effects of imidacloprid on the growth, maturation, reproduction, and survival of Daphnia magna	Environmental Science and Technology (2013), 47(6), 2909-2917	EPA	#1; Chapter 2, p 2-21 (Figure 2-7)	日本の評価に用いられるエンドポイントは得られていない。
19	M-808463-01-1	Qi, Suzhen; Wang, Donghui; Zhu, Lizhen; Teng, Miaomiao; Wang, Chengju; Xue, Xiaofeng; Wu, Liming	2018	Neonicotinoid insecticides imidacloprid , guadipyr, and cycloxaprid induce acute oxidative stress in Daphnia magna	Ecotoxicology and Environmental Safety (2018), 148, 352-358	EPA	#1; Appendix 2-5, p 5	

20	M-808446-01-1	Bedrossiantz, Juliette; Martinez-Jeronimo, Fernando; Bellot, Marina; Raldua, Demetrio; Gomez-Canela, Cristian; Barata, Carlos	2020	A high-throughput assay for screening environmental pollutants and drugs impairing predator avoidance in Daphnia magna	Science of the Total Environment (2020), 740, 140045	EPA	#1; Appendix 2-2	
21	M-466479-01-1	Pavlaki, Maria D.; Pereira, Ricardo; Loureiro, Susana; Soares, Amadeu M. V. M.	2011	Effects of binary mixtures on the life traits of Daphnia magna.	Ecotoxicol. Environ. Saf., Volume 74, Issue 1, Page 99-110, Publication Year 2011	EPA	#1; Chapter 2, p 2-21 (Figure 2-7)	
22	M-479120-01-1	Stoughton, Sarah J.; Liber, Karsten; Culp, Joseph; Cessna, Allan.	2008	Acute and Chronic Toxicity of Imidacloprid to the Aquatic Invertebrates Chironomus tentans and Hyalella azteca under Constant- and Pulse-Exposure Conditions.	Arch. Environ. Contam. Toxicol., Volume 54, Issue 4, Page 662-673, Publication Year 2008	EPA	#1; Chapter 2, p 2-21 (Figure 2-7), p 2-22 (Figure 2-8)	
23	M-478929-01-1	Azevedo-Pereira, Henrique M. V. S.; Lemos, Marco F. L.; Soares, Amadeu M. V. M.	2011	Behaviour and Growth of Chironomus riparius Meigen (Diptera: Chironomidae) under Imidacloprid Pulse and Constant Exposure Scenarios.	Water, Air, Soil Pollut., Volume 219, Issue 1-4, Page 215-224, Publication Year 2011	EPA	#1; Appendix 2-5, p 4	ユスリカへの影響を調べているが、堆積物存在下で濃度低下が認められている。評価に用いるエンドポイントが得られていない。
24	M-478748-01-1	Berghahn, Ruediger; Mohr, Silvia; Huebner, Verena; Schmiediche, Ronny; Schmiedling, Ina; Svetich-Will, Erkki; Schmidt, Ralf.	2012	Effects of repeated insecticide pulses on macroinvertebrate drift in indoor stream mesocosms.	Aquat. Toxicol., Volume 122-123, Page 56-66, Publication Year 2012	EPA	#1; Appendix 2-2	ユスリカ、ヨコエビ等の群衆への影響が報告されているが、ECやLCは報告されていない。
25	M-561761-01-1	Cavallaro Michael C; Morrissey Christy A; Headley John V; Peru Kerry M; Liber Karsten	2016	Comparative chronic toxicity of imidacloprid, clothianidin , and thiamethoxam to Chironomus dilutus and estimation of toxic equivalency factors.	Environmental toxicology and chemistry / SETAC, (2016 Jun 22) . Electronic Publication Date: 22 Jun 2016	EPA	#1; Chapter 2, p 2-21 (Figure 2-7), 2-22 (Figure 2-8)	日本のリスク評価には用いられないユスリカへの長期毒性。堆積物を模擬する珪砂を使用。
26	M-805974-01-1	Maloney Erin M; Morrissey Christy A; Headley John V; Peru Kerry M; Liber Karsten	2017	CUMULATIVE TOXICITY OF NEONICOTINOID INSECTICIDE MIXTURES TO CHIRONOMUS DILUTUS UNDER ACUTE EXPOSURE SCENARIOS.	Environmental toxicology and chemistry, (2017 Jun 21) . Electronic Publication Date: 21 Jun 2017	EPA	#1; Appendix 2-5, p 4 #6; p 13	
27	M-636661-01-1	Raby Melanie; Zhao Xiaoming; Hao Chunyan; Poirier David G; Sibley Paul K	2018	CHRONIC TOXICITY OF 6 NEONICOTINOID INSECTICIDES TO CHIRONOMUS DILUTUS AND NEOCLOEON TRIANGULIFER.	Environmental toxicology and chemistry, (2018 Jul 28) . Electronic Publication Date: 28 Jul 2018	EPA	#1; Chapter 2, p 2-21 (Figure 2-7), p 2-22 (Figure 2-8) #6; p 28	
28	M-629603-01-1	Njattuvetty Chandran, Naveen; Fojtova, Dana; Blahova, Lucie; Rozmankova, Eliska; Blaha, Ludek	2018	Acute and (sub) chronic toxicity of the neonicotinoid imidacloprid on Chironomus riparius	Chemosphere (2018), 209, 568-577	EPA	#1; Chapter 2, p 2-10, 2-17, 2-20, 2-21 (Figure 2-7), 2-22 (Figure 2-8); Appendix 2-3, p 13	
29	M-629847-01-1	Raby, Melanie; Nowierski, Monica; Perlov, Dmitri; Zhao, Xiaoming; Hao, Chunyan; Poirier, David G.; Sibley, Paul K.	2018	Acute toxicity of 6 neonicotinoid insecticides to freshwater invertebrates	Environmental Toxicology and Chemistry (2018) Ahead of Print	EPA	#1; Appendix 2-5, p 3-5 #6; p 13	ユスリカ幼虫の毒性を調べているが、3齢幼虫を用いている。

30	M-758286-01-1	Williams, Nate; Sweetman, Jon	2019	Effects of neonicotinoids on the emergence and composition of chironomids in the Prairie Pothole Region	Environmental Science and Pollution Research (2019), 26(4), 3862-3868	EPA	#1; Appendix 2-2	
31	M-809309-01-1	Wei, Fenghua; Wang, Dali; Li, Huizhen; Xia, Pu; Ran, Yong; You, Jing	2020	Toxicogenomics provides insights to toxicity pathways of neonicotinoids to aquatic insect, Chironomus dilutus	Environmental Pollution (Oxford, United Kingdom) (2020), 260, 114011	EPA	#1; Appendix 2-5, p 3	
32	M-546627-01-1	Gagliardi, Bryant S.; Long, Sara M.; Pettigrove, Vincent J.; Hoffmann, Ary A.	2015	The Parthenogenetic Cosmopolitan Chironomid, Paratanytarsus grimmii, as a New Standard Test Species for Ecotoxicology: Culturing Methodology and Sensitivity to Aqueous Pollutants	Bulletin of Environmental Contamination and Toxicology (2015) Ahead of Print	EPA	#1; Appendix 2-2	
33	M-809306-01-1	Scherer, Christian; Wolf, Raoul; Voelker, Johannes; Stock, Friederike; Brennhold, Nicole; Reifferscheid, Georg; Wagner, Martin	2019	Toxicity of microplastics and natural particles in the freshwater dipteran Chironomus riparius: Same same but different?	Science of the Total Environment (2019) Ahead of Print	EPA	#1; Appendix 2-2	
34	M-478957-01-1	Lukancic, Simon; Zibrat, Uros; Mezek, Tadej; Jerebic, Andreja; Simcic, Tatjana; Brancelj, Anton.	2010	A new method for early assessment of effects of exposing two non-target crustacean species, Asellus aquaticus and Gammarus fossarum, to pesticides, a laboratory study.	Toxicol. Ind. Health, Volume 26, Issue 4, Page 217-228, Publication Year 2010	EPA	#1; Appendix 2-5, p 4-5	ヨコエビを用いた論文であるが、暴露時間が短い。
35	M-478745-01-1	Ashauer, Roman; Hintermeister, Anita; Potthoff, Eva; Escher, Beate I.	2011	Acute toxicity of organic chemicals to Gammarus pulex correlates with sensitivity of Daphnia magna across most modes of action.	Aquat. Toxicol., Volume 103, Issue 1-2, Page 38-45, Publication Year 2011	EPA	#1; Appendix 2-5, p 4	ヨコエビ(Gammarus pulex)を用いた毒性データが得られているが、試験種が推奨種ではない。
36	M-477694-01-1	Malev, Olga; Klobucar, Roberta Sauerborn; Fabbretti, Elsa; Trebse, Polonca	2012	Comparative toxicity of imidacloprid and its transformation product 6 - chloronicotinic acid to non-target aquatic organisms: Microalgae Desmodesmus subspicatus and amphipod Gammarus fossarum	Pesticide Biochemistry and Physiology (2012), 104(3), 178-186	EPA	#1; Chapter 2, p 2-26 (Figure 2-11)	ヨコエビ及び藻類の毒性試験を実施しているが、いずれも試験法がガイドラインと異なる(ヨコエビの試験の暴露時間は24時間、藻類試験はマイクロプレートを使用、等)。イミダクロプリド試験群では、用量相関が得られておらず、EC50値はいずれも超値で、日本の評価に用いられるエンドポイントは得られていない。
37	M-811613-01-1	Lebrun, Jeremie D.; De Jesus, Kelly; Rouillac, Lenaick; Ravelli, Marie; Guenne, Angeline; Tournebize, Julien	2019	Single and combined effects of insecticides on multi-level biomarkers in the non - target amphipod Gammarus fossarum exposed to environmentally realistic levels	Aquatic Toxicology (2019) Ahead of Print	EPA	#1; Appendix 2-2	
38	M-478751-01-1	Boettger, R.; Schaller, J.; Mohr, S.	2012	Closer to reality - the influence of toxicity test modifications on the sensitivity of Gammarus roeseli to the insecticide imidacloprid	Ecotoxicology and Environmental Safety (2012), 81, 49-54	EPA	#1; Appendix 2-5, p 4, 9	

39	M-478746-01-1	Hayasaka, D.; Korenaga, T.; Suzuki, K.; Saito, F.; Sanchez-Bayo, F.; Goka, K.	2012	Cumulative ecological impacts of two successive annual treatments of imidacloprid and fipronil on aquatic communities of paddy mesocosms.	Ecotoxicol. Environ. Saf., Volume 80, Page 355-362, Publication Year 2012	EPA EFSA	#1; Appendix 2-2 #4; p 36, 102, 392-393	水田での群集分析。定量的エンドポイントは報告されていない。
40	M-809251-01-1	Dijk, Tessa Cvan; Staalduinen, Marja Avan; Sluijs, P Vander	2013	Macro-Invertebrate Decline in Surface Water Polluted with Imidacloprid. e62374	PLoS ONE [PLoS ONE]. Vol. 8, no. 5, [np]. May 2013., 58 refs. E-ISSN: 1932-6203 DOI: 10.1371/journal.pone.0062374 Published by: Public Library of Science, 185 Berry Street San Francisco CA 94107 United States	EFSA	#4; p 31, 82, 273	
41	M-808495-01-1	Neury-Ormanni, Julie; Vedrenne, Jacky; Morin, Soizic	2020	Benthic diatom growth kinetics under combined pressures of microalgal competition, predation and chemical stressors	Science of the Total Environment (2020), 734, 139484	EPA	#1; Chapter 2, p 2-26 (Figure 2-11)	
42	M-758296-01-1	Sumon, Kizar Ahmed; Ritika, Afifat Khanam; Peeters, Edwin T. H. M.; Rashid, Harunur; Bosma, Roel H.; Rahman, Md. Shahidur; Fatema, Mst. Kaniz; Van Den Brink, Paul J.	2018	Effects of imidacloprid on the ecology of sub-tropical freshwater microcosms	Environmental Pollution (Oxford, United Kingdom) (2018), 236, 432-441	EPA	#1; Appendix 2-2	
43	M-479097-01-1	Sanchez-Bayo, Francisco; Goka, Kouichi.	2006	Ecological effects of the insecticide imidacloprid and a pollutant from antidandruff shampoo in experimental rice fields.	Environ. Toxicol. Chem., Volume 25, Issue 6, Page 1677-1687, Publication Year 2006	EFSA	#4; p 37, 77, 104, 412	人工水田を用いて生物相の変化を調べている。ユスリカに対する影響が確認されているが、試験法はガイドラインと異なる。
44	M-758285-01-1	Rico, Andreu; Arenas-Sanchez, Alba; Pasqualini, Julia; Garcia-Astillero, Ariadna; Cherta, Laura; Nozal, Leonor; Vighi, Marco	2018	Effects of imidacloprid and a neonicotinoid mixture on aquatic invertebrate communities under Mediterranean conditions	Aquatic Toxicology (2018), 204, 130-143	EPA	#1; Appendix 2-2	
45	M-547157-01-1	Sanchez-Bayo, Francisco; Goka, Kouchi	2012	Evaluation of suitable endpoints for assessing the impacts of toxicants at the community level	Ecotoxicology (2012), 21(3), 667-680	EFSA	#4; p 36, 102, 395	
46	M-546978-01-1	Nagai, Takashi; Yokoyama, Atsushi.	2012	Comparison of ecological risks of insecticides for nursery-box application using species sensitivity distribution.	J. Pestic. Sci. (Tokyo, Jpn.), Volume 37, Issue 3, Page 233-239, Publication Year 2012	EFSA	#4; p 22, 102	
47	M-508173-01-1	Di Prisco, Gennaro; Cavaliere, Valeria; Annoscia, Desiderato; Varricchio, Paola; Caprio, Emilio; Nazzi, Francesco; Gargiulo, Giuseppe; Pennacchio, Francesco	2013	Neonicotinoid clothianidin adversely affects insect immunity and promotes replication of a viral pathogen in honey bees	Proceedings of the National Academy of Sciences of the United States of America (2013), 110(46), 18466-18471,S18466/1-S18466/7	EPA EFSA	#1; Chapter 2, p 2-44 (Figure 2-23) #3; Appendix C, p 78-79 #4; p 81, 470-472	接触LD50の結果のみ評価可能と思われるが、試験実施の環境は34℃と高く、GLと合致せず、また、日齢数も不明である。

48	M-808506-01-1	Chen, Xue Dong; Gill, Torrence A.; Pelz-Stelinski, Kirsten S.; Stelinski, Lukasz L.	2017	Risk assessment of various insecticides used for management of Asian citrus psyllid, Diaphorina citri in Florida citrus, against honey bee , Apis mellifera	Ecotoxicology (2017) Ahead of Print	EPA	#1; Appendix 2-6, p 3	接触試験の結果は変動が大きく(95%信頼限界の上限/下限比はジメトエートで795000, イミダクロプリドで111)、またジメトエートのLD50値は0.10ng/μL (5μL/bee投与)とOECD 214で定める妥当性範囲から大きく外れている。
49	M-808482-01-1	Delkash-Roudsari, Sahar; Chicas-Mosier, Ana M.; Goldansaz, Seyed Hossein; Talebi-Jahromi, Khalil; Ashouri, Ahmad; Abramson, Charles I.	2020	Assessment of lethal and sublethal effects of imidacloprid , ethion, and glyphosate on aversive conditioning, motility, and lifespan in honey bees (Apis mellifera L.)	Ecotoxicology and Environmental Safety (2020), 204, 111108	EPA	#1; Appendix 2-2	
50	M-544788-01-1	Rinkevich, Frank D.; Margotta, Joseph W.; Pittman, Jean M.; Danka, Robert G.; Tarver, Matthew R.; Ottea, James A.; Healy, Kristen B.	2015	Genetics, synergists, and age affect insecticide sensitivity of the honey bee, Apis mellifera	PLoS One (2015), 10(10), e0139841/1-e0139841/12	EFSA	#3; Appendix C, p 264-265	イミダクロプリドのミツバチに対する経口毒性を、3系統のミツバチを用いて調べている。系統間の相対的な感受性差を調べることが主目的であり、イミダクロプリドの絶対的な毒性値は得られていない。
51	M-809287-01-1	Li, Zhiguo; Li, Meng; He, Jingfang; Zhao, Xiaomeng; Chaimanee, Veeranan; Huang, Wei-Fone; Nie, Hongyi; Zhao, Yazhou; Su, Songkun	2017	Differential physiological effects of neonicotinoid insecticides on honey bees : A comparison between Apis mellifera and Apis cerana	Pesticide Biochemistry and Physiology (2017) Ahead of Print	EPA	#1; Chapter 2, p 2-45 (Figure 2-24)	30%スクロースで2μL/beeで投与しており、ガイドライン法よりも被験物質濃度が高濃度で投与されている。試験温度が30℃であり、観察期間は24時間となっている。
52	M-805384-01-1	Jacob, Cynthia R. O.; Malaquias, Jose B.; Zanardi, Odimar Z.; Silva, Carina A. S.; Jacob, Jessica F. O.; Yamamoto, Pedro T.	2019	Oral acute toxicity and impact of neonicotinoids on Apis mellifera L. and Scaptotrigona postica Latreille (Hymenoptera: Apidae)	Ecotoxicology (2019) Ahead of Print	EPA	#1; Chapter 2, p 2-40 (Figure 2-20)	
53	M-803662-01-1	Santos, Ane C. C.; Cristaldo, Paulo F.; Araujo, Ana P. A.; Melo, Carlisson R.; Lima, Ana P. S.; Santana, Emile D. R.; De Oliveira, Bruna M. S.; Oliveira, Jose W. S.; Vieira, Jodnes S.; Blank, Arie F.; Bacci, Leandro	2018	Apis mellifera (Insecta: Hymenoptera) in the target of neonicotinoids: A one-way ticket? Bioinsecticides can be an alternative	Ecotoxicology and Environmental Safety (2018), 163, 28-36	EPA	#1; Chapter 2, p 2-44 (Figure 2-23), p 2-45 (Figure 2-24)	ミツバチの急性影響を調べているが、観察時間が24時間。
54	M-807732-01-1	Yue Meng; Luo Shudong; Liu Jialin; Wu Jie	2017	Apis cerana Is Less Sensitive to Most Neonicotinoids, Despite of Their Smaller Body Mass.	Journal of economic entomology, (2017 Dec 19) . Electronic Publication Date: 19 Dec 2017	EPA	#1; Appendix 2-6, p 2	セイヨウミツバチも含めて試験されている。匹数は20頭と少なく、ショ糖溶液濃度も不明。
55	M-809288-01-1	Catae Aline Fernanda; Roat Thaisa Cristina; Pratavieira Marcel; Silva Menegasso Anally Ribeiro Da; Palma Mario Sergio; Malaspina Osmar	2017	Exposure to a sublethal concentration of imidacloprid and the side effects on target and nontarget organs of Apis mellifera (Hymenoptera, Apidae).	Ecotoxicology (London, England), (2017 Nov 10) . Electronic Publication Date: 10 Nov 2017	EPA	#1; Chapter 2, p 2-40 (Figure 2-20)	混餌投与であるが、摂餌期間の記載がなく、また摂餌量を測定したかも記載されておらず、有効成分の1頭あたり摂取量(g/bee)が不明である。

56	M-508905-01-1	Husain, D.; Qasim, M.; Saleem, M.; Akhter, M.; Khan, K. A.	2014	Bioassay of insecticides against three honey bee species in laboratory conditions.	Cercetari Agronomice in Moldova (2014) , Volume 47, Number 2, pp. 69-79, 26 refs. ISSN: 0379-5837 Published by: Universitatea de Stiinte Agricole Si Medicina Veterinara /Ion Ionescu de la Brad/, Iasi	EPA EFSA	#2; Appendix A, p 3 #3; Appendix C, p 147-148	#2でinvalidとされている。
57	M-811682-01-1	Raymann, Kasie; Motta, Erick V.S.; Moran, Nancy A.; Girard, Catherine; Riddington, Ian M.; Dinser, Jordan A.	2018	Imidacloprid decreases honey bee survival rates but does not affect the gut microbiome	Applied and Environmental Microbiology (1 Jul 2018) Volume 84, Number 13, arn: e00545-18, 51 refs. CODEN: AEMIDF ISSN: 0099-2240 E-ISSN: 1098-5336 DOI: 10.1128/AEM.00545-18 Published by: American Society for Microbiology,	EPA	#1; Appendix 2-2	
58	M-507924-01-1	Williamson, Sally M.; Baker, Daniel D.; Wright, Geraldine A.	2013	Acute exposure to a sublethal dose of imidacloprid and coumaphos enhances olfactory learning and memory in the honeybee Apis mellifera.	Invertebr. Neurosci., Volume 13, Issue 1, Page 63-70, Publication Year 2013	EFSA	#3; Appendix C, p 348 #4; p 82, 486	
59	M-510731-01-1	Stanley, Johnson; Sah, Khushboo; Jain, S. K.; Bhatt, J. C.; Sushil, S. N.	2015	Evaluation of pesticide toxicity at their field recommended doses to honeybees , Apis cerana and A. mellifera through laboratory, semi-field and field studies	Chemosphere (2015), 119, 668-674	EPA EFSA	#2; Appendix A, p 9 #3; Appendix C, p 309-312	#2でinvalidとされている。
60	http://sciencesearch.defra.gov.uk/Document.aspx?Document=PS2322_6129_FRP.doc	Department for Environment Food and Rural Affairs	2007	Assessment of the Risk Posed to Honeybees by Systemic Pesticides	Science and Research Projects, PS2322, 2022	EPA	#1; Appendix 2-2	
61	M-508177-01-1	Alaux, C.; Brunet, J. L.; Dussaubat, C.; Mondet, F.; Tchamitchan, S.; Cousin, M.; Brillard, J.; Baldy, A.; Belzunces, L. P.; Conte, Y. Le; Le Conte, Y.	2010	Interactions between Nosema microspores and a neonicotinoid weaken honeybees (Apis mellifera).	Environmental Microbiology (2010), Volume 12, Number 3, pp. 774-782 ISSN: 1462-2912 DOI: 10.1111/j.1462-2920.2009.02123.x Published by: Blackwell Publishing Ltd, Oxford	EPA EFSA	#1; Chapter 2, p 2-45 (Figure 2-24) #2; p 145 #3; Appendix C, p 12 #4; p 89, 531	
62	M-507514-01-1	Cresswell, James E. [Reprint Author]; Page, Christopher J.; Uygun, Mehmet B.; Holmbergh, Marie; Li, Yueru; Wheeler, Jonathan G.; Laycock, Ian; Pook, Christopher J.; De Ibarra, Natalie Hempel; Smirnoff, Nick; Tyler, Charles R.	2012	Differential sensitivity of honey bees and bumble bees to a dietary insecticide (imidacloprid).	Zoology (Jena), (DEC 2012) Vol. 115, No. 6, pp. 365-371. ISSN: 0944-2006.	EPA EFSA	#2; p 317; Appendix E, p 56-57 #3; Appendix C, p 64-65 #4; p 83, 495	

63	M-508146-01-1	Cresswell, James E.; Robert, Francois-Xavier L.; Florance, Hannah; Smirnoff, Nicholas.	2013	Clearance of ingested neonicotinoid pesticide (imidacloprid) in honey bees (Apis mellifera) and bumblebees (Bombus terrestris).	Pest Manage. Sci., Page Ahead of Print	EPA EFSA	#2; p 146 #3; Appendix C, p 65 #4; p 31, 80, 251-252, 466-467	
64	M-508179-01-1	Yang, En-Cheng; Chang, Hui-Chun; Wu, Wen-Yen; Chen, Yu-Wen.	2012	Impaired olfactory associative behavior of honeybee workers due to contamination of imidacloprid in the larval stage.	PLoS One, Volume 7, Issue 11, Page e49472, Publication Year 2012	EFSA	#3; Appendix C, p 356 #4; p 84, 498-500	
65	M-808494-01-1	Dai Pingli; Jack Cameron J; Mortensen Ashley N; Ellis James D	2017	Acute toxicity of five pesticides to Apis mellifera larvae reared in vitro.	Pest management science, (2017 May 09) . Electronic Publication Date: 9 May 2017	EPA	#1; Chapter 2, p 2-40 (Figure 2-20)	
66	M-510714-01-1	Derecka, Kamila; Blythe, Martin J.; Malla, Sunir; Genereux, Diane P.; Guffanti, Alessandro; Pavan, Paolo; Moles, Anna; Snart, Charles; Ryder, Thomas; Ortori, Catharine A.; Barrett, David A.; Schuster, Eugene; Stoger, Reinhard.	2013	Transient exposure to low levels of insecticide affects metabolic networks of honeybee larvae.	PLoS One, Volume 8, Issue 7, Page e68191, Publication Year 2013	EFSA	#4; p 82, 484	
67	M-357488-01-1	Ramirez-Romero, R.; Desneux, N.; Decourtye, A.; Chaffiol, A.; Pham-Delegue, M. H.	2008	Does Cry1Ab protein affect learning performances of the honey bee Apis mellifera L. (Hymenoptera, Apidae)?.	Ecotoxicol. Environ. Saf., Volume 70, Issue 2, Page 327-333, Publication Year 2008	EPA EFSA	#1; Chapter 2, p 2-45 (Figure 2-24) #3; Appendix C, p 247 #4; p 92, 552	対照物質として試験されたたが十分な死亡率が見られておらず、リスク評価には用いることができない。
68	M-510718-01-1	Han, Peng; Niu, Chang-Ying; Biondi, Antonio; Desneux, Nicolas.	2012	Does transgenic Cry1Ac + CpTI cotton pollen affect hypopharyngeal gland development and midgut proteolytic enzyme activity in the honey bee Apis mellifera L. (Hymenoptera, Apidae)?.	Ecotoxicology, Volume 21, Issue 8, Page 2214-2221, Publication Year 2012	EPA EFSA	#1; Chapter 2, p 2-45 (Figure 2-24) #4; p 84, 502-503	対照物質として試験されたたが十分な死亡率が見られておらず、リスク評価には用いることができない。
69	M-429657-01-1	Henry, Mickael; Beguin, Maxime; Requier, Fabrice; Rollin, Orianne; Odoux, Jean-Francois; Aupinel, Pierrick; Aptel, Jean; Tchamitchian, Sylvie; Decourtye, Axel	2012	A Common Pesticide Decreases Foraging Success and Survival in Honey Bees	Science (Washington, DC, United States) (2012), 336(6079), 348-350	EFSA	#3; Appendix C, p 138 #4; p 22, 85, , 221, 225, 512	
70	M-507914-01-1	Eiri, Daren M. (Reprint) Eiri, Daren M. (Reprint); Nieh, James C.	2012	A nicotinic acetylcholine receptor agonist affects honey bee sucrose responsiveness and decreases waggle dancing	JOURNAL OF EXPERIMENTAL BIOLOGY, (JUN 2012) Vol. 215, No. 12, pp. 2022-2029. ISSN: 0022-0949.	EPA EFSA	#2; p 162 #3; Appendix C, p 91-92 #4; p 85, 510-511	

71	M-510716-01-1	De Almeida Rossi, Caroline; Roat, Thaisa Cristina; Tavares, Daiana Antonia; Cintra-Socolowski, Priscila; Malaspina, Osmar.	2013	Brain Morphophysiology of Africanized Bee Apis mellifera Exposed to Sublethal Doses of Imidacloprid.	Arch. Environ. Contam. Toxicol., Volume 65, Issue 2, Page 234-243, Publication Year 2013	EPA EFSA	#1; Chapter 2, p 2-45 (Figure 2-24) #3; Appendix C, p 268-269 #4; p 82, 482-483	単回経口毒性試験はOECD試験法に沿っており、区分a相当と考える。
72	M-508902-01-1	Thompson, Helen M.; Fryday, Steven L.; Harkin, Sarah; Milner, Sarah	2014	Potential impacts of synergism in honeybees (Apis mellifera) of exposure to neonicotinoids and sprayed fungicides in crops	Apidologie (2014), 45(5), 545-553	EPA EFSA	#1; Appendix 2-6, p 3 #2; p 134, 141 #3; Appendix C, p 330-332	
73	M-544790-01-1	Mengoni Gonalons Carolina; Farina Walter Marcelo	2015	Effects of Sublethal Doses of Imidacloprid on Young Adult Honeybee Behaviour .	PloS one, (2015) Vol. 10, No. 10, pp. e0140814. Electronic Publication Date: 21 Oct 2015	EPA EFSA	#1; Chapter 2, 2-38 (Figure 2-18) #3; Appendix C, p 201	日本の評価に用いられるエンドポイントは得られていない。
74	M-544577-01-1	Zhang Erica; Nieh James C	2015	The neonicotinoid imidacloprid impairs honey bee aversive learning of simulated predation.	The Journal of experimental biology, (20151000) Vol. 218, No. Pt 20, pp. 3199-205. Electronic Publication Date: 7 Sep 2015	EPA EFSA	#1; Appendix 2-2 #3; Appendix E, p 77	
75	M-557388-01-1	Dai Ping-Li; Jia Hui-Ru; Geng Li-Li; Diao Qing-Yun	2016	Bt Toxin Cry1Ie Causes No Negative Effects on Survival , Pollen Consumption , or Olfactory Learning in Worker Honey Bees (Hymenoptera: Apidae).; Bt Toxin Cry1Ie Causes No Negative Effects on Survival, Pollen Consumption, or Olfactory Learning in Worker Ho	Journal of economic entomology, (2016 Apr 27) . Electronic Publication Date: 27 Apr 2016	EPA	#1; Appendix 2-2	日本の評価に用いられるエンドポイントは得られていない。
76	M-566554-01-1	Dussaubat, Claudia; Maisonnasse, Alban; Crauser, Didier; Tchamitchian, Sylvie; Bonnet, Marc; Cousin, Marianne; Kretzschmar, Andre; Brunet, Jean-Luc; Le Conte, Yves	2016	Combined neonicotinoid pesticide and parasite stress alter honeybee queens physiology and survival	Scientific Reports (2016), 6, 31430	EPA	#1; Appendix 2-2	女王バチの酵素系への影響であり、日本の評価に用いられるエンドポイントは得られていない。
77	M-808417-01-1	Sanchez-Bayo, Francisco; Belzunces, Luc; Bonmatin, Jean-Marc	2017	Lethal and sublethal effects, and incomplete clearance of ingested imidacloprid in honey bees (Apis mellifera)	Ecotoxicology (2017), 26(9), 1199-1206	EPA	#1; Appendix 2-2	
78	M-808493-01-1	Wong, Michael J.; Liao, Ling-Hsiu; Berenbaum, May R.	2018	Biphasic concentration-dependent interaction between imidacloprid and dietary phytochemicals in honey bees (Apis mellifera).	PLoS ONE, (November 2018) Vol. 13, No. 11. arn. e0206625. Refs: 82 E-ISSN: 1932-6203 CODEN: POLNCL	EPA	#1; Appendix 2-6, p 2	ミツバチに混餌投与しているが、摂餌量を測定していないため、LC50しか得られていない。
79	M-808548-01-1	Gregorc Ales; Alburaki Mohamed; Rinderer Nicholas; Sampson Blair; Knight Patricia R; Karim Shahid; Adamczyk John	2018	Effects of coumaphos and imidacloprid on honey bee (Hymenoptera: Apidae) lifespan and antioxidant gene regulations in laboratory experiments.	Scientific reports, (2018 Oct 09) Vol. 8, No. 1, pp. 15003. Electronic Publication Date: 9 Oct 2018	EPA	#1; Chapter 2, p 2-45 (Figure 2-24)	

80	M-618199-01-1	Manjon, Cristina; Troczka, Bartlomiej J.; Zaworra, Marion; Beadle, Katherine; Randall, Emma; Hertlein, Gillian; Singh, Kumar Saurabh; Zimmer, Christoph T.; Homem, Rafael A.; Lueke, Bettina; Reid, Rebecca; Kor, Laura; Kohler, Maxie; Benting, Juergen; Willi	2018	Unravelling the Molecular Determinants of Bee Sensitivity to Neonicotinoid Insecticides	Current Biology (2018), 28(7), 1137-1143.e5	EPA	#1; Appendix 2-6, p 3	評価に用いられるエンドポイントは報告されていないが、メカニズムとしての参考データ。
81	M-654275-01-1	Hesselbach Hannah; Scheiner Ricarda	2019	The novel pesticide flupyradifurone (Sivanto) affects honeybee motor abilities.	Ecotoxicology (London, England), (2019 Mar 02) . Electronic Publication Date: 2 Mar 2019	EPA	#1; Chapter 2, p 2-45 (Figure 2-24)	
82	M-808418-01-1	Li, Zhiguo; Yu, Tiantian; Chen, Yanping; Heerman, Matthew; He, Jingfang; Huang, Jingnan; Nie, Hongyi; Su, Songkun	2019	Brain transcriptome of honey bees (Apis mellifera) exhibiting impaired olfactory learning induced by a sublethal dose of imidacloprid	Pesticide Biochemistry and Physiology (2019) Ahead of Print	EPA	#1; Appendix 2-2	
83	M-508899-01-1	Williamson, Sally M.; Willis, Sarah J.; Wright, Geraldine A.	2014	Exposure to neonicotinoids influences the motor function of adult worker honeybees	Ecotoxicology (2014) Ahead of Print	EFSA	#3; Appendix C, p 348-350	日本の評価に用いられるエンドポイントは得られていない。
84	M-490569-01-1	Belien, T. (Correspondence); Kellers, J.; Heylen, K.; Keulemans, W.; Billen, J.; Arckens, L.; Huybrechts, R.; Gobin, B.	2009	Effects of sublethal doses of crop protection agents on honey bee (Apis mellifera) global colony vitality and its potential link with aberrant foraging activity..	Communications in agricultural and applied biological sciences, (2009) Vol. 74, No. 1, pp. 245-253. ISSN: 1379-1176	EPA EFSA	#2; Appendix A, p 2 #3; Appendix C, p 30 #4; p 91, 547-548	#2でinvalidとされている。
85	M-508890-01-1	Lu, Chensheng [Reprint Author]; Warchol, Kenneth M.; Callahan, Richard A.	2014	Sub-lethal exposure to neonicotinoids impaired honey bees winterization before proceeding to colony collapse disorder.	Bulletin of Insectology, (JUN 2014) Vol. 67, No. 1, pp. 125-130. ISSN: 1721-8861.	EFSA	#3; Appendix C, p 55	スクロース溶液を13週にわたり投与し、蜂群への影響を調査。対照群との比較により投与の影響が認められているが、処理群は1濃度のみのため、無影響濃度が得られていない。測定しているエンドポイントはハチを有する巣板数、コロニー死亡であり、限定的。
86	M-552406-01-1	Abbo, Pendo M.; Kawasaki, Joshua K.; Hamilton, Michele; Cook, Steven C.; Degrandi-Hoffman, Gloria; Li, Wen Feng; Liu, Jie; Chen, Yan Ping	2017	Effects of Imidacloprid and Varroa destructor on survival and health of European honey bees, Apis mellifera	Insect Science (2017), 24(3), 467-477	EPA	#1; Appendix 2-2	
87	M-809300-01-1	Colin, Theotime; Meikle, William G.; Paten, Amy M.; Barron, Andrew B.	2019	Long-term dynamics of honey bee colonies following exposure to chemical stress	Science of the Total Environment (2019), 677, 660-670	EPA	#1; Appendix 2-2	
88	M-808773-01-1	Nguyen B K; Saegerman C; Pirard C; Mignon J; Widart J; Thirionet B; Verheggen F J; Berkvens D; De Pauw E; Haubruge E	2009	Does imidacloprid seed-treated maize have an impact on honey bee mortality?.	Journal of economic entomology, (2009 Apr) Vol. 102, No. 2, pp. 616-23.	EFSA	#4; p 22, 33, 91, 340, 546	

89	M-508168-01-1	Dupuis, Julien Pierre; Gauthier, Monique; Raymond-Delpech, Valerie.	2011	Expression patterns of nicotinic subunits 2, 7, 8, and 1 affect the kinetics and pharmacology of ACh-induced currents in adult bee olfactory neuropiles.	J. Neurophysiol., Volume 106, Issue 4, Page 1604-1613, Publication Year 2011	EFSA	#4; p 87, 520	
90	M-508275-01-1	Pohorecka, Krystyna; Skubida, Piotr; Semkiw, Piotr; Miszczak, Artur; Teper, Dariusz; Sikorski, Piotr; Zagibajlo, Katarzyna; Skubida, Marta; Zdanska, Dagmara; Bober, Andrzej	2013	Effects of exposure of honey bee colonies to neonicotinoid seed-treated maize crops	Journal of Apicultural Science (2013), 57(2), 199-208	EPA EFSA	#1; Appendix 2-2 #2; p 193 #3; Appendix C, p 238 #4; p 32, 83, 276, 493-494	
91	M-510454-01-1	Tan, Ken; Chen, Weiwen; Dong, Shihao; Liu, Xiwen; Wang, Yuchong; Nieh, James C.	2014	Imidacloprid alters foraging and decreases bee avoidance of predators	PLoS One (2014), 9(7), e102725/1-e102725/8, 8 pp.	EPA EFSA	#1; Appendix 2-2 #2; p 160 #3; Appendix C, p 324-325	
92	M-553953-01-1	Dively Galen P; Embrey Michael S; Kamel Alaa; Hawthorne David J; Pettis Jeffery S	2015	Correction: Assessment of Chronic Sublethal Effects of Imidacloprid on Honey Bee Colony Health.	PloS one, (2015) Vol. 10, No. 4, pp. e0126043. Electronic Publication Date: 24 Apr 2015	EPA EFSA	#2; p 165, 168-171 #3; Appendix C, p 85	
93	M-566553-01-1	Wu-Smart, Judy; Spivak, Marla	2016	Sub - lethal effects of dietary neonicotinoid insecticide exposure on honey bee queen fecundity and colony development	Scientific Reports (2016), 6, 32108	EPA	#1; Appendix 2-2 #2; p 167, 169-170	
94	M-585154-01-1	Meikle, William G.; Adamczyk, John J.; Weiss, Milagra; Gregorc, Ales; Johnson, Don R.; Stewart, Scott D.; Zawislak, Jon; Carroll, Mark J.; Lorenz, Gus M.	2016	Sublethal effects of imidacloprid on honey bee colony growth and activity at three sites in the U.S..	PLoS ONE, (December 2016) Vol. 11, No. 12. arn. e0168603. Refs: 35 E-ISSN: 1932-6203 CODEN: POLNCL	EPA	#1; Appendix 2-2 #2; p 166, 169	
95	M-809257-01-1	Colin, Theotime; Plath, Jenny A.; Klein, Simon; Vine, Peta; Devaud, Jean-Marc; Lihoreau, Mathieu; Meikle, William G.; Barron, Andrew B.	2020	The miticide thymol in combination with trace levels of the neonicotinoid imidacloprid reduces visual learning performance in honey bees (Apis mellifera)	Apidologie (2020) Ahead of Print	EPA	#1; Appendix 2-2	
96	M-490571-01-1	Karnatak, A. K.; Thorat, Pradip V.	2006	Effect of insecticidal micro-environment on the honey bee, Apis mellifera in Brassica napus.	Journal of Applied Bioscience, (JUN 2006) Vol. 32, No. 1, pp. 93-94.	EFSA	#4; p 93, 560	
97	M-508176-01-1	Barbara, Guillaume Stephane; Gruenewald, Bernd; Paute, Sandrine; Gauthier, Monique; Raymond-Delpech, Valerie.	2008	Study of nicotinic acetylcholine receptors on cultured antennal lobe neurons from adult honeybee brains.	Invertebr. Neurosci., Volume 8, Issue 1, Page 19-29, Publication Year 2008	EFSA	#3; Appendix C, p 26 #4; p 92, 557	
98	M-337550-01-1	Yang, E. C.; Chuang, Y. C.; Chen, Y. L.; Chang, L. H.	2008	Abnormal foraging behavior induced by sublethal dosage of imidacloprid in the honey bee (Hymenoptera: Apidae)	Journal of Economic Entomology (2008), 101(6), 1743-1748	EFSA	#3; Appendix C, p 357 #4; p 22, 92, 221, 225, 550	

99	M-508123-01-1	Smodis Skerl, Maja Ivana; Gregorc, Ales.	2009	Heat shock proteins and cell death in situ localization in hypopharyngeal glands of honeybee (Apis mellifera carnica) workers after imidacloprid or coumaphos treatment.	Apidologie, Volume 41, Issue 1, Page 73-86, Publication Year 2009	EFSA	#3; Appendix C, p 303-304	
100	M-510890-01-1	Choudhary, A.; Sharma, D. C.; Badiyala, A.	2009	Relative safety of some pesticides against honey bees, Apis cerana cerana Fab. and Apis mellifera L. on mustard (Brassica juncea L. Czern).	Pestic. Res. J., Volume 21, Issue 1, Page 67-70, Publication Year 2009	EFSA	#3; Appendix C, p 57-58 #4; p 91, 543-546	
101	M-508280-01-1	Dussaubat, Claudia; Maisonnasse, Alban; Alaux, Cedric; Tchamitchan, Sylvie; Brunet, Jean-Luc; Plettner, Erika; Belzunces, Luc P.; Le Conte, Yves	2010	Nosema spp. Infection Alters Pheromone Production in Honey Bees (Apis mellifera)	Journal of Chemical Ecology (2010), 36(5), 522-525	EPA EFSA	#1; Appendix 2-2 #4; p 89, 531	日本の評価に用いられるエンドポイントは得られていない。
102	M-510715-01-1	Han, Peng; Niu, Chang-Ying; Lei, Chao-Liang; Cui, Jin-Jie; Desneux, Nicolas.	2010	Quantification of toxins in a Cry1Ac + CpTI cotton cultivar and its potential effects on the honey bee Apis mellifera L.	Ecotoxicology, Volume 19, Issue 8, Page 1452-1459, Publication Year 2010	EFSA	#4; p 88, 528	
103	M-510694-01-1	Niu, Chang-Ying (Reprint) Han, Peng; Niu, Chang-Ying (Reprint); Lei, Chao-Liang Cui, Jin-Jie Desneux, Nicolas	2010	Use of an innovative T-tube maze assay and the proboscis extension response assay to assess sublethal effects of GM products and pesticides on learning capacity of the honey bee Apis mellifera L.	ECOTOXICOLOGY, (NOV 2010) Vol. 19, No. 8, pp. 1612-1619. ISSN: 0963-9292.	EFSA	#4; p 88, 528-529	
104	M-510712-01-1	Girolami, V.; Marzaro, M.; Vivan, L.; Mazzon, L.; Greatti, M.; Giorio, C.; Marton, D.; Tapparo, A.	2011	Fatal powdering of bees in flight with particulates of neonicotinoids seed coating and humidity implication	Journal of Applied Entomology (Feb 2012) Volume 136, Number 1-2, pp. 17-26, 41 refs. CODEN: JOAEEB ISSN: 0931-2048 E-ISSN: 1439-0418 DOI: 10.1111/j.1439-0418.2011.01648.x Published by: Blackwell Publishing Ltd, 9600 Garsington Road, Oxford, OX4 2XG (GB)	EFSA	#3; Appendix C, p 110 #4; p 32, 86, 294, 514-515	
105	M-405515-01-1	Heylen, Kevin; Gobin, Bruno; Arckens, Lutgarde; Huybrechts, Roger; Billen, Johan.	2011	The effects of four crop protection products on the morphology and ultrastructure of the hypopharyngeal gland of the European honeybee, Apis mellifera.	Apidologie, Volume 42, Issue 1, Page 103-116, Publication Year 2011	EFSA	#3; Appendix C, p 140 #4; p 88, 528	
106	M-508166-01-1	Gregorc, Ales; Ellis, James D.	2011	Cell death localization in situ in laboratory reared honey bee (Apis mellifera L.) larvae treated with pesticides.	Pestic. Biochem. Physiol., Volume 99, Issue 2, Page 200-207, Publication Year 2011	EFSA	#4; p 87, 525	
107	M-508281-01-1	Anoop Kumar; Ram Singh; Kumar, A.; Singh, R.	2012	Effect of biopesticides and insecticides on aphid population, bee visits and yield of mustard.	Annals of Plant Protection Sciences (2012), Volume 20, Number 1, pp. 206-209, 4 refs. ISSN: 0971-3573 Published by: Society of Plant Protection Sciences, New Delhi	EFSA	#3; Appendix C, p 19 #4; p 86, 519	訪花への影響であり、評価に用いることが可能なエンドポイントは報告されていない。

108	M-508164-01-1	Johnson, Reed M.; Mao, Wenfu; Pollock, Henry S.; Niu, Guodong; Schuler, Mary A.; Berenbaum, May R.	2012	Ecologically appropriate xenobiotics induce cytochrome P450s in Apis mellifera.	PLoS One, Volume 7, Issue 2, Page e31051, Publication Year 2012	EFSA	#4; p 85, 513	
109	M-508374-01-1	Lu, Chensheng [Reprint Author]; Warchol, Kenneth M.; Callahan, Richard A.	2012	In situ replication of honey bee colony collapse disorder.	Bulletin of Insectology, (JUN 2012) Vol. 65, No. 1, pp. 99-106. ISSN: 1721-8861.	EFSA	#3; Appendix C, p 191	日本の評価に用いられるエンドポイントは得られていない。
110	M-508178-01-1	Pettis, Jeffery S.; Van Engelsdorp, Dennis; Johnson, Josephine; Dively, Galen	2012	Pesticide exposure in honey bees results in increased levels of the gut pathogen Nosema	Naturwissenschaften (2012), 99(2), 153-158	EFSA	#3; Appendix C, p 220 #4; p 86, 513	イミダクロプリドによるノゼマ感染性を調べており、評価に用いられるエンドポイントは得られていない。
111	M-510702-02-1	Gill, Richard J.; Ramos-Rodriguez, Oscar; Raine, Nigel E.	2012	Combined pesticide exposure severely affects individual- and colony-level traits in bees.	Nature (London, U. K.), Volume 491, Issue 7422, Page 105-108, Publication Year 2012	EPA EFSA	#2; p 174, 304 #3; Appendix C, p 109 #4; p 84, 500-502	
112	M-508171-01-1	Gregorc, Ales; Evans, Jay D.; Scharf, Mike; Ellis, James D.	2012	Gene expression in honey bee (Apis mellifera) larvae exposed to pesticides and Varroa mites (Varroa destructor).	J. Insect Physiol., Volume 58, Issue 8, Page 1042-1049, Publication Year 2012	EFSA	#4; p 84, 504	
113	M-508180-01-1	Teeters, Bethany S.; Johnson, Reed M.; Ellis, Marion D.; Siegfried, Blair D.	2012	Using video-tracking to assess sublethal effects of pesticides on honey bees (Apis mellifera L.)	Environmental Toxicology and Chemistry (2012), 31(6), 1349-1354	EFSA	#3; Appendix C, p 328 #4; p 85, 508-509	
114	M-429671-01-1	Schneider, Christof W.; Tautz, Juergen; Gruenewald, Bernd; Fuchs, Stefan.	2012	RFID tracking of sublethal effects of two neonicotinoid insecticides on the foraging behavior of Apis mellifera.	PLoS One, Volume 7, Issue 1, Page e30023, Publication Year 2012	EPA EFSA	#1; Appendix 2-2 #2; p 161 #3; Appendix C, p 287 #4; p 86, 515-518	
115	M-515827-01-1	Tapparo, Andrea; Marton, Daniele; Giorio, Chiara; Zanella, Alessandro; Solda, Lidia; Marzaro, Matteo; Vivan, Linda; Girolami, Vincenzo	2012	Assessment of the Environmental Exposure of Honeybees to Particulate Matter Containing Neonicotinoid Insecticides Coming from Corn Coated Seeds	Environmental Science and Technology (2012), 46(5), 2592-2599	EPA EFSA	#2; p 324 #3; Appendix C, p 325-326 #4; p 32, 87, 291-293	
116	M-510720-01-1	Palmer, Mary J.; Moffat, Christopher; Saranzewa, Nastja; Harvey, Jenni; Wright, Geraldine A.; Connolly, Christopher N.	2013	Cholinergic pesticides cause mushroom body neuronal inactivation in honeybees.	Nat. Commun., Volume 4, Issue March, Page ncomms2648, 8 pp., Publication Year 2013	EFSA	#3; Appendix C, p 213-214 #4; p 83, 491	
117	M-510719-01-1	Hatjina, Fani; Papaefthimiou, Chrisovalantis; Charistos, Leonidas; Dogaroglu, Taylan; Bouga, Maria; Emmanouil, Christina; Arnold, Gerard.	2013	Sublethal doses of imidacloprid decreased size of hypopharyngeal glands and respiratory rhythm of honeybees in vivo.	Apidologie, Volume 44, Issue 4, Page 467-480, Publication Year 2013	EFSA	#3; Appendix C, p 128 #4; p 82, 484-485	日本の評価に用いられるエンドポイントは得られていない。
118	M-508181-01-1	Rossi, Caroline De Almeida; Roat, Thaisa Cristina; Tavares, Daiana Antonia; Cintra-Socolowski, Priscila; Malaspina, Osmar.	2013	Effects of sublethal doses of acetamiprid and thiamethoxam on the behavior of the honeybee (Apis mellifera)	Microsc. Res. Tech., Volume 76, Issue 5, Page 552-558, Publication Year 2013	EFSA	#4; p 82, 490-491	

119	M-510713-01-1	Williamson, Sally M.; Wright, Geraldine A.	2013	Exposure to multiple cholinergic pesticides impairs olfactory learning and memory in honeybees.	J. Exp. Biol., Volume 216, Issue 10, Page 1799-1807, Publication Year 2013	EFSA	#3; Appendix C, p 350 #4; p 82, 489-490	日本の評価に用いられるエンドポイントは得られていない。
120	M-508183-01-1	Carrillo, Marcela Pedraza; Bovi, Thais De Souza; Negrao, Adriana Fava; Orsi, Ricardo De Oliveira [Reprint Author]	2013	Influence of agrochemicals fipronil and imidacloprid on the learning behavior of Apis mellifera L. honeybees .	Acta Scientiarum Animal Sciences, (OCT-DEC 2013) Vol. 35, No. 4, pp. 431-434. ISSN: 1807-8672. E-ISSN: 1807-8672.	EPA EFSA	#1; Chapter 2, p 2-45 (Figure 2-24) #2; Appendix A, p 2 #3; Appendix C, p 48-49 #4; p 81, 477-478	#2でinvalidとされている。投与後の観察時間が最長120分と短く、イミダクロプリドの毒性が評価できるとは考えられない。
121	M-512372-01-1	Nicodemo, Daniel; Maioli, Marcos A.; Medeiros, Hyllana C. D.; Guelfi, Marieli; Balieira, Kamila V. B.; De Jong, David; Mingatto, Fabio E.	2014	Fipronil and imidacloprid reduce honeybee mitochondrial activity	Environmental Toxicology and Chemistry (2014), 33(9), 2070-2075	EPA EFSA	#1; Appendix 2-2 #3; Appendix C, p 210	日本の評価に用いられるエンドポイントは得られていない。
122	M-514482-01-1	Sharma, Devinder; Abrol, D. P.	2014	Effect of insecticides on foraging behaviour and pollination role of Apis mellifera L. (Hymenoptera: Apidae) on toria (Brassica campestris var. toria) crop.	Egyptian Journal of Biology, (2014) Vol. 16, pp. 79-86. ISSN: 1110-6859. E-ISSN: 1110-6859.	EFSA	#3; Appendix C, p 298-299	
123	M-510734-01-1	Aufauvre, Julie; Misme-Aucouturier, Barbara; Vigues, Bernard; Texier, Catherine; Delbac, Frederic; Blot, Nicolas	2014	Transcriptome analyses of the honeybee response to Nosema ceranae and insecticides	PLoS One (2014), 9(3), e91686/1-e91686/12, 12 pp.	EFSA	#3; Appendix C, p 21 #4; p 79, 463	
124	M-485110-01-1	Fischer, Johannes; Mueller, Teresa; Spatz, Anne-Kathrin; Greggers, Uwe; Gruenewald, Bernd; Menzel, Randolf [Reprint Author]	2014	Neonicotinoids Interfere with Specific Components of Navigation in Honeybees.	PLoS One, (MAR 19 2014) Vol. 9, No. 3, pp. Article No.: e91364. ISSN: 1932-6203. E-ISSN: 1932-6203.	EFSA	#3; Appendix C, p 99 #4; p 79, 464	
125	M-545800-01-1	Blanken Lisa J; Van Langevelde Frank; Van Dooremalen Coby	2015	Interaction between Varroa destructor and imidacloprid reduces flight capacity of honeybees .	Proceedings. Biological sciences / The Royal Society, (2015 Dec 7) Vol. 282, No. 1820.	EPA EFSA	#1; Appendix 2-2 #3; Appendix C, p 35	日本の評価に用いることが可能なエンドポイントは報告されていない。ヘギイタダニ感染下での飛行への影響。
126	M-553331-01-1	Wu, Yan-Yan; Zhou, Ting [Reprint Author]; Wang, Qiang; Dai, Ping-Li; Xu, Shu-Fa; Jia, Hui-Ru; Wang, Xing	2015	Programmed Cell Death in the Honey Bee (Apis mellifera) (Hymenoptera: Apidae) Worker Brain Induced by Imidacloprid .	Journal of Economic Entomology, (AUG 2015) Vol. 108, No. 4, pp. 1486-1494.	EPA EFSA	#1; Appendix 2-2 #3; Appendix C, p 354	日本の評価に用いられるエンドポイントは得られていない。
127	M-552994-01-1	Koo, Jinmo; Son, Tae-Gwon; Kim, Soo-Yeon; Lee, Kyeong-Yeoll	2015	Differential responses of Apis mellifera heat shock protein genes to heat shock, flower-thinning formulations, and imidacloprid	Journal of Asia-Pacific Entomology (2015) Ahead of Print	EPA	#1; Appendix 2-2	熱ショックタンパクの誘導であり、評価に用いることが可能なエンドポイントは報告されていない。
128	M-544416-01-1	Karahan, Ahmed; Cakmak, Ibrahim; Hranitz, John M.; Karaca, Ismail; Wells, Harrington	2015	Sublethal imidacloprid effects on honey bee flower choices when foraging	Ecotoxicology (2015) Ahead of Print	EPA	#1; Appendix 2-2	訪花への影響であり、評価に用いることが可能なエンドポイントは報告されていない。

129	M-553330-01-1	Slowinska, Mariola; Nynca, Joanna; Wilde, Jerzy; Bak, Beata; Siuda, Maciej; Ciereszko, Andrzej	2015	Total antioxidant capacity of honeybee haemolymph in relation to age and exposure to pesticide, and comparison to antioxidant capacity of seminal plasma	Apidologie (2015) Ahead of Print	EPA	#1; Appendix 2-2	日本の評価に用いられるエンドポイントは得られていない。
130	M-530773-01-1	Kessler Sebastien C; Tiedeken Erin Jo; Simcock Kerry L; Derveau Sophie; Mitchell Jessica; Softley Samantha; Stout Jane C; Wright Geraldine A	2015	Bees prefer foods containing neonicotinoid pesticides.	Nature, (2015 Apr 22) . Electronic Publication Date: 22 Apr 2015	EFSA	#3; Appendix C, p 162-163	日本の評価に用いられるエンドポイントは得られていない。
131	M-553333-01-1	Chaimanee, Veeranan; Evans, Jay D.; Chen, Yanping; Jackson, Caitlin; Pettis, Jeffery S.	2016	Sperm viability and gene expression in honey bee queens (Apis mellifera) following exposure to the neonicotinoid insecticide imidacloprid and the organophosphate acaricide coumaphos	Journal of Insect Physiology (2016), 89, 1-8	EPA EFSA	#1; Appendix 2-2 #3; Appendix C, p 52	日本の評価に用いられるエンドポイントは得られていない。
132	M-547700-01-1	Peng Yi-Chan; Yang En-Cheng	2016	Sublethal Dosage of Imidacloprid Reduces the Microglomerular Density of Honey Bee Mushroom Bodies.	Scientific reports, (2016) Vol. 6, pp. 19298. Electronic Publication Date: 13 Jan 2016	EPA	#1; Appendix 2-2	日本の評価に用いられるエンドポイントは得られていない。
133	M-810767-01-1	Ciereszko, Andrzej; Wilde, Jerzy; Dietrich, Grzegorz J.; Siuda, Maciej; Bak, Beata; Judycka, Sylwia; Karol, Halina	2016	Sperm parameters of honeybee drones exposed to imidacloprid	Apidologie (2016) Ahead of Print	EPA	#1; Appendix 2-2	
134	M-811623-01-1	Wilde, Jerzy; Fraczek, Regina J.; Siuda, Maciej; Bak, Beata; Hatjina, Fani; Miszczak, Artur Wilde, Jerzy; Bak, Beata Fraczek, Regina J. Hatjina, Fani Miszczak, Artur	2016	The influence of sublethal doses of imidacloprid on protein content and proteolytic activity in honey bees (Apis mellifera L.)	JOURNAL OF APICULTURAL RESEARCH, (2016) Vol. 55, No. 2, pp. 212-220. ISSN: 0021-8839.	EPA	#1; Appendix 2-2	日本の評価に用いられるエンドポイントは得られていない。
135	M-553332-01-1	Christen, Verena; Mittner, Fabian; Fent, Karl	2016	Molecular Effects of Neonicotinoids in Honey Bees (Apis mellifera)	Environmental Science and Technology (2016) Ahead of Print	EFSA	#3; Appendix C, p 58	
136	M-560818-01-1	Wegener, Jakob; Ruhnke, Haike; Milchreit, Kathrin; Kleebaum, Katharina; Franke, Monique; Mispagel, Sebastian; Bischoff, Gabriela; Kamp, Guenter; Bienefeld, Kaspar	2016	Secondary biomarkers of insecticide-induced stress of honey bee colonies and their relevance for overwintering strength	Ecotoxicology and Environmental Safety (2016), 132, 379-389	EPA	#1; Appendix 2-2 #2; p 166, 169	
137	M-811683-01-1	De Smet Lina; Hatjina Fani; Ioannidis Pavlos; Hamamtzoglou Anna; Schoonvaere Karel; Francis Frederic; Meeus Ivan; Smagghe Guy; De Graaf Dirk C	2017	Stress indicator gene expression profiles, colony dynamics and tissue development of honey bees exposed to sub - lethal doses of imidacloprid in laboratory and field experiments.	PloS one, (2017) Vol. 12, No. 2, pp. e0171529. Electronic Publication Date: 9 Feb 2017	EPA	#1; Appendix 2-2	日本の評価に用いられるエンドポイントは得られていない。
138	M-811686-01-1	Wu Yan-Yan; Luo Qi-Hua; Hou Chun-Sheng; Wang Qiang; Dai Ping-Li; Gao Jing; Liu Yong-Jun; Diao Qing-Yun	2017	Sublethal effects of imidacloprid on targeting muscle and ribosomal protein related genes in the honey bee Apis mellifera L.	Scientific reports, (2017 Nov 21) Vol. 7, No. 1, pp. 15943. Electronic Publication Date: 21 Nov 2017	EPA	#1; Appendix 2-2	日本の評価に用いられるエンドポイントは得られていない。
139	M-811680-01-1	Alburaki, Mohamed; Steckel, Sandra J.; Chen, Deniz; Mcdermott, Erin; Weiss, Milagra; Skinner, John A.; Kelly, Heather; Lorenz, Gus; Tarpy, David R.; Meikle, William G.; Adamczyk, John; Stewart, Scott D.	2017	Landscape and pesticide effects on honey bees : forager survival and expression of acetylcholinesterase and brain oxidative genes	Apidologie (2017) Ahead of Print	EPA	#1; Appendix 2-2	日本の評価に用いられるエンドポイントは得られていない。

140	M-811685-01-1	Balieira, Kamila Vilas Boas; Mazzo, Meiriele; Bizerra, Paulo Francisco Veiga; Guimaraes, Anilda Rufino De Jesus Santos; Nicodemo, Daniel; Mingatto, Fabio Erminio	2018	Imidacloprid -induced oxidative stress in honey bees and the antioxidant action of caffeine	Apidologie (2018) Ahead of Print	EPA	#1; Appendix 2-2	
141	M-811679-01-1	Nicodemo, Daniel; De Jong, David; Reis, Leriana Garcia; Volpini De Almeida, Joyce Mayra; Dos Santos, Anderson Augusto; Manzani Lisboa, Lucas Aparecido Nicodemo, Daniel; Manzani Lisboa, Lucas Aparecido De Jong, David Volpini De Almeida, Joyce Mayra	2018	Transgenic corn decreased total and key storage and lipid transport protein levels in honey bee hemolymph while seed treatment with imidacloprid reduced lipophorin levels	JOURNAL OF APICULTURAL RESEARCH, (2018) Vol. 57, No. 2, pp. 321-328. ISSN: 0021-8839.	EPA	#1; Appendix 2-2	日本の評価に用いられるエンドポイントは得られていない。
142	M-811687-01-1	Tesovnik, T.; Zorc, M.; Gregorc, A.; Rinehart, T.; Adamczyk, J.; Narat, M.	2019	Immune gene expression in developing honey bees (Apis mellifera L.) simultaneously exposed to imidacloprid and Varroa destructor in laboratory conditions.	Journal of Apicultural Research (2019) , Volume 58, Number 5, pp. 730-739, 59 refs. ISSN: 0021-8839 DOI: 10.1080/00218839.2019.1634463 Published by: Taylor and Francis, Abingdon	EPA	#1; Appendix 2-2	
143	M-809299-01-1	Colin, Theotime; Meikle, William G.; Wu, Xiaobo; Barron, Andrew B.	2019	Traces of a Neonicotinoid Induce Precocious Foraging and Reduce Foraging Performance in Honey Bees	Environmental Science and Technology (2019), 53(14), 8252-8261	EPA	#1; Appendix 2-2	
144	M-809289-01-1	Alburaki Mohamed; Karim Shahid; Lamour Kurt; Adamczyk John; Stewart Scott D	2019	RNA-seq reveals disruption of gene regulation when honey bees are caged and deprived of hive conditions.	The Journal of experimental biology, (2019 Sep 18) Vol. 222, No. Pt 18. Electronic Publication Date: 18 Sep 2019	EPA	#1; Chapter 2, p 2-45 (Figure 2-24)	
145	M-804898-01-1	Zhang, Zu Yun; Li, Zhen; Huang, Qiang; Yan, Wei Yu; Zhang, Li Zhen; Zeng, Zhi Jiang	2020	Honeybees (Apis mellifera) modulate dance communication in response to pollution by imidacloprid	Journal of Asia-Pacific Entomology (1 Jun 2020) Volume 23, Number 2, pp. 477-482, 61 refs. ISSN 1226-8615 DOI: 10.1016/j.aspen.2020.03.011 Published by: Elsevier B.V.,	EPA	#1; Appendix 2-2	
146	M-809253-01-1	Tome, Hudson V. V.; Schmehl, Daniel R.; Wedde, Ashlyn E.; Godoy, Raquel S. M.; Ravaiano, Samira V.; Guedes, Raul N. C.; Martins, Gustavo F.; Ellis, James D.	2020	Frequently encountered pesticides can cause multiple disorders in developing worker honey bees	Environmental Pollution (Oxford, United Kingdom) (2020), 256, 113420	EPA	#1; Appendix 2-2	
147	M-811689-01-1	Paleolog, Jerzy; Wilde, Jerzy; Siuda, Maciej; Bak, Beata; Wojcik, Lukasz; Strachecka, Aneta	2020	Imidacloprid markedly affects hemolymph proteolysis, biomarkers, DNA global methylation, and the cuticle proteolytic layer in western honeybees	Apidologie (2020) Ahead of Print	EPA	#1; Appendix 2-2	日本の評価に用いられるエンドポイントは得られていない。
148	M-510690-01-1	Greatti, Moreno; Barbattini, Renzo; Stravisi, Antonella; Sabatini, Anna Gloria; Rossi, Simona [Reprint Author]	2006	Presence of the a.i. imidacloprid on vegetation near corn fields sown with Gaucho ((R)) dressed seeds.	Bulletin of Insectology, (DEC 2006) Vol. 59, No. 2, pp. 99-103. ISSN: 1721-8861.	EPA EFSA	#2; p 319 #4; p 34, 93, 350	
149	M-491821-01-1	Choudhary, Amit; Sharma, D. C.	2008	Dynamics of pesticide residues in nectar and pollen of mustard (Brassica juncea (L.) Czern.) grown in Himachal Pradesh (India).	Environ. Monit. Assess., Volume 144, Issue 1-3, Page 143-150, Publication Year 2008	EPA EFSA	#2; Appendix A, p 3 #4; p 33, 92, 345-346	#2でinvalidとされている。

150	M-356979-01-1	Girolami, V.; Mazzon, L.; Squartini, A.; Mori, N.; Marzaro, M.; Di Bernardo, A.; Greatti, M.; Giorio, C.; Tapparo, A.	2009	Translocation of neonicotinoid insecticides from coated seeds to seedling guttation drops: a novel way of intoxication for bees.	J. Econ. Entomol., Volume 102, Issue 5, Page 1808-1815, Publication Year 2009	EPA EFSA	#2; p 319 #3; Appendix C, p 110-113 #4; p 22, 33, 90, 228, 337-338, 540	
151	M-515687-01-1	Donnarumma, Lucia; Pulcini, Patrizio; Pochi, Daniele; Rosati, Silvia; Lusco, Lorenzo; Conte, Elisa.	2011	Preliminary study on persistence in soil and residues in maize of imidacloprid.	J. Environ. Sci. Health, Part B, Volume 46, Issue 6, Page 469-472, Publication Year 2011	EFSA	#3; Appendix C, p 86-87 #4; p 33, 88, 330	
152	M-512371-01-1	Stoner, Kimberly A.; Eitzer, Brian D.	2012	Movement of soil-applied imidacloprid and thiamethoxam into nectar and pollen of squash (Cucurbita pepo)	PLoS One (2012), 7(6), e39114	EPA EFSA	#2; p 102-103, 252; Appendix B, p 13 #4; p 32, 85, 281-290	
153	M-510813-01-1	Dively, Galen P.; Kamel, Alaa	2012	Insecticide Residues in Pollen and Nectar of a Cucurbit Crop and Their Potential Exposure to Pollinators	Journal of Agricultural and Food Chemistry (2012), 60(18), 4449-4456	EFSA	#4; p 32, 85, 290-291	土壌灌注処理後のカボチャの花粉・花蜜残留調査。適合性区分aと考える。
154	M-511257-01-1	Byrne, Frank J.; Visscher, P. Kirk; Leimkuehler, Bill; Fischer, Dave; Grafton-Cardwell, Elizabeth E.; Morse, Joseph G.	2014	Determination of exposure levels of honey bees foraging on flowers of mature citrus trees previously treated with imidacloprid	Pest Management Science (2014), 70(3), 470-482	EPA EFSA	#2; p 46, 96, 99, 262 #3; Appendix C, p 46 #4; p 31, 80, 248-251	
155	M-510798-01-1	Larson, Jonathan L.; Redmond, Carl T.; Potter, Daniel A.	2015	Mowing mitigates bioactivity of neonicotinoid insecticides in nectar of flowering lawn weeds and turfgrass guttation	Environmental Toxicology and Chemistry (2015), 34(1), 127-132	EPA	#1; Appendix 2-2 #2; p 119-120, 298-299 #3; Appendix C, p 179-180	
156	M-544417-01-1	Sanchez-Hernandez, Laura; Hernandez-Dominguez, Deamelys; Martin, Maria T.; Nozal, Maria J.; Higes, Mariano; Bernal Yague, Jose L.	2015	Residues of neonicotinoids and their metabolites in honey and pollen from sunflower and maize seed dressing crops	Journal of Chromatography A (2015) Ahead of Print	EPA	#2; p 323	
157	M-812937-01-1	Mach, Bernadette M.; Bondarenko, Svetlana; Potter, Daniel A.	2018	Uptake and dissipation of neonicotinoid residues in nectar and foliage of systemically treated woody landscape plants	Environmental Toxicology and Chemistry (2018), 37(3), 860-870	EPA	#2; p 119-120, 292, 297	
158	M-481179-01-1	Tapparo, Andrea; Giorio, Chiara; Marzaro, Matteo; Marton, Daniele; Solda, Lidia; Girolami, Vincenzo.	2011	Rapid analysis of neonicotinoid insecticides in guttation drops of corn seedlings obtained from coated seeds.	J. Environ. Monit., Volume 13, Issue 6, Page 1564-1568, Publication Year 2011	EFSA	#3; Appendix C, p 325 #4; p 32, 87, 323-324	
159	M-513183-01-1	Hoffmann, Eric J.; Castle, Steven J.	2012	Imidacloprid in melon guttation fluid: a potential mode of exposure for pest and beneficial organisms.	J. Econ. Entomol., Volume 105, Issue 1, Page 67-71, Publication Year 2012	EFSA	#3; Appendix C, p 141-142 #4; p 32, 85, 293	

160	M-466259-01-1	Reetz, Jana E.; Zuehlke, Sebastian; Spiteller, Michael; Wallner, Klaus.	2011	Neonicotinoid insecticides translocated in guttated droplets of seed-treated maize and wheat: a threat to honeybees?.	Apidologie, Volume 42, Issue 5, Page 596-606, Publication Year 2011	EFSA	#3; Appendix C, p 250 #4; p 32, 87, 321, 323	
161	M-807555-01-1	Reetz J E; Wallner K	2015	Uptake of Neonicotinoid Insecticides by Water-Foraging Honey Bees (Hymenoptera: Apidae) Through Guttation Fluid of Winter Oilseed Rape.	Journal of economic entomology, (2015 Oct 29) . Electronic Publication Date: 29 Oct 2015	EFSA	#3; Appendix C, p 250-251	
162	M-468128-01-1	Pohorecka, Krystyna [Reprint Author]; Skubida, Piotr; Miszczak, Artur; Semkiw, Piotr; Sikorski, Piotr; Zagibajlo, Katarzyna; Teper, Dariusz; Koltowski, Zbigniew; Skubida, Marta; Zdanska, Dagmara; Bober, Andrzej	2012	RESIDUES OF NEONICOTINOID INSECTICIDES IN BEE COLLECTED PLANT MATERIALS FROM OILSEED RAPE CROPS AND THEIR EFFECT ON BEE COLONIES.	Journal of Apicultural Science, (2012) Vol. 56, No. 2, pp. 115-134. ISSN: 1643-4439.	EFSA	#3; Appendix C, p 237-238 #4; p 32, 86, 317-319, 518	PMRA (2018)では以下のmajor uncertainitiesを指摘している。 Other toxic pesticides were also applied to the treatment fields. The different detection sensitivity of each measured chemicals (LOD and LOQ) is expected to impact the detection frequency of the chemicals. The control colonies had high levels of contamination of other pesticides including other neonicotinoids (thiacloprid and acetamiprid). In addition, thiamethoxam was found in samples collected from imidacloprid and clothianidin treatment fields. Imidacloprid was detected in samples that were designed for the thiamethoxam treatment.
163	M-560815-01-1	Long, Elizabeth Y.; Krupke, Christian H.	2016	Non-cultivated plants present a season-long route of pesticide exposure for honey bees.	Nature Communications, (31 May 2016) Vol. 7. arn. 11629. Refs: 61 E-ISSN: 2041-1723	EPA	#2; p 321	
164	M-809060-01-1	Biocca, Marcello; Fanigliulo, Roberto; Gallo, Pietro; Pulcini, Patrizio; Pochi, Daniele	2015	The assessment of dust drift from pneumatic drills using static tests and in-field validation.	Crop Protection, (MAY 2015) Vol. 71, pp. 109-115.	EFSA	#3; Appendix C, p 35	
165	M-812935-01-1	Pochi, Daniele; Biocca, Marcello; Fanigliulo, Roberto; Gallo, Pietro; Fedrizzi, Marco; Pulcini, Patrizio; Perrino, Cinzia; Marcovecchio, Francesca	2015	A device for pneumatic precision drills reducing the drift of the abrasion dust from dressed seed.	Crop Protection, (AUG 2015) Vol. 74, pp. 56-64.	EFSA	#3; Appendix C, p 235-236	
166	M-642989-01-1	Poquet, Yannick; Kairo, Guillaume; Tchamitchian, Sylvie; Brunet, Jean-Luc; Belzunces, Luc P.	2015	Wings as a new route of exposure to pesticides in the honey bee	Environmental Toxicology and Chemistry (2015), 34(9), 1983-1988	EFSA	#3; Appendix C, p 239-241	
167	M-455993-01-1	Chauzat, Marie-Pierre; Martel, Anne-Claire; Cougoule, Nicolas; Porta, Philippe; Lachaize, Julie; Zeggane, Sarah; Aubert, Michel; Carpentier, Patrice; Faucon, Jean-Paul	2010	An assessment of honeybee colony matrices, Apis mellifera (hymenoptera: apidae) to monitor pesticide presence in continental France	Environmental Toxicology and Chemistry (2010), Volume Date 2011, 30(1), 103-111	EFSA	#4; p 33, 88, 326	

168	M-468884-01-1	Degrandi-Hoffman, Gloria; Sammataro, Diana; Simonds, Roger	2012	Are agrochemicals present in high fructose corn syrup fed to honey bees (Apis mellifera L.)?	Journal of Apicultural Research (2012), 51(4), 371-372	EFSA	#4; p 32, 86, 320	
169	M-547564-01-1	Jones, Ainsley; Harrington, Paul; Turnbull, Gordon	2014	Neonicotinoid concentrations in arable soils after seed treatment applications in preceding years	Pest Management Science (2014), 70(12), 1780-1784	EFSA	#3; Appendix C, p 159-160 #4; p 38, 106, 425-427	
170	M-510787-01-1	Pochi, Daniele; Biocca, Marcello; Fanigliulo, Roberto; Pulcini, Patrizio; Conte, Elisa	2012	Potential Exposure of Bees, Apis mellifera L., to Particulate Matter and Pesticides Derived from Seed Dressing During Maize Sowing	Bulletin of Environmental Contamination and Toxicology (2012), 89(2), 354-361	EFSA	#4; p 32, 85, 279-280	
171	M-808966-01-1	Samson-Robert, Olivier (Correspondence); Labrie, Genevieve; Chagnon, Madeleine; Fournier, Valerie	2014	Neonicotinoid-contaminated puddles of water represent a risk of intoxication for honey bees.	PLoS ONE, (1 Dec 2014) Vol. 9, No. 12. arn. e108443. Refs: 83 E-ISSN: 1932-6203 CODEN: POLNCL	EFSA	#3; Appendix C, p 274	
172	M-486394-01-1	Biocca, Marcello; Conte, Elisa; Pulcini, Patrizio; Marinelli, Enzo; Pochi, Daniele.	2011	Sowing simulation tests of a pneumatic drill equipped with systems aimed at reducing the emission of abrasion dust from maize dressed seed.	J. Environ. Sci. Health, Part B, Volume 46, Issue 6, Page 438-448, Publication Year 2011	EFSA	#3; Appendix C, p 34-35 #4; p 33, 88, 327-329	
173	M-544592-01-1	Botias, Cristina; David, Arthur; Horwood, Julia; Abdul-Sada, Alaa; Nicholls, Elizabeth; Hill, Elizabeth; Goulson, Dave	2015	Neonicotinoid Residues in Wildflowers, a Potential Route of Chronic Exposure for Bees	Environmental Science and Technology (2015) Ahead of Print	EFSA	#3; Appendix C, p 42	
174	M-542190-01-1	Chi, Yanyan [Reprint Author]; Qiao, Kang; Jiang, Hui; Lin, Ronghua; Wang, Kaiyun	2015	Comparison of Two Acute Toxicity Test Methods for the Silkworm (Lepidoptera: Bombycidae).	Journal of Economic Entomology, (FEB 2015) Vol. 108, No. 1, pp. 145-149.	EPA	#1; Appendix 2-2	
175	M-811684-01-1	Liu, Yanmei; Zhang, Hui; He, Fengmei; Li, Xuesheng; Tan, Huihua; Zeng, Dongqiang	2018	Combined toxicity of chlorantraniliprole, lambda-cyhalothrin, and imidacloprid to the silkworm Bombyx mori (Lepidoptera: Bombycidae)	Environmental Science and Pollution Research (2018), 25(23), 22598-22605	EPA	#1; Appendix 2-2	

No. 60については、オープンアクセスのためそのURLを示した。

#1: EPA, draft Biological Evaluation, 2021

#2: EPA, Final Bee Risk Assessment to Support the Registration Review of Imidacloprid, 2020

#3: EFSA, Peer review of the pesticide risk assessment for bees for the active substance imidacloprid considering the uses as seed treatments and granules, 2018

#4: EFSA, Conclusion on the peer review of the pesticide risk assessment for bees for the active substance imidacloprid considering all uses other than seed treatments and granules, 2015

#6: EPA, Imidacloprid Proposed Interim Registration Review Decision Case Number 7605, 2020

別添 4-1-3

海外評価引用文献：環境動態 (別添 4-2-4 を除く)

No.	文献ファイル名	著者	出版年	論文表題	掲載誌名、号、ページ等	評価機関	評価書情報(発行年等)	備考
1	M-548264-01-1	Wu, Jialun; Wei, Houdao; Xue, Jian	2012	Degradation of Imidacloprid in Chrysanthemi Flos and Soil	Bulletin of Environmental Contamination and Toxicology (2012), 88(5), 776-780	EFSA	#4; p 36, 102, 394-395	
2	M-549231-01-1	Prakash, Samnani; Kamlesh, Vishwakarma	2013	Influence of abiotic factors on the degradation of imidacloprid in soil	Research Journal of Chemistry and Environment (2013), 17(6), 49-52	EFSA	#4; p 216	
3	M-548237-01-1	Thuyet, Dang Quoc; Watanabe, Hirozumi; Takagi, Kazuhiro; Yamazaki, Kenichi; Nhung, Dang Thi Tuyet.	2012	Behavior of nursery-box-applied imidacloprid in micro paddy lysimeter.	J. Pestic. Sci. (Tokyo, Jpn.), Volume 37, Issue 1, Page 20-27, Publication Year 2012	EFSA	#4; p 36, 102, 398	水稲箱処理後のイミダクロプリドの水田(ライシメーター)における挙動の参考となる。
4	M-548161-01-1	Thuyet, Dang, Quoc; Watanabe, Hirozumi; Motobayashi, Takashi	2011	Effect of formulations and treatment methods of nursery boxes applied with insecticide on the behavior of imidacloprid in rice paddy fields	Journal of Pesticide Science (Tokyo, Japan) (2011), 36(1), 9-15	EFSA	#4; p 36, 103, 402-405	水稲箱処理後の水田における消長を調査している。土壌は表層1cmの分析のため、土壌残留試験法と採取位置が異なる。
5	M-548251-01-1	Phong, Thai Khanh; Nhung, Dang Thi Tuyet; Motobayashi, Takashi; Thuyet, Dang Quoc; Watanabe, Hirozumi	2009	Fate and Transport of Nursery-Box-Applied Tricyclazole and Imidacloprid in Paddy Fields	Water, Air, and Soil Pollution (2009), 202(1-4), 3-12	EFSA	#4; p 37, 104, 410-411	
6	M-809061-01-1	Leiva, Jorge A.; Nkedi-Kizza, Peter; Morgan, Kelly T.; Qureshi, Jawwad A.	2015	Imidacloprid Sorption Kinetics, Equilibria, and Degradation in Sandy Soils of Florida	Journal of Agricultural and Food Chemistry (2015), 63(20), 4915-4921	EFSA	#3; Appendix C, p 188	
7	M-548233-01-1	Iwafune, Takashi; Inao, Keiya; Horio, Takeshi; Iwasaki, Nobusuke; Yokoyama, Atsushi; Nagai, Takashi	2010	Behavior of paddy pesticides and major metabolites in the Sakura River, Ibaraki Japan	Journal of Pesticide Science (Tokyo, Japan) (2010), 35(2), 114-123	EFSA	#4; p 36, 103, 408	農薬使用地域におけるモニタリングデータ。
8	M-548260-01-1	Yamamoto, Atsushi; Terao, Tomoko; Hisatomi, Hirotaka; Kawasaki, Hideya; Arakawa, Ryuichi.	2012	Evaluation of river pollution of neonicotinoids in Osaka City (Japan) by LC/MS with dopant-assisted photoionisation.	J. Environ. Monit., Volume 14, Issue 8, Page 2189-2194, Publication Year 2012	EFSA	#4; p 32, 84	

#3: EFSA, Peer review of the pesticide risk assessment for bees for the active substance imidacloprid considering the uses as seed treatments and granules, 2018

#4: EFSA, Conclusion on the peer review of the pesticide risk assessment for bees for the active substance imidacloprid considering all uses other than seed treatments and granules, 2015

別添 4-2-1

海外評価引用文献のうち適合性なしと判断した論文：ヒトに対する毒性

No.	著者	出版年	論文表題	掲載誌名、号、ページ等	評価機関	評価書情報(発行年等)	判断理由[a]
1	Ford, Kevin A.; Casida, John E.	2006	Chloropyridinyl neonicotinoid insecticides: Diverse molecular substituents contribute to facile metabolism in mice.	Chem. Res. Toxicol., Volume 19, Issue 7, Page 944-951, Publication Year 2006	EFSA	#5; p.17	⑯b
2	Dick, Ryan A.; Kanne, David B.; Casida, John E.	2007	Nitroso-Imidacloprid Irreversibly Inhibits Rabbit Aldehyde Oxidase.	Chem. Res. Toxicol., Volume 20, Issue 12, Page 1942-1946, Publication Year 2007	EFSA	#5; p.9	⑱
3	Abou-Donia, Mohamed B. [Reprint Author]; Goldstein, Larry B.; Bullman, Sarah; Tu, T.; Khan, Wasi A.; Dechkovskaia, Ankelika M.; Abdel-Rahman, Ali A.	2008	Imidacloprid induces neurobehavioral deficits and increases expression of glial fibrillary acidic protein in the motor cortex and hippocampus in offspring rats following in utero exposure .	Journal of Toxicology and Environmental Health Part A, (2008) Vol. 71, No. 1-2, pp. 119-130. ISSN: 1528-7394.	EFSA	#5; p.17	⑯ｃ（腹腔内投与）
4	Mohamed, Fahim; Gawarammana, Indika; Robertson, Thomas A.; Roberts, Michael S.; Palangasinghe, Chathura; Zawahir, Shukry; Jayamanne, Shaluka; Kandasamy, Jaganathan; Eddleston, Michael; Buckley, Nick A.; Dawson, Andrew H.; Roberts, Darren M.	2009	Acute human self-poisoning with imidacloprid compound: a neonicotinoid insecticide.	PLoS One, Volume 4, Issue 4, Page No pp. given, Publication Year 2009	EFSA	#5; p.7	⑳
5	Bal, Ramazan; Erdogan, Suat; Theophilidis, George; Baydas, Giyasettin; Naziroglu, Mustafa.	2010	Assessing the effects of the neonicotinoid insecticide imidacloprid in the cholinergic synapses of the stellate cells of the mouse cochlear nucleus using whole-cell patch-clamp recording.	NeuroToxicology, Volume 31, Issue 1, Page 113-120, Publication Year 2010	EFSA	#5; p.17	⑱
6	Li Ping; Ann Jason; Akk Gustav	2011	Activation and modulation of human .alpha.4.beta.2 nicotinic acetylcholine receptors by the neonicotinoids clothianidin and imidacloprid.	Journal of neuroscience research, (2011 Aug) Vol. 89, No. 8, pp. 1295-301. Electronic Publication: 2011-04-28.	EFSA	#5; p.17	⑱
7	Bal, Ramazan; Turk, Gaffari; Tuzcu, Mehmet; Yilmaz, Okkes; Kuloglu, Tuncay; Gundogdu, Ramazan; Gur, Seyfettin; Agca, Ali; Ulas, Mustafa; Cambay, Zafer; Tuzcu, Zeynep; Gencoglu, Hasan; Guvenc, Mehmet; Ozsahin, Ayse Dilek; Kocaman, Nevin; Aslan, Abdullah; E	2012	Assessment of imidacloprid toxicity on reproductive organ system of adult male rats.	J. Environ. Sci. Health, Part B, Volume 47, Issue 5, Page 434-444, Publication Year 2012	EPA	#1; Appendix 2-3, p 33	被験物質について供給源及び純度の記載なし。 各検査に用いた動物数が不明 病理組織学的検査所見の写真はあるが頻度及び程度の記載がない/陽性対象として雌（今回の試験には用いられていない）の肺の写真を載せている。 EPA＃１でinvalidと評価
8	Bal, Ramazan; Naziroglu, Mustafa; Tuerk, Gaffari; Yilmaz, Oekkes; Kuloglu, Tuncay; Etem, Ebru; Baydas, Giyasettin.	2012	Insecticide imidacloprid induces morphological and DNA damage through oxidative toxicity on the reproductive organs of developing male rats.	Cell Biochem. Funct., Volume 30, Issue 6, Page 492-499, Publication Year 2012	EPA	#1; Chapter 2, p 2-33 (Figure 2-15)	非GLP/準拠したガイドラインの記載なし 被験物質の純度及び供給源の情報が記載されていない。 ラット90日間反復経口毒性試験については投与開始時期は生後7日齢 病理組織学的検査所見はあるが、頻度などの記載なし。

9	Toor, Harmandeep Kaur; Sangha, Gurinder Kaur; Khera, Kuldeep Singh.	2013	Imidacloprid induced histological and biochemical alterations in liver of female albino rats.	Pestic. Biochem. Physiol., Volume 105, Issue 1, Page 1-4, Publication Year 2013	EPA	#1; Chapter 2, p 2-33 (Figure 2-15); Appendix 2-3, p 31	⑭
10	Yozzo, Krystle L.; Isales, Gregory M.; Raftery, Tara D.; Volz, David C.	2013	High-Content Screening Assay for Identification of Chemicals Impacting Cardiovascular Function in Zebrafish Embryos	Environmental Science and Technology (2013), 47(19), 11302-11310	EPA	#1; Appendix 2-2	⑤
11	Swenson, Tami L.; Casida, John E.	2013	Aldehyde oxidase importance in vivo in xenobiotic metabolism: Imidacloprid nitroreduction in mice	Toxicological Sciences (2013), 133(1), 22-28	EFSA	#5; p.17	⑯ｃ（腹腔内投与）
12	Arfat, Yasir (Correspondence); Mahmood, Nasir; Tahir, Muhammad Usman; Rashid, Maryam; Anjum, Sameer; Zhao, Fan; Li, Di-Jie; Sun, Yu-Long; Hu, Lifang; Zhihao, Chen; Yin, Chong; Shang, Peng; Qian, Ai-Rong	2014	Effect of imidacloprid on hepatotoxicity and nephrotoxicity in male albino mice .	Toxicology Reports, (August 20, 2014) Vol. 1, pp. 554-561. Refs: 34 ISSN: 2214-7500	EPA	#1; Chapter 2, p 2-33 (Figure 2-15)	⑭
13	Vohra, Prerna; Khera, Kuldeep Singh; Sangha, Gurinder Kaur	2014	Physiological, biochemical and histological alterations induced by administration of imidacloprid in female albino rats	Pesticide Biochemistry and Physiology (2014), 110, 50-56	EPA	#1; Chapter 2, p 2-9, 2-32, 2-33 (Figure 2-15); Appendix 2-3, p 35	⑭

a: 数字および記号は3(1)及び(2)に記載した判断理由を示す。

#1: EPA, draft Biological Evaluation, 2021

#5: EFSA, Scientific Opinion on the developmental neurotoxicity potential of acetamiprid and imidacloprid, 2014

別添 4-2-2

海外評価引用文献のうち適合性なしと判断した論文：農作物及び畜産物への残留

No.	著者	出版年	論文表題	掲載誌名、号、ページ等	評価機関	評価書情報(発行年等)	判断理由[a]
1	Arora, Parshotam Kumar; Jyot, Gagan; Singh, Baljeet; Battu, Raminderjit Singh; Singh, Balwinder; Aulakh, Pushpinder Singh.	2009	Persistence of Imidacloprid on Grape Leaves, Grape Berries and Soil.	Bull. Environ. Contam. Toxicol., Volume 82, Issue 2, Page 239-242, Publication Year 2009	EFSA	#4; p 37, 104, 408-410	⑰
2	Sabatino, Leonardo; Scordino, Monica; Panto, Valentina; Chiappara, Elena; Traulo, Pasqualino; Gagliano, Giacomo	2013	Survey of neonicotinoids and fipronil in corn seeds for agriculture	Food Additives and Contaminants, Part B: Surveillance (2013), 6(1), 11-16	EFSA	#4; p 31, 83, 274-275	⑤
3	Chahil, G S; Kousik Mandal; Sanjay Kumar Sahoo; R S Battu; Balwinder Singh	2014	Risk assessment of I2-cyfluthrin and imidacloprid in chickpea pods and leaves	Ecotoxicology and environmental safety (2014) , Volume 101, pp. 177-183 ISSN: 0147-6513 Published by: Elsevier Inc. Source Note: 2014 Mar., v. 101	EFSA	#4; p 38, 107, 436-437	⑰
4	Chen, Mei; Tao, Lin; Mclean, John; Lu, Chensheng	2014	Quantitative Analysis of Neonicotinoid Insecticide Residues in Foods: Implication for Dietary Exposures	Journal of Agricultural and Food Chemistry (2014), 62(26), 6082-6090	EFSA	#4; p 38, 105, 424-425	⑯d ⑰
5	Sharma, Smriti; Singh, Balwinder	2014	Persistence of imidacloprid and its major metabolites in sugarcane leaves and juice following its soil application	International Journal of Environmental Analytical Chemistry (2014), 94(4), 319-331	EPA	#1; Appendix 2-2	⑰
6	Zhu, Biao; Yang, Jing; He, Yong; Zang, Yunxiang; Zhu, Zhujun	2015	Glucosinolate Accumulation and Related Gene Expression in Pak Choi (Brassica rapa L. ssp. chinensis var. communis [N. Tsen and S.H. Lee] Hanelt) in Response to Insecticide Application	Journal of Agricultural and Food Chemistry (2015) Ahead of Print	EPA	#1; Appendix 2-2	④
7	Sun, Donglei; Fu, Jiantao; Lu, Yinglin; Chen, Lijun; Gong, Hengliang; Zhao, Huanhuan; Dai, Sixing; An, Yuxing; Xu, Hanhong	2017	Absorption, transportation and distribution of imidacloprid in maize	International Journal of Environmental Analytical Chemistry (2017), 97(8), 783-795	EPA	#1; Appendix 2-2	⑰
8	Li, Yong; Yang, Lixuan; Yan, Huangqian; Zhang, Meng; GE, Jing; Yu, Xiangyang	2018	Uptake, translocation and accumulation of imidacloprid in six leafy vegetables at three growth stages	Ecotoxicology and Environmental Safety (2018), 164, 690-695	EPA	#1; Appendix 2-2	⑬
9	Kolanczyk, Richard C.; Tapper, Mark A.; Sheedy, Barbara R.; Serrano, Jose A.	2019	In vitro metabolism of imidacloprid and acetamiprid in rainbow trout and rat	Xenobiotica (2019) Ahead of Print	EPA	#1; Appendix 2-2	ニジマスとラットの肝臓スライス及びミクロソームにおけるイミダクロプリドアセタミプリドの代謝であり、リスク評価に用いられない。
10	Li Yong; Long Ling; GE Jing; Li Haocong; Zhang Meng; Wan Qun; Yu Xiangyang	2019	Effect of imidacloprid uptake from contaminated soils on vegetable growth.	Journal of agricultural and food chemistry, (2019 Jun 11) . Electronic Publication Date: 11 Jun 2019	EPA	#1; Appendix 2-2	④
11	Zhang, Qicai; Wang, Xianli; Rao, Qinxiong; Chen, Shanshan; Song, Weiguo	2020	Imidacloprid dissipation, metabolism and accumulation in Agaricus bisporus fruits, casing soil and compost and dietary risk assessment	Chemosphere (2020), 254, 126837	EPA	#1; Appendix 2-2	⑤ ⑯b ⑯d

a: 数字および記号は3(1)及び(2)に記載した判断理由を示す。

#1: EPA, draft Biological Evaluation, 2021

#4: EFSA, Conclusion on the peer review of the pesticide risk assessment for bees for the active substance imidacloprid considering all uses other than seed treatments and granules, 2015

別添 4-2-3

海外評価引用文献のうち適合性なしと判断した論文：
生活環境動植物及び家畜に対する毒性

No.	著者	出版年	論文表題	掲載誌名、号、ページ等	評価機関	評価書情報(発行年等)	判断理由[a]
1	Sagun, V. G.; Ocampo, P. P.	2006	Proliferation of melanomacrophage centers (MMCs) in nile tilapia (Oreochromis niloticus Linn.) as induced by exposure to imidacloprid insecticide.	Philippine Entomologist (2006), Volume 20, Number 2, pp. 150-164, 17 refs. ISSN: 0048-3753 Published by: Philippine Association of Entomologists Inc, College	EPA	#1; Chapter 2, p 12-13; Appendix 2-3, p 6-7	⑯b
2	Chauzat, Marie-Pierre; Faucon, Jean-Paul; Martel, Anne-Claire; Lachaize, Julie; Cougoule, Nicolas; Aubert, Michel	2006	A survey of pesticide residues in pollen loads collected by honey bees in France	Journal of Economic Entomology (2006), 99(2), 253-262	EFSA	#3; Appendix C, p 55 #4; p 22, 34, 94, 220, 224, 226-227, 351-352	海外モニタリングであり、日本における評価に利用できない。
3	Fanti, M.; Maines, R.; Angeli, G. Editor(S): Brunelli, A.; Canova, A.; Collina, M.	2006	Evaluation of the repellency and acute toxicity of Neonicotinoids insecticides on Apis mellifera ligustica. Valutazione dei livelli di repellenza e della tossicita di insetticidi Neonicotinoidi su Apis mellifera ligustica.	Giornate Fitopatologiche 2006, Riccione (RN), 27-29 marzo 2006. Atti, volume primo (2006) , pp. 51-58, 6 refs. Published by: Universita di Bologna, Bologna Conference: Atti, Giornate Fitopatologiche, Riccione, Italy, 27-29 March 2006.	EFSA	#3; Appendix C, p 96-97 #4; p 94, 560-561	⑲
4	Rancan, M.; Sabatini, A. G.; Achilli, G.; Galletti, G. C.	2006	Determination of Imidacloprid and metabolites by liquid chromatography with an electrochemical detector and post column photochemical reactor	Analytica Chimica Acta (2006), 555(1), 20-24	EFSA	#3; Appendix C, p 248 #4; p 34, 94, 352	⑤
5	Chauzat, Marie-Pierre; Faucon, Jean-Paul; Martel, Anne-Claire; Lachaize, Julie; Cougoule, Nicolas; Aubert, Michel	2006	Pesticides, pollen and honey bees	Phytoma (2006), 594, 40-45	EFSA	#3; Appendix C, p 55	⑲
6	Sanyal, N.; Pal, R.; Chowdhury, A.	2006	Dissipation of imidacloprid in tea soil at termiticidal application rate.	Int. J. Soil Sci., Volume 1, Issue 1, Page 81-84, Publication Year 2006	EFSA	#4; p 37, 104, 414-415	⑭ ⑰
7	Capowiez, Yvan; Berard, Annette	2006	Assessment of the effects of imidacloprid on the behavior of two earthworm species (Aporrectodea nocturna and Allolobophora icterica) using 2D terraria	Ecotoxicology and Environmental Safety (2006), 64(2), 198-206	EPA	#1; Chapter 2, p 2-47 (Figure 2-25)	⑯b
8	Oliver, Jason B.; Reding, Michael E.; Moyseenko, James J.; Klein, Michael G.; Mannion, Catharine M.; Bishop, Bert	2006	Survival of adult Tiphia vernalis (Hymenoptera: Tiphiidae) after insecticide, fungicide, and herbicide exposure in laboratory bioassays	Journal of Economic Entomology (2006), 99(2), 288-294	EPA	#1; Chapter 2, p 2-48 (Figure 2-26)	⑯b
9	Cowles, R. S.; Montgomery, M. E.; Cheah, C. A. S.-J.	2006	Activity and residues of imidacloprid applied to soil and tree trunks to control hemlock woolly adelgid (Hemiptera: Adelgidae) in forests.	J. Econ. Entomol., Volume 99, Issue 4, Page 1258-1267, Publication Year 2006	EFSA	#4; p 38, 108, 442	④
10	Paul, Ayesa; Harrington, Laura C.; Scott, Jeffrey G.	2006	Evaluation of novel insecticides for control of dengue vector Aedes aegypti (diptera: Culicidae).	J. Med. Entomol., Volume 43, Issue 1, Page 55-60, Publication Year 2006	EPA	#1; Chapter 2, p 2-48 (Figure 2-26)	④

11	Alexander, Alexa C	2006	Sublethal effects of imidacloprid on mayflies and oligochaetes.	Masters Abstracts International. Vol. 47, no. 01, 91 p. 2006. ISBN: 9780494412862	EPA	#1; Chapter 2, p 2-21 (Figure 2-7), p 2-22 (Figure 2-8); Appendix 2-3, p 12	⑧
12	Samson,P.R., T.N. Staier, and J.I. Bull	2006	Evaluation of an Application Procedure for Metarhizium anisopliae in Sugarcane Ratoons for Control of the White Grub Dermolepida albohirtum	Crop Protection, Volume 25, Issue 8, August 2006, Pages 741-747	EPA	#1; Appendix 2-2	④
13	Grosman, Donald M.; Upton, William W.	2006	Efficacy of systemic insecticides for protection of loblolly pine against southern pine engraver beetles (Coleoptera: Curculionidae: Scolytinae) and wood borers (Coleoptera: Cerambycidae)	Journal of Economic Entomology (2006), 99(1), 94-101	EPA	#1; Appendix 2-2	④
14	Stelinski, L. L.; Pelz-Stelinski, K. S.; Liburd, O. E.; Gut, L. J.	2006	Control strategies for Rhagoletis mendax disrupt host-finding and ovipositional capability of its parasitic wasp, Diachasma alloeum.	Biological Control, (JAN 2006) Vol. 36, No. 1, pp. 91-99. ISSN: 1049-9644.	EPA	#1; Appendix 2-2	④
15	Smith, Trevor Randall; Cave, Ronald D.	2006	Pesticide susceptibility of Cybocephalus nipponicus and Rhyzobius lophanthae (Coleoptera: Cybocephalidae, Coccinellidae)	Florida Entomologist (2006), 89(4), 502-507	EPA	#1; Appendix 2-2	⑯b
16	Key, Peter; Chung, Katy; Siewicki, Tom; Fulton, Mike	2007	Toxicity of three pesticides individually and in mixture to larval grass shrimp (Palaemonetes pugio)	Ecotoxicology and Environmental Safety (2007), 68(2), 272-277	EPA	#1; Appendix 2-5, p 5	エビを用いた試験であるが、ガイドラインの推奨種ではない。
17	Garcia, M. D. Gil; Galera, M. Martinez; Valverde, R. Santiago; Galanti, A.; Girotti, S.	2007	Column switching liquid chromatography and post-column photochemically fluorescence detection to determine imidacloprid and 6-chloronicotinic acid in honeybees	Journal of Chromatography A (2007), 1147(1), 17-23	EFSA	#4; p 34, 93, 349	海外モニタリング又はその分析法の開発であり、日本における評価に利用できない。
18	Solangi, B. K.; Lohar, M. K.	2007	Effect of some insecticides on the population of insect pests and predators on okra.	Asian Journal of Plant Sciences (2007), Volume 6, Number 6, pp. 920-926, 21 refs. ISSN: 1682-3974 Published by: ANSInet, Asian Network for Scientific Information, Faisalabad	EPA	#1; Appendix 2-2	⑯b
19	Alexander, Alexa C.; Culp, Joseph M.; Liber, Karsten; Cessna, Allan J.	2007	Effects of insecticide exposure on feeding inhibition in mayflies and oligochaetes	Environmental Toxicology and Chemistry (Aug 2007) Volume 26, Number 8, pp. 1726-1732, 35 refs. CODEN: ETOCDK ISSN: 0730-7268 DOI: 10.1897/07-015R.1	EPA	#1; Appendix 2-5, p 3, 8, 9	⑯b
20	Krischik, Vera A.; Landmark, Alyson L.; Heimpel, George E.	2007	Soil-applied imidacloprid is translocated to nectar and kills nectar-feeding Anagyrus pseudococci (Girault) (Hymenoptera: Encyrtidae)	Environmental Entomology (2007), 36(5), 1238-1245	EPA EFSA	#1; Chapter 2, p 2-40 (Figure 2-20) #4; p 34, 93, 348-349	⑯b

21	Rezaei, M.; Talebi, K.; Naveh, V. H.; Kavousi, A.	2007	Impacts of the pesticides imidacloprid, propargite, and pymetrozine on Chrysoperla carnea (Stephens) (Neuroptera: Chrysopidae): IOBC and life table assays.	BioControl, Volume 52, Issue 3, Page 385-398, Publication Year 2007	EPA	#1; Appendix 2-2	⑯b
22	Kreutzweiser, David; Good, Kevin; Chartrand, Derek; Scarr, Taylor; Thompson, Dean.	2007	Non-target effects on aquatic decomposer organisms of imidacloprid as a systemic insecticide to control emerald ash borer in riparian trees.	Ecotoxicol. Environ. Saf., Volume 68, Issue 3, Page 315-325, Publication Year 2007	EPA	#1; Appendix 2-2	⑱(マイクロコスムのような混合生物系)
23	Kolupaeva, V.; Gorbatov, V.; Kokoreva, A.	2007	Comparison of PEARL and MACRO_DB simulations in the unsaturated zone using lysimeter experiment data	Environmental Fate and Ecological Effects of Pesticides, Symposium Pesticide Chemistry, 13th, Piacenza, Italy, Sept. 3-6, 2007 (2007), 497-502. Editor(s): Del Re, Attilio Amerigo Maria. Publisher: Goliardica Pavese s.r.l., Pavia, Italy.	EFSA	#4; p 37, 104, 412	⑧
24	Rogers, Mary A.; Krischik, Vera A.; Martin, Luis A.	2007	Effect of soil application of imidacloprid on survival of adult green lacewing, Chrysoperla carnea (Neuroptera: Chrysopidae), used for biological control in greenhouse.	Biol. Control, Volume 42, Issue 2, Page 172-177, Publication Year 2007	EPA	#1; Appendix 2-2	⑯b
25	Pastagia, J. J.; Patel, M. B.	2007	Relative contact toxicity of some insecticides to worker bees of Apis Cerana F.	J. Plant Prot. Environ., Volume 4, Issue 2, Page 89-92, Publication Year 2007	EFSA	#3; Appendix C, p 215-216 #4; p 93, 559	⑯b
26	Medina, P.; Morales, J. J.; Budia, F.; Adan, A.; Del Estal, P.; Vinuela, E.	2007	Compatibility of endoparasitoid Hyposoter didymator (Hymenoptera: Ichneumonidae) protected stages with five selected insecticides	Journal of Economic Entomology (2007), 100(6), 1789-1796	EPA	#1; Chapter 2, p 2-45 (Figure 2-24)	⑯b
27	Sanchez-Bayo, Francisco; Yamashita, Hanae; Osaka, Ryu; Yoneda, Masahiro; Goka, Kouichi	2007	Ecological effects of imidacloprid on arthropod communities in and around a vegetable crop	Journal of Environmental Science and Health, Part B: Pesticides, Food Contaminants, and Agricultural Wastes (2007), 42(3), 279-286	EFSA	#4; p 37, 104, 411	⑯b ⑰
28	Liu, Chang-Zhong; Wang, Gang; Yan, Lin	2007	Effects of imidacloprid on arthropod community structure and its dynamics in alfalfa field	Yingyong Shengtai Xuebao (2007), 18(10), 2379-2383	EFSA	#4; p 93, 558	⑲
29	Santos Adao Valmir; De Oliveira Bruno Lorenz; Samuels Richard Ian	2007	Selection of entomopathogenic fungi for use in combination with sub-lethal doses of imidacloprid: perspectives for the control of the leaf-cutting ant Atta sexdens rubropilosa Forel (Hymenoptera: Formicidae).	Mycopathologia, (2007 Apr) Vol. 163, No. 4, pp. 233-40. Electronic Publication Date: 3 Apr 2007	EPA	#1; Chapter 2, p 2-40 (Figure 2-20)	⑯b
30	Schulte, Marie Joy; Martin, Konrad; Sauerborn, Joachim	2007	Biology and control of the fruit borer, Conopomorpha sinensis Bradley on litchi (Litchi chinensis Sonn.) in northern Thailand.	Insect Science, (DEC 2007) Vol. 14, No. 6, pp. 525-529. ISSN: 1672-9609. E-ISSN: 1744-7917.	EPA	#1; Appendix 2-2	⑯b

31	Bonmatin, J. M.; Marchand, P. A.; Cotte, J. F.; Aajoud, A.; Casabianca, H.; Goutailler, G.; Courtiade, M.	2007	Bees and systemic insecticides (imidacloprid, fipronil) in pollen: subnano-quantification by HPLC/MS/MS and GC/MS.	Environ. Fate Ecol. Eff. Pestic., Symp. Pestic. Chem., 13th, Page 827-834, Publication Year 2007	EPA EFSA	#2; p 316 #4; p 93, 350	⑧
32	Lawrence,K.S., T.B. Hatchett, W.S. Gazaway, and J.R. Akridge	2007	Evaluation of Experimental Gaucho Grande Seed Treatment Formulations for Reniform Nematode Management in Cotton in South Alabama, 2006	National Agricultural Library, ISSN : 1072-074X	EPA	#1; Appendix 2-2	④
33	Lawrence,K.S., T.B. Hatchett, C.H. Burmester, and B.E. Norris	2007	Evaluation of Experimental Gaucho Grande Formulations for Reniform Nematode Management in Cotton in North Alabama, 2006	ALABAMA AGRICULTURAL EXPERIMENT STATION, Research Report No. 30, March 2007	EPA	#1; Appendix 2-2	④
34	Collett,N.G., and J. Mcbeath	2007	Managing Insect Pests in Eucalyptus globulus (Labill.) Plantations in Victoria Using Insecticide Tablets at Establishment	Australian Forestry,Volume 70, 2007 - Issue 1, pages 53-60	EPA	#1; Appendix 2-2	④
35	Siddiqui, A.; Choudhary, M.; Goriya, H. V.; Bhavsar, S. K.; Thaker, A. M.	2007	Evaluation of immunotoxic effect of short-term administration of quinalphos and imidacloprid in white leghorn cockerels.	Toxicol. Int., Volume 14, Issue 1, Page 15-19, Publication Year 2007	EPA	#1; Appendix 2-2	⑱
36	Vitullo, Justin M.; Sadof, Clifford S.	2007	Efficacy of soil and foliar-applied azadirachtin in combination with and in comparison to soil-applied imidacloprid and foliar-applied carbaryl against Japanese beetles on roses.	HortTechnology, Volume 17, Issue 3, Page 316-321, Publication Year 2007	EPA	#1; Appendix 2-2	④
37	Kostromytska,O.S., and E.A. Buss	2008	Seasonal Phenology and Management of Tomarus subtropicus (Coleoptera: Scarabaeidae) in St. Augustinegrass	J. Econ. Entomol.101(6): 1847-1855	EPA	#1; Chapter 2, p 2-48 (Figure 2-26)	⑯b
38	Alexander, Alexa C.; Heard, Kristie S.; Culp, Joseph M.	2008	Emergent body size of mayfly survivors.	Freshwater Biology, (JAN 2008) Vol. 53, No. 1, pp. 171-180.	EPA	#1; Chapter 2, p 2-21 (Figure 2-7), 2-22 (Figure 2-8)	⑯b
39	Gradish, A. E.; Dupree, C. D. S.; Shipp, L.; Harris, C. R.; Ferguson, G. Editor(S): Enkegaard, A.	2008	The effect of reduced risk pesticides for use in greenhouse vegetable production on bumble bees (Bombus impatiens Cresson).	Bulletin OILB/SROP (2008), Volume 32, pp. 67-70, 7 refs. Published by: International Organization for Biological and Integrated Control of Noxious Animals and Plants (OIBC/OILB), West Palaearctic Regional Section (WPRS/SROP), Dijon Conference: Internation	EFSA	#4; p 93, 558	⑧
40	Seefeld, F.	2008	Chemical analysis for the detection of damage to honey bees by pesticides in the period of 1985 to 2006. Chemische Untersuchungen zur Aufklaerung von Schaeden an Honigbienen durch Pflanzenschutzmittel im Zeitraum 1985 bis 2006.	Mitteilungen aus dem Julius Kuehn-Institut (2008) , Number 418, 150 p. ISSN: 1867-1268 Published by: Julius Kuehn Institut, Bundesforschungsinstitut fuer Kulturpflanzen, Quedlinburg	EFSA	#4; p 33, 92, 346	⑲

41	Greatti, M.; Barbattini, R.; Stravisi, A.; Sabatini, A. G.; Rossi, S.	2008	Spread of the seed treatment Gaucho 350FS (a.i. imidacloprid) in the environment during maize sowing - Insecticides applied for seed dressing in maize. Dispersione nellambiente del conciante Gaucho 350FS (s.a. imidacloprid) durante la semina del mais: g	Notiziario ERSA (2008), Volume 22, Number 2, pp. 33-36, 5 refs. ISSN: 1970-9749 Published by: ERSA, Gorizia	EFSA	#4; p 34, 76, 93, 347	⑲
42	Kreutzweiser, David P.; Good, Kevin P.; Chartrand, Derek T.; Scarr, Taylor A.; Thompson, Dean G.	2008	Are leaves that fall from imidacloprid-treated maple trees to control Asian longhorned beetles toxic to non-target decomposer organisms?.	J. Environ. Qual., Volume 37, Issue 2, Page 639-646, Publication Year 2008	EPA	#1; Chapter 2, p 2-40 (Figure 2-20)	⑯b
43	Wang, Huai Yin; Yang, Yang; Su, Jian Ya; Shen, Jin Liang; Gao, Cong Fen; Zhu, Yu Cheng.	2008	Assessment of the impact of insecticides on Anagrus nilaparvatae (Pang et Wang) (Hymenoptera: Mymanidae), an egg parasitoid of the rice planthopper, Nilaparvata lugens (Hemiptera: Delphacidae).	Crop Prot., Volume 27, Issue 3-5, Page 514-522, Publication Year 2008	EPA	#1; Chapter 2, p 2-40 (Figure 2-20)	⑯b
44	Chandramani, P.; Usha Rani, B.; Muthiah, C.; Kumar, S.	2008	Evaluation of toxicity of certain insecticides to Indian honeybee, Apis cerana indica F.	Pestology, Volume 32, Issue 8, Page 42-43, Publication Year 2008	EPA EFSA	#2; Appendix A, p 2-3 #3; Appendix C, p 52-53 #4; p 107, 647	⑯b #2でinvalidとされている。
45	Zhang, Yixi; Liu, Shuhua; Gu, Jianhua; Song, Feng; Yao, Xiangmei; Liu, Zewen.	2008	Imidacloprid acts as an antagonist on insect nicotinic acetylcholine receptor containing the Y151M mutation.	Neurosci. Lett., Volume 446, Issue 2-3, Page 97-100, Publication Year 2008	EPA	#2; p 327	④
46	Illarionov, A. I.; Derkach, A. A.	2008	Toxicity and hazard of neonicotinoids for honeybees.	Agrokhimiya, Issue 10, Page 74-81, Publication Year 2008	EFSA	#4; p 92, 550-552	⑲
47	Drobne, Damjana; Blazic, Mateja; Van Gestel, Cornelis A. M.; Leser, Vladka; Zidar, Primoz; Jemec, Anita; Trebse, Polonca.	2008	Toxicity of imidacloprid to the terrestrial isopod Porcellio scaber (Isopoda, Crustacea).	Chemosphere, Volume 71, Issue 7, Page 1326-1334, Publication Year 2008	EPA	#1; Chapter 2, p 2-40 (Figure 2-20)	⑯b
48	Abbott, V. A.; Nadeau, J. L.; Higo, H. A.; Winston, M. L.	2008	Lethal and sublethal effects of imidacloprid on Osmia lignaria and clothianidin on Megachile rotundata (Hymenoptera: Megachilidae)	Journal of Economic Entomology (2008), 101(3), 784-796	EPA EFSA	#2; p 148; Appendix E, p 58 #3; Appendix C, p 8 #4; p 92, 553-556	⑯b
49	Stevens, Mark M.; Reinke, Russell F.; Coombes, Neil E.; Helliwell, Stuart; Mo, Jianhua.	2008	Influence of imidacloprid seed treatments on rice germination and early seedling growth.	Pest Manage. Sci., Volume 64, Issue 3, Page 215-222, Publication Year 2008	EPA	#1; Appendix 2-3, p 42	④

50	Reynolds,W.N.	2008	Imidacloprid Insecticide Treatments for Hemlock Woolly Adelgid, Adelges tsugae Annand (Hemiptera: Adelgidae), Affect a Non-Target Soil Arthropod Community Surrounding Eastern Hemlock, Tsuga canadensis (L) Carriere	A Thesis Presented for the Master of Science Degree, The University of Tennessee, Knoxville	EPA	#1; Chapter 2, p 2-47 (Figure 2-25)	査読プロセスのある学術ジャーナルに掲載されていない。
51	Cuthbertson, Andrew G. S.; Mathers, James J.; Northing, Phil; Prickett, Anthony J.; Walters, Keith F. A.	2008	The integrated use of chemical insecticides and the entomopathogenic nematode, Steinernema carpocapsae (Nematoda : Steinernematidae), for the control of sweetpotato whitefly, Bemisia tabaci (Hemiptera : Aleyrodidae).	Insect Science, (OCT 2008) Vol. 15, No. 5, pp. 447-453. ISSN: 1672-9609. E-ISSN: 1744-7917.	EPA	#1; Appendix 2-2	④
52	Baldessari, M.; Trona, F.; Leonardelli, E.; Angeli, G. Editor(S): Brunelli, A.	2008	Efficacy of acetamiprid (Epik.RTM.) and azadirachtin (Oikos.RTM.) for controlling Dysaphis plantaginea Pass. Efficacia di acetamiprid (Epik.RTM.) e di azadiractina (Oikos.RTM.) nel contenimento di Dysaphis plantaginea.	Giornate Fitopatologiche 2008, Cervia (RA), 12-14 marzo 2008, Volume 1 (2008), pp. 115-120, 4 refs. Published by: Universita di Bologna, Bologna Conference: Giornate Fitopatologiche 2008, Cervia (RA), 12-14 marzo 2008, Volume 1.	EFSA	#4; p 215	⑲
53	Chauzat, Marie-Pierre; Carpentier, Patrice; Martel, Anne-Claire; Bougeard, Stephanie; Cougoule, Nicolas; Porta, Philippe; Lachaize, Julie; Madec, Francois; Aubert, Michel; Faucon, Jean-Paul.	2009	Influence of pesticide residues on honey bee (Hymenoptera: Apidae) colony health in France.	Environ. Entomol., Volume 38, Issue 3, Page 514-523, Publication Year 2009	EPA EFSA	#2; p 316 #4; p 22, 33, 91, 220-221, 338-339, 542	海外モニタリングであり、日本における評価に利用できない。
54	Sawasdee, Banthita; Koehler, Heinz-R.	2009	Embryo toxicity of pesticides and heavy metals to the ramshorn snail, Marisa cornuarietis (Prosobranchia).	Chemosphere, Volume 75, Issue 11, Page 1539-1547, Publication Year 2009	EPA	#1; Chapter 2, p 2-10, 2-17, 2-23 (Figure 2-9); Appendix 2-3, p 19	⑯b
55	Kreutzweiser, David P.; Thompson, Dean G.; Scarr, Taylor A.	2009	Imidacloprid in leaves from systemically treated trees may inhibit litter breakdown by non-target invertebrates.	Ecotoxicol. Environ. Saf., Volume 72, Issue 4, Page 1053-1057, Publication Year 2009	EPA	#1; Chapter 2, p 2-40 (Figure 2-20)	⑯b
56	Gomez-Eyles, Jose L.; Svendsen, Claus; Lister, Lindsay; Martin, Heather; Hodson, Mark E.; Spurgeon, David J.	2009	Measuring and modelling mixture toxicity of imidacloprid and thiacloprid on Caenorhabditis elegans and Eisenia fetida	Ecotoxicology and Environmental Safety (2009), 72(1), 71-79	EPA	#1; Chapter 2, p 2-47 (Figure 2-25)	⑯b
57	Scott-Dupree, C. D.; Conroy, L.; Harris, C. R.	2009	Impact of currently used or potentially useful insecticides for canola agroecosystems on Bombus impatients (Hymenoptera: Apidae), Megachile rotundata (Hymentoptera: Megachilidae), and Osmia lignaria (Hymenoptera: Megachilidae)	Journal of Economic Entomology (2009), 102(1), 177-182	EPA EFSA	#2; p 136-137 #3; Appendix C, p 291-294 #4; p 91, 546	⑯b
58	Pestana, J. L. T.; Alexander, A. C.; Culp, J. M.; Baird, D. J.; Cessna, A. J.; Soares, A. M. V. M.	2009	Structural and functional responses of benthic invertebrates to imidacloprid in outdoor stream mesocosms.	Environ. Pollut. (Oxford, U. K.), Volume 157, Issue 8-9, Page 2328-2334, Publication Year 2009	EPA	#1; Appendix 2-2	⑱

59	Aprea, Cristina; Lunghini, Liana; Banchi, Bruno; Peruzzi, Antonio; Centi, Letizia; Coppi, Luana; Bogi, Mirella; Marianelli, Enrico; Fantacci, Mariella; Catalano, Pietro; Benvenuti, Alessandra; Miligi, Lucia; Sciarra, Gianfranco.	2009	Evaluation of inhaled and cutaneous doses of imidacloprid during stapling ornamental plants in tunnels or greenhouses.	J. Exposure Sci. Environ. Epidemiol., Volume 19, Issue 6, Page 555-569, Publication Year 2009	EFSA	#4; p 37, 77, 103, 408	④
60	Becker, Alexssandro G.; Moraes, Bibiana S.; Menezes, Charlene C.; Loro, Vania L.; Santos, Danilo R.; Reichert, Jose M.; Baldisserotto, Bernardo	2009	Pesticide contamination of water alters the metabolism of juvenile silver catfish, Rhamdia quelen	Ecotoxicology and Environmental Safety (2009), 72(6), 1734-1739	EFSA	#4; p 38, 77, 108, 439	⑯b
61	Bortolotti, L.; Sabatini, A. G.; Mutinelli, F.; Astuti, M.; Lavazza, A.; Piro, R.; Tesoriero, D.; Medrzycki, P.; Sgolastra, F.; Porrini, C. Editor(S): Oomen, P. A.; Thompson, H. M.	2009	Spring honey bee losses in Italy.	Julius-Kuehn-Archiv (2009), Number 423, pp. 148-152, 6 refs. ISSN: 1868-9892 Published by: Julius Kuehn Institut, Bundesforschungsinstitut fuer Kulturpflanzen, Quedlinburg Conference: Hazards of pesticides to bees. 10th International Symposium of the ICP-	EFSA	#4; p 33, 76, 92, 344-345	⑧
62	Janke, M.; Rosenkranz, P. Editor(S): Oomen, P. A.; Thompson, H. M.	2009	Periodical honey bee colony losses in Germany: preliminary results from a four years monitoring project.	Julius-Kuehn-Archiv (2009) , Number 423, pp. 108-117, 1 refs. ISSN: 1868-9892 Published by: Julius Kuehn Institut, Bundesforschungsinstitut fuer Kulturpflanzen, Quedlinburg Conference: Hazards of pesticides to bees. 10th International Symposium of the ICP	EFSA	#4; p 33, 91, 341	⑧
63	Pridgeon, Julia W.; Becnel, James J.; Clark, Gary G.; Linthicum, Kenneth J.	2009	A high-throughput screening method to identify potential pesticides for mosquito control.	J. Med. Entomol., Volume 46, Issue 2, Page 335-341, Publication Year 2009	EPA	#1; Chapter 2, p 2-44 (Figure 2-23)	⑯b
64	Yokoyama, Atsushi; Ohtsu, Kazuhisa; Iwafune, Takashi; Nagai, Takashi; Ishihara, Satoru; Kobara, Yuso; Horio, Takeshi; Endo, Shozo.	2009	A useful new insecticide bioassay using first-instar larvae of a net-spinning caddisfly, Cheumatopsyche brevilineata (Trichoptera: Hydropsychidae).	J. Pestic. Sci. (Tokyo, Jpn.), Volume 34, Issue 1, Page 13-20, Publication Year 2009	EPA	#1; Appendix 2-5, p 4	⑯b
65	Valdovinos-Nunez, Gustavo Rafael; Quezada-Euan, Jose Javier G.; Ancona-Xiu, Patricia; Moo-Valle, Humberto; Carmona, Angelica; Sanchez, Esau Ruiz	2009	Comparative toxicity of pesticides to stingless bees (Hymenoptera: Apidae: Meliponini)	Journal of Economic Entomology (2009), 102(5), 1737-1742	EPA EFSA	#1; Chapter 2, p 2-44 (Figure 2-23) #2; Appendix A, p 9 #3; Appendix C, p 244-245 #4; p 90, 540	⑯b #2でinvalidとされている。
66	Jalali, Mohammad Amin; Leeuwen, Thomas; Tirry, Luc; Clercq, Patrick	2009	Toxicity of selected insecticides to the two-spot ladybird Adalia bipunctata	Phytoparasitica (2009), 37(4), 323-326	EPA	#1; Chapter 2, p 2-40 (Figure 2-20)	⑯b
67	Karanjkar, A. S.; Naik, R. L.	2009	Acute toxicity : novel mode of pesticides on earthworm .	International Journal of Plant Protection (2009), Volume 2, Number 2, pp. 182-185, 20 refs. ISSN: 0974-2670 Published by: Dr. R.K. Singh, Muzaffarnagar	EFSA	#4; p 216	⑯b

68	Dively, G.; Embrey, Mike; Patton, Terry; Pettis, Jeff; Miller, Amy	2009	Assessment of sublethal effects of imidacloprid on honey bee colony health	20091213 Conference: 57th Annual Meeting of the Entomological Society of America, Indianapolis, Indiana, 13 Dec 2009 - 16 Dec 2009	EPA EFSA	#2; p 164 #4; p 117, 181, 221, 225	⑧
69	Xu, Ting; Jacobsen, Christopher M.; Hara, Arnold H.; Li, Ji; Li, Qing X.	2009	Efficacy of systemic insecticides on the gall wasp Quadrastichus erythrinae in wiliwili trees (Erythrina spp.).	Pest Manage. Sci., Volume 65, Issue 2, Page 163-169, Publication Year 2009	EFSA	#4; p 38, 108, 440-442	④
70	Doccola, Joseph J.; Smith, Sheri L.; Strom, Brian L.; Medeiros, Arthur C.; Von Allmen, Erica	2009	Systemically Applied Insecticides for Treatment of Erythrina Gall Wasp, Quadrastichus erythrinae Kim (Hymenoptera: Eulophidae).	Arboriculture and Urban Forestry, (JUL 2009) Vol. 35, No. 4, pp. 173-181. ISSN: 1935-5297. E-ISSN: 2155-0778.	EPA	#1; Appendix 2-2	④
71	Forster, R. Editor(S): Oomen, P. A.; Thompson, H. M.	2009	Bee poisoning caused by insecticidal seed treatment of maize in Germany in 2008.	Julius-Kuehn-Archiv (2009) , Number 423, pp. 126-131 ISSN: 1868-9892 Published by: Julius Kuehn Institut, Bundesforschungsinstitut fuer Kulturpflanzen, Quedlinburg Conference: Hazards of pesticides to bees. 10th International Symposium of the ICP-Bee Protection Group. Bucharest, Romania, 8-10 October, 2008.	EPA	#2; p 318	⑱(ミツバチ事故)
72	Dondero, Francesco; Negri, Alessandro; Boatti, Lara; Marsano, Francesco; Mignone, Flavio; Viarengo, Aldo.	2010	Transcriptomic and proteomic effects of a neonicotinoid insecticide mixture in the marine mussel (Mytilus galloprovincialis, Lam.).	Sci. Total Environ., Volume 408, Issue 18, Page 3775-3786, Publication Year 2010	EPA	#1; Appendix 2-5, p 5	⑯b
73	Osterberg, Joshua Samuel	2010	Ecotoxicology of natural and anthropogenic extreme environments.	Dissertation Abstracts International. Vol. 71, no. 04, suppl. B, 178 p. 2010. ISBN: 9781109714876	EPA	#1; Appendix 2-3, p 16-17	⑧
74	Garrido-Bailon, E.; Martin-Hernandez, R.; Bernal, J.; Bernal, J. L.; Martinez-Salvador, A.; Barrios, L.; Meana, A.; Higes, M. [Reprint Author]	2010	Short communication. The detection of Israeli Acute Paralysis virus (IAPV), fipronil and imidacloprid in professional apiaries are not related with massive honey bee colony loss in Spain.	Spanish Journal of Agricultural Research, (SEP 2010) Vol. 8, No. 3, pp. 658-661. ISSN: 1695-971X.	EFSA	#4; p 33, 89, 332	海外モニタリングであり、日本における評価に利用できない。
75	Bernal, J.; Garrido-Bailon, E.; Del Nozal, M. J.; Gonzalez-Porto, A. V.; Martin-Hernandez, R.; Diego, J. C.; Jimenez, J. J.; Bernal, J. L.; Higes, M.	2010	Overview of pesticide residues in stored pollen and their potential effect on bee colony (Apis mellifera) losses in Spain	Journal of Economic Entomology (2010), 103(6), 1964-1971	EFSA	#3; Appendix C, p 31 #4; p 33, 88, 332	海外モニタリングであり、日本における評価に利用できない。
76	Girotti, Stefano; Maiolini, Elisabetta; Ghini, Severino; Eremin, Sergei; Manes, Jordi.	2010	Quantification of Imidacloprid in Honeybees: Development of a Chemiluminescent ELISA.	Anal. Lett., Volume 43, Issue 3, Page 466-475, Publication Year 2010	EFSA	#4; p 33, 76, 89, 335	海外モニタリング又はその分析法の開発であり、日本における評価に利用できない。
77	Mullin, Christopher A.; Frazier, Maryann; Frazier, James L.; Ashcraft, Sara; Simonds, Roger; Van Engelsdorp, Dennis; Pettis, Jeffery S.	2010	High levels of miticides and agrochemicals in North American apiaries: implications for honey bee health.	PLoS One, Volume 5, Issue 3, Page No pp. given, Publication Year 2010	EPA EFSA	#2; p 322 #3; Appendix C, p 206-207 #4; p 22, 33, 89, 221-224, 228, 333-335	海外モニタリングであり、日本における評価に利用できない。

78	Garcia-Chao, Maria; Agruna, Maria Jesus; Calvete, Gonzalo Flores; Sakkas, Vasilis; Llompart, Maria; Dagnac, Thierry	2010	Validation of an off line solid phase extraction liquid chromatography-tandem mass spectrometry method for the determination of systemic insecticide residues in honey and pollen samples collected in apiaries from NW Spain	Analytica Chimica Acta (2010), 672(1-2), 107-113	EFSA	#4; p 33, 89, 332	海外モニタリング又はその分析法の開発であり、日本における評価に利用できない。
79	Bacandritsos, N. [Reprint Author]; Granato, A.; Budge, G.; Papanastasiou, I.; Roinioti, E.; Caldon, M.; Falcaro, C.; Gallina, A.; Mutinelli, F.	2010	Sudden deaths and colony population decline in Greek honey bee colonies.	Journal of Invertebrate Pathology, (NOV 2010) Vol. 105, No. 3, pp. 335-340	EFSA	#3; Appendix C, p 21-22 #4; p 88, 529	⑱(ミツバチ事故)
80	Ade, Catherine M.; Boone, Michelle D.; Puglis, Holly J.	2010	Effects of an Insecticide and Potential Predators on Green Frogs and Northern Cricket Frogs.	Journal of Herpetology, (DEC 2010) Vol. 44, No. 4, pp. 591-600	EPA	#1; Appendix 2-3, p 26-27	⑭ ⑯b
81	Akbar, M. F.; Haq, M. A.; Farzana Parveen; Nikhat Yasmin; Sayeed, S. A.	2010	Determination of synthetic and bio-insecticides residues during aphid (Myzus persicae Sulzer) control on cabbage crop through high performance liquid chromatography.	Pakistan Entomologist (2010), Volume 32, Number 2, pp. 155-162, 43 refs. ISSN: 1017-1827 Published by: Pakistan Entomological Society, Faisalabad	EFSA	#4; p 36, 103, 408	⑤
82	Capowiez, Yvan; Dittbrenner, Nils; Rault, Magali; Triebskorn, Rita; Hedde, Mickael; Mazzia, Christophe	2010	Earthworm cast production as a new behavioural biomarker for toxicity testing	Environmental Pollution (Oxford, United Kingdom) (2010), 158(2), 388-393	EPA	#1; Chapter 2, p 2-46, 2-47 (Figure 2-25)	⑯b
83	Lukancic, Simon; Zibrat, Uros; Mezek, Tadej; Jerebic, Andreja; Simcic, Tatjana; Brancelj, Anton.	2010	Effects of Exposing Two Non-Target Crustacean Species, Asellus aquaticus L., and Gammarus fossarum Koch., to Atrazine and Imidacloprid.	Bull. Environ. Contam. Toxicol., Volume 84, Issue 1, Page 85-90, Publication Year 2010	EPA	#1; Appendix 2-5, p 4-5	⑭
84	Preetha, Gnanadhas; Manoharan, Thiyagarajan; Stanley, Johnson; Kuttalam, Sasthakutty.	2010	Impact of chloronicotinyl insecticide, imidacloprid on egg, egg-larval and larval parasitoids under laboratory conditions.	J. Plant Prot. Res., Volume 50, Issue 4, Page 535-540, Publication Year 2010	EPA	#1; Chapter 2, p 2-48 (Figure 2-26)	⑯b
85	Carvalho, Geraldo Andrade; Godoy, Mauricio Sekiguchi; Parreira, Douglas Silva; Rezende, Denise Tourino	2010	Effect of chemical insecticides used in tomato crops on immature Trichogramma pretiosum (Hymenoptera: Trichogrammatidae)	Revista Colombiana de Entomologia (2010), 36(1), 10-15	EPA	#1; Appendix 2-2	⑯b
86	Faheem, Muhammad; Khan, M. Farhanullah	2010	Toxicity of imidacloprid (nicotinoid) against earthworm, Pheretima posthuma with reference to its effects on protein	Journal of Basic and Applied Sciences (2010), 6(1), 55-62	EPA	#1; Appendix 2-2	⑯b
87	Carvalho, Geraldo Andrade; Godoy, Mauricio Sekiguchi; Parreira, Douglas Silva; Lasmar, Olinto; Souza, Jander Rodrigues; Moscardini, Valeria Fonseca.	2010	Selectivity of growth regulators and neonicotinoids for adults of Trichogramma pretiosum (Hymenoptera: Trichogrammatidae).	Rev. Colomb. Entomol., Volume 36, Issue 2, Page 195-201, Publication Year 2010	EPA	#1; Appendix 2-2	⑯b

88	Laurino, Daniela [Reprint Author]; Manino, Aulo; Patetta, Augusto; Ansaldi, Matteo; Porporato, Marco	2010	ACUTE ORAL TOXICITY OF NEONICOTINOIDS ON DIFFERENT HONEY BEE STRAINS.	Redia, (2010) Vol. 93, pp. 99-102.	EPA EFSA	#1; Chapter 2, p 2-45 (Figure 2-24) #2; Appendix A, p 4 #3; Appendix C, p 180-181 #4; p 90, 537-539	⑭ 被験物質を25%スクロースに加えて数mL～10mL程度を10匹のミツバチに1時間自由摂取させている。スクロース摂取量を正確に測定できる投与方法と考えられず、実際のスクロース摂取量を測定したとの記載もないことから、スクロース摂取量が35μLとされているが、その正確性が不明であり、被験物質摂取量が検証できない。 #2においてinvalidとされている。
89	Wang, Mian; Kang, Mingjiang; Guo, Xingqi; Xu, Baohua.	2010	Identification and characterization of two phospholipid hydroperoxide glutathione peroxidase genes from Apis cerana cerana.	Comp. Biochem. Physiol., Part C: Toxicol. Pharmacol., Volume 152C, Issue 1, Page 75-83, Publication Year 2010	EFSA	#4; p 89, 530	⑯b
90	Dilling, Carla (Correspondence); Lambdin, Paris; Grant, Jerome; Rhea, Rusty	2010	Spatial and temporal distribution of imidacloprid in eastern hemlock in the southern Appalachians..	Journal of economic entomology, (Apr 2010) Vol. 103, No. 2, pp. 368-373. ISSN: 0022-0493	EFSA	#4; p 36, 103, 407	⑱
91	Sharma, D. R.	2010	Bioefficacy of insecticides against peach leaf curl aphid, Brachycaudus helichrysi (Kaltenbach) in Punjab.	Indian Journal of Entomology (2010), Volume 72, Number 3, pp. 217-222, 9 refs. ISSN: 0367-8288 Published by: Entomological Society of India, New Delhi	EFSA	#4; p 90, 536	④
92	Guan, Huanan; Chi, Defu; Yu, Jia; Li, He.	2010	Dynamics of residues from a novel nano-imidacloprid formulation in soybean fields.	Crop Prot., Volume 29, Issue 9, Page 942-946, Publication Year 2010	EFSA	#4; p 36, 103, 406-407	⑱
93	Schenke, D.; Joachimsmeier, I. P.; Pistorius, J.; Heimbach, U.	2010	Transfer of pesticide active ingredients from treated seeds through guttation - preliminary results. Verlagerung von Pflanzenschutzmittelwirkstoffen aus behandeltem Saatgut in Guttationstropfen - Erste Ergebnisse.	Julius-Kuehn-Archiv (2010), Number 428, 131 p., 5 refs. ISSN: 1868-9892 Published by: Julius Kuehn Institut, Bundesforschungsinstitut fuer Kulturpflanzen, Quedlinburg Conference: 57. Deutsche Pflanzenschutztagung, Berlin, Germany, 6-9 September, 2010.	EFSA	#4; p 35, 76, 100, 376-377	⑧
94	Joachimsmeier, I.; Heimbach, U.; Schenke, D.; Pistorius, J.	2010	Residues of different systemic neonicotinoids in guttation droplets of oilseed rape in a field study. Rueckstaende verschiedener Neonicotinoide in Guttationstropfen von Winterraps im Feldversuch.	Julius-Kuehn-Archiv (2010), Number 428, pp. 468-469, 3 refs. ISSN: 1868-9892 Published by: Julius Kuehn Institut, Bundesforschungsinstitut fuer Kulturpflanzen, Quedlinburg Conference: 57. Deutsche Pflanzenschutztagung, Berlin, Germany, 6-9 September, 2010	EFSA	#4; p 35, 76, 100, 378-379	⑧
95	Vinothkumar, B.; Kumaran, N.; Boomathi, N.; Saravanan, P. A.; Kuttalam, S.	2010	Toxicity of spirotetramat 150 OD to honeybees.	Madras Agricultural Journal (2010), Volume 97, Number 1/3, pp. 86-87, 7 refs. ISSN: 0024-9602 Published by: Tamilnadu Agricultural University, Coimbatore	EFSA	#4; p 90, 539	⑭

96	Heimbach, U.; Staehler, M.	2010	Problems encountered during sowing of treated cereal seeds. Staeube bei der Aussaat von behandeltem Getreidesaatgut - ein Problem?	Julius-Kuehn-Archiv (2010), Number 428, pp. 76-77 ISSN: 1868-9892 Published by: Julius Kuehn Institut, Bundesforschungsinstitut fuer Kulturpflanzen, Quedlinburg Conference: 57. Deutsche Pflanzenschutztagung, Berlin, Germany, 6-9 September, 2010.	EFSA	#4; p 33, 76, 90, 336	⑲
97	Cole, Peter G. [Reprint Author]; Cutler, Anna R.; Kobelt, Amanda J.; Horne, Paul A.	2010	Acute and long-term effects of selective insecticides on Micromus tasmaniae Walker (Neuroptera: Hemerobiidae), Coccinella transversalis F. (Coleoptera: Coccinellidae) and Nabis kinbergii Reuter (Hemiptera: Miridae).	Australian Journal of Entomology, (2010) Vol. 49, No. Part 2, pp. 160-165. ISSN: 1326-6756. E-ISSN: 1444-6055.	EPA	#1; Appendix 2-2	⑯b
98	Ashauer, Roman; Caravatti, Ivo; Hintermeister, Anita; Escher, Beate I.	2010	Bioaccumulation kinetics of organic xenobiotic pollutants in the freshwater invertebrate Gammarus pulex modeled with prediction intervals.	Environ. Toxicol. Chem., Volume 29, Issue 7, Page 1625-1636, Publication Year 2010	EPA	#1; Appendix 2-5, p 5	BCFの試験種として妥当性が不明、Gammarusの毒性値は報告されていない。
99	Gradish, Angela E.; Scott-Dupree, Cynthia D.; Shipp, Les; Harris, C. Ron; Ferguson, Gillian.	2010	Effect of reduced risk pesticides for use in greenhouse vegetable production on Bombus impatiens (Hymenoptera: Apidae).	Pest Manage. Sci., Volume 66, Issue 2, Page 142-146, Publication Year 2010	EPA EFSA	#2; p 136-137; Appendix E, p 48 #3; Appendix C, p 118-119 #4; p 89, 532	⑯b
100	Chen, Xue Dong; Culbert, Elizabeth; Hebert, Vince; Stark, John D.	2010	Mixture effects of the nonylphenyl polyethoxylate, R-11 and the insecticide, imidacloprid on population growth rate and other parameters of the crustacean, Ceriodaphnia dubia.	Ecotoxicol. Environ. Saf., Volume 73, Issue 2, Page 132-137, Publication Year 2010	EPA	#1; Appendix 2-2	⑭
101	Mommaerts, Veerle; Reynders, Sofie; Boulet, Jana; Besard, Linde; Sterk, Guido; Smagghe, Guy.	2010	Risk assessment for side-effects of neonicotinoids against bumblebees with and without impairing foraging behavior.	Ecotoxicology, Volume 19, Issue 1, Page 207-215, Publication Year 2010	EPA EFSA	#1; Chapter 2, p 2-45 (Figure 2-24) #2; p 174, 304 #3; Appendix C, p 203-205 #4; p 90, 534-536	⑯b
102	Tobback, Julie; Mommaerts, Veerle; Vandersmissen, Hans Peter; Smagghe, Guy; Huybrechts, Roger.	2010	Age- and task-dependent foraging gene expression in the bumblebee Bombus terrestris.	Arch. Insect Biochem. Physiol., Volume 76, Issue 1, Page 30-42, Publication Year 2010	EFSA	#4; p 88, 528	⑯b
103	Dubey,S.C., and B. Singh	2010	Seed Treatment and Foliar Application of Insecticides and Fungicides for Management of Cercospora Leaf Spots and Yellow Mosaic of Mungbean (Vigna radiata)	International Journal of Pest Management, Volume 56, 2010 - Issue 4, pages 309-314	EPA	#1; Appendix 2-2	④

104	Eiri,D.M.	2011	Sublethal Doses of the Pesticide Imidacloprid Alter Honey Bee (Apis mellifera) Response Threshold and Navigation, Potentially Affecting Colony Health	UNVIERSITY OF CALIFORNIA, SAN DIEGO, A Thesis submitted in partial satisfaction of the requirements for the degree of Master of Science, in Biology	EPA	#1; Appendix 2-2	査読プロセスのある学術ジャーナルに掲載されていない。
105	Wiest, Laure; Bulete, Audrey; Giroud, Barbara; Fratta, Cedric; Amic, Sophie; Lambert, Olivier; Pouliquen, Herve; Arnaudguilhem, Carine	2011	Multi-residue analysis of 80 environmental contaminants in honeys, honeybees and pollens by one extraction procedure followed by liquid and gas chromatography coupled with mass spectrometric detection	Journal of Chromatography A (2011), 1218(34), 5743-5756	EPA	#2; p 326	海外モニタリング又はその分析法の開発であり、日本における評価に利用できない。
106	Tanner, Gina; Czerwenka, Christoph	2011	LC-MS/MS analysis of neonicotinoid insecticides in honey: Methodology and residue findings in Austrian honeys	Journal of Agricultural and Food Chemistry (2011), 59(23), 12271-12277	EFSA	#4; p 100, 373-374	海外モニタリング又はその分析法の開発であり、日本における評価に利用できない。
107	Pareja, Lucia; Colazzo, Marcos; Perez-Parada, Andres; Niell, Silvina; Carrasco-Letelier, Leonidas; Besil, Natalia; Cesio, Maria Veronica; Heinzen, Horacio	2011	Detection of pesticides in active and depopulated beehives in Uruguay	International Journal of Environmental Research and Public Health (2011), 8, 3844-3858	EFSA	#4; p 32, 87, 321-322	海外モニタリングであり、日本における評価に利用できない。
108	Hoseini, S. A.; Pourmirza, A. A.	2011	Short communication. Evaluation of the efficiency of imidacloprid and Encarsia inaron Walker (Hymenoptera: Aphelinidae) integration to control the whitefly, Trialeurodes vaporariorum Westwood (Homoptera: Aleyrodidae), under greenhouse conditions.	Spanish Journal of Agricultural Research, (SEP 2011) Vol. 9, No. 3, pp. 906-911. ISSN: 1695-971X.	EPA	#1; Chapter 2, p 2-48 (Figure 2-26)	⑯b
109	Ghananand Tiwari; Prasad, C. S.; Lok Nath; Tiwari, G.; Nath, L.	2011	Effect of insecticides, bio-pesticides and botanicals on the population of natural enemies in Brinjal ecosystem.	Vegetos (2011), Volume 24, Number 2, pp. 40-44, 15 refs. ISSN: 0970-4078 Published by: Society for Plant Research, Bareilly	EPA	#1; Appendix 2-2	⑯b
110	Ahmad, Munir; Rafiq, Muhammad; Arif, Muhammad Iqbal; Sayyed, Ali H.	2011	Toxicity of some commonly used insecticides against Coccinella undecimpunctata (Coleoptera: Coccinellidae)	Pakistan Journal of Zoology (2011), 43(6), 1161-1165	EPA	#1; Appendix 2-2	⑯b
111	Paine, T. D. [Reprint Author]; Hanlon, C. C.; Byrne, F. J.	2011	Potential risks of systemic imidacloprid to parasitoid natural enemies of a cerambycid attacking Eucalyptus.	Biological Control, (FEB 2011) Vol. 56, No. 2, pp. 175-178. ISSN: 1049-9644. E-ISSN: 1090-2112.	EFSA	#4; p 32, 87, 325	⑯b
112	Kasiotis, K. M.; Charistos, L.; Emmanouil, N.; Hatjina, F.	2011	Imidacloprid residues on honeybee, honey and pollen from colonies placed on cotton fields.	Mellifera (2011), Volume 11, Number 21/22, pp. 31-32 ISSN: 1302-5821 Published by: Hacettepe University, Harum Conference: Prevention of honeybee colony losses. 7th COLOSS Conference, Belgrade, Serbia, 26-28 August 2011.	EFSA	#4; p 33, 88, 330-331	⑧
113	Churchel, Melissa A.; Hanula, James L.; Berisford, C. Wayne; Vose, James M.; Dalusky, Mark J.	2011	Impact of Imidacloprid for Control of Hemlock Woolly Adelgid on Nearby Aquatic Macroinvertebrate Assemblages.	Southern Journal of Applied Forestry, (FEB 2011) Vol. 35, No. 1, pp. 26-32.	EFSA	#4; p 36, 77, 103, 401	④

114	Jeyalakshmi, T.; Shanmugasundaram, R.; Saravanan, M.; Geetha, S.; Mohan, Sweatha S.; Goparaju, A.; Murthy, P. Balakrishna.	2011	Comparative toxicity of certain insecticides against Apis cerana indica under semi field and laboratory conditions.	Pestology, Volume 35, Issue 12, Page 23-26, Publication Year 2011	EFSA	#3; Appendix C, p 155-157 #4; p 106, 639-643	⑯b
115	Tu, Cong; Wang, Yi; Duan, Wenxia; Hertl, Peter; Tradway, Lane; Brandenburg, Rick; Lee, David; Snell, Mark; Hu, Shuijin	2011	Effects of fungicides and insecticides on feeding behavior and community dynamics of earthworms: Implications for casting control in turfgrass systems.	Applied Soil Ecology, (JAN 2011) Vol. 47, No. 1, pp. 31-36. ISSN: 0929-1393. E-ISSN: 1873-0272.	EPA	#1; Chapter 2, p 2-48 (Figure 2-26)	⑯b
116	Van Timmeren, Steven; Wise, John C.; Vander Voort, Christine; Isaacs, Rufus	2011	Comparison of foliar and soil formulations of neonicotinoid insecticides for control of potato leafhopper, Empoasca fabae (Homoptera: Cicadellidae), in wine grapes	Pest Management Science (2011), 67(5), 560-567	EPA	#1; Chapter 2, p 2-48 (Figure 2-26)	④
117	Arakawa, Toru; Namba, Osamu; Tateishi, Ken	2011	Effects of coadministration of chemical insecticides with nucleopolyhedrovirus SpltNPV on the dietary intake of the common cutworm Spodoptera litura (Lepidoptera: Noctuidae)	Applied Entomology and Zoology (2011), 46(3), 399-405	EPA	#1; Chapter 2, p 2-40 (Figure 2-20)	④
118	Leblanc, Heidi Mk	2011	Single and combined effects of the agricultural insecticides chlorpyrifos, imidacloprid and dimethoate on freshwater insect larvae.	Masters Abstracts International. Vol. 51, no. 03, 99 p. 2011. ISBN: 9780494890899	EPA	#1; Appendix 2-5, p 3	⑧
119	Georgieva,N., I. Nikolova, T. Zhelyazkova, D. Pavlov, and Y. Naydenova	2011	Energy Efficiency of Spring Vetch (Vicia sativa L.) Cultivated for Fresh Biomass	Bulgarian Journal of Agricultural Science, 17 (No 5) 2011, 712-720	EPA	#1; Appendix 2-2	④
120	Sun, Jianning; Jia, Huixian; Zhang, Liang; Xiong, Xiangui.	2011	Degradation dynamic and bioavailability of termite control chemicals.	Zhonghua Weisheng Shachong Yaoxie, Volume 17, Issue 3, Page 177-180, Publication Year 2011	EFSA	#4; p 36, 103, 401	⑲
121	Song, Huailei; Zhou, Ting; Wang, Qiang; Dai, Pingli; Luo, Qihua; Xu, Shufa; Wu, Yanyan.	2011	Effects of sublethal doses of insecticides on olfactory sensitivity of honeybee (Apis mellifera ligustica).	Yingyong Kunchong Xuebao, Volume 48, Issue 3, Page 611-615, Publication Year 2011	EFSA	#4; p 87, 524-525	⑲
122	Leblanc, Heidi M. K.; Culp, Joseph M.; Baird, Donald J.; Alexander, Alexa C.; Cessna, Allan J.	2012	Single Versus Combined Lethal Effects of Three Agricultural Insecticides on Larvae of the Freshwater Insect Chironomus dilutus.	Arch. Environ. Contam. Toxicol., Volume 63, Issue 3, Page 378-390, Publication Year 2012	EPA	#1; Appendix 2-5, p 3	ユスリカ幼虫での試験であるが、96h LC50であること、10日齢幼虫を用いていること、日本で登録されている処方以外の製剤を用いていることから、リスク評価には用いられない
123	Hayasaka, Daisuke; Korenaga, Tomoko; Sanchez-Bayo, Francisco; Goka, Koichi.	2012	Differences in ecological impacts of systemic insecticides with different physicochemical properties on biocenosis of experimental paddy fields.	Ecotoxicology, Volume 21, Issue 1, Page 191-201, Publication Year 2012	EFSA	#4; p 36, 102, 399-400	⑱
124	Byrne, Frank J.; Urena, Anthony A.; Robinson, Lindsay J.; Krieger, Robert I.; Doccola, Joe; Morse, Joseph G.	2012	Evaluation of neonicotinoid, organophosphate and avermectin trunk injections for the management of avocado thrips in California avocado groves	Pest Management Science (2012), 68(5), 811-817	EFSA	#4; p 38, 108, 438-439	⑰

125	Tomasini, Debora; Sampaio, Maicon R. F.; Caldas, Sergiane S.; Buffon, Jaqueline G.; Duarte, Fabio A.; Primel, Ednei G.	2012	Simultaneous determination of pesticides and 5-hydroxymethylfurfural in honey by the modified QuEChERS method and liquid chromatography coupled to tandem mass spectrometry	Talanta (2012), 99, 380-386	EFSA	#4; p 32, 84, 277	海外モニタリング又はその分析法の開発であり、日本における評価に利用できない。
126	Krupke, Christian H.; Hunt, Greg J.; Eitzer, Brian D.; Andino, Gladys; Given, Krispn.	2012	Multiple routes of pesticide exposure for honey bees living near agricultural fields.	PLoS One, Volume 7, Issue 1, Page e29268, Publication Year 2012	EPA EFSA	#2; p 320 #4; p 32, 86, 295-314	⑱(ミツバチ事故)
127	Laycock, Ian; Lenthall, Kate M.; Barratt, Andrew T.; Cresswell, James E.	2012	Effects of imidacloprid, a neonicotinoid pesticide, on reproduction in worker bumble bees (Bombus terrestris).	Ecotoxicology, Volume 21, Issue 7, Page 1937-1945, Publication Year 2012	EPA EFSA	#2; p 175, 304 #3; Appendix C, p 186 #4; p 84, 503	⑯b
128	Tome, Hudson Vaner V. [Reprint Author]; Martins, Gustavo F.; Lima, Maria Augusta P.; Campos, Lucio Antonio O.; Guedes, Raul Narciso C.	2012	Imidacloprid -Induced Impairment of Mushroom Bodies and Behavior of the Native Stingless Bee Melipona quadrifasciata anthidioides.	PLoS One, (JUN 4 2012) Vol. 7, No. 6, pp. Article No.: e38406. ISSN: 1932-6203. E-ISSN: 1932-6203.	EPA EFSA	#1; Chapter 2, p 2-45 (Figure 2-24) #2; p 324 #3; Appendix C, p 334-335 #4; p 85, 506-507	⑯b
129	Varenhorst A J; Oneal M E	2012	The response of natural enemies to selective insecticides applied to soybean.	Environmental entomology, (2012 Dec) Vol. 41, No. 6, pp. 1565-74.	EPA	#1; Appendix 2-2	⑯b
130	Halappa, B.; Awaknavar, J. S.; Archana, D.	2012	Toxicity of different insecticides to Trichogramma chilonis Ishii (Trichogrammitidae: Hymenoptera) under laboratory condition.	Research on Crops (2012), Volume 13, Number 2, pp. 652-655, 16 refs. ISSN: 0972-3226 Published by: Gaurav Society of Agricultural Research Information Centre, Hisar	EPA	#1; Appendix 2-2	⑯b
131	Khani, A.; Ahmadi, F.; Ghadamyari, M.	2012	Side effects of imidacloprid and abamectin on the mealybug destroyer, Cryptolaemus montrouzieri.	Trakia Journal of Sciences (2012), Volume 10, Number 3, pp. 30-35, 23 refs. ISSN: 1313-7050 Published by: Trakia University, Stara Zagora	EPA	#1; Appendix 2-2	⑯b
132	Johnson, Josephine.	2012	The role of pesticides on honey bee health and hive maintenance with an emphasis on the neonicotinoid, imidacloprid.	Dissertation submitted to the Faculty of the Graduate School of the University of Maryland, Baltimore in partial fulfillment Of the requirements for the degree of Doctor of Philosophy, 2012	EPA	#1; Appendix 2-2	学位論文であり、査読付き雑誌への投稿論文ではない。
133	Cerna, Ernesto; Ail, Carlos; Landeros, Jeronimo; Sanchez, Sergio; Badii, Mohammad; Aguirre, Luis; Ochoa, Yisa [Reprint Author]	2012	COMPARISON OF TOXICITY AND SELECTIVITY OF THE PEST Bactericera cockerelli AND ITS PREDATOR Chrysoperla carnea.	Agrociencia, (NOV-DEC 2012) Vol. 46, No. 8, pp. 783-793. ISSN: 1405-3195.	EPA	#1; Appendix 2-2	⑯b

134	Pochi, D.; Biocca, M.; Fanigliulo, R.; Gallo, P.; Pulcini, P.	2012	Development and testing of innovative devices to reduce the drift of abrasion powder during the sowing of dressed seeds with pneumatic drills.	Power and Machinery. International Conference of Agricultural Engineering - CIGR-AgEng 2012: agriculture and engineering for a healthier life, Valencia, Spain, 8-12 July 2012 (2012), pp. P-0855, 8 refs. Published by: CIGR-EurAgEng, Valencia Conference: Power and Machinery. International Conference of Agricultural Engineering - CIGR-AgEng 2012: agriculture and engineering for a healthier life, Valencia, Spain, 8-12 July 2012.	EFSA	#3; Appendix C, p 236 #4; p 32, 86, 314-317	⑧
135	Fontana, P.; Malagnini, V.; Sartori, O.; Tolotti, G.; Angeli, G.; Ioriatti, C. Editor(S): Cristofaro, A. De; Palma, A. Di; Escudero-Colomar, L. A.; Ioriatti, C.; Molinari, F.	2012	Short and long term side-effects on honeybees of imidacloprid in apple orchards.	IOBC/WPRS Bulletin (2012), Volume 74, 62 p. Published by: International Organization for Biological and Integrated Control of Noxious Animals and Plants (OIBC/OILB), West Palaearctic Regional Section (WPRS/SROP), Dijon Conference: Proceedings of the IOBC/	EFSA	#4; p 86, 519	⑧
136	Johnson, Josephine; Pettis, Jeffery.	2012	Survey of imidacloprid levels in water sources frequented by honey bees (Apis mellifera) in Maryland.	Abstracts of Papers, 244th ACS National Meeting and Exposition, Philadelphia, PA, United States, August 19-23, 2012, Page AGRO-281, Publication Year 2012	EFSA	#4; p 32, 84, 277	⑧
137	Osterberg, Joshua S.; Darnell, Kelly M.; Blickley, T. Michelle; Romano, Jocelyn A.; Rittschof, Dan.	2012	Acute toxicity and sub-lethal effects of common pesticides in post-larval and juvenile blue crabs, Callinectes sapidus.	J. Exp. Mar. Biol. Ecol., Volume 424-425, Page 5-14, Publication Year 2012	EPA	#1; Appendix 2-3, p 16-17	⑯b
138	Wang, Yanhua; Cang, Tao; Zhao, Xueping; Yu, Ruixian; Chen, Liping; Wu, Changxing; Wang, Qiang	2012	Comparative acute toxicity of twenty-four insecticides to earthworm, Eisenia fetida	Ecotoxicology and Environmental Safety (2012), 79, 122-128	EPA	#1; Chapter 2, p 2-48 (Figure 2-26)	⑯b
139	Sun, Xinyou; Van Der Valk, Harold; Jiang, Hui; Wang, Xiaojun; Yuan, Shankui; Zhang, Yan; Roessink, Ivo; Gao, Xiwu.	2012	Development of a standard acute dietary toxicity test for the silkworm (Bombyx mori L.).	Crop Prot., Volume 42, Page 260-267, Publication Year 2012	EPA	#1; Appendix 2-6, p 3, 5	⑯b
140	Mandal, S. K.	2012	Bio-efficacy of cyazypyr 10 percent OD, a new anthranilic diamide insecticide, against the insect pests of tomato and its impact on natural enemies and crop health.	Acta Phytopathol. Entomol. Hung., Volume 47, Issue 2, Page 233-249, Publication Year 2012	EPA	#1; Appendix 2-2	⑯b
141	Cang Tao; Wang Yanhua; Yu Ruixian; Wu Changxing; Chen Liping; Wu Shenggan; Zhao Xueping; Cang, T.; Wang, Y. H.; Yu, R. X.; Wu, C. X.; Chen, L. P.; Wu, S. G.; Zhao, X. P.	2012	The acute toxicity and risk assessment of 25 pesticides used in nectar plant to Apis mellifera L.	Acta Agriculturae Zhejiangensis (2012), Volume 24, Number 5, pp. 853-859, 19 refs. ISSN: 1004-1524 Published by: Zhejiang Academy of Agricultural Sciences, Hangzhou	EFSA	#3; Appendix C, p 47-48 #4; p 86, 518	⑲
142	Whitehorn, Penelope R.; Oconnor, Stephanie; Wackers, Felix L.; Goulson, Dave	2012	Neonicotinoid Pesticide Reduces Bumble Bee Colony Growth and Queen Production	Science (Washington, DC, United States) (2012), 336(6079), 351-352	EPA EFSA	#2; p 179, 304 #4; p 22, 85, 220, 512	⑯b

143	Nanthakumar,M., V.J. Lakshmi, V.S. Bhushan, S.M. Balachandran, and M. Mohan	2012	Decrease of Rice Plant Resistance and Induction of Hormesis and Carboxylesterase Titre in Brown Planthopper, Nilaparvata lugens (Stal) by Xenobiotics	Pesticide Biochemistry and Physiology, Volume 102, Issue 2, February 2012, Pages 146-152	EPA	#1; Appendix 2-2	④
144	Ilieva,A., and V. Vasileva	2012	Effect of Presowing Treatment of Seeds with Insecticides on Parameters Related to Nodulation and Nitrate Reduction in Soybean [Glycine max (L.) Merr.]	Journal of Central European Agriculture, 2014, 15(2), p23-32	EPA	#1; Appendix 2-2	④
145	Kammon,A.M., R.S. Brar, H.S. Banga, and S. Sodhi	2012	Ameliorating Effects of Vitamin E and Selenium on Immunological Alterations Induced by Imidacloprid and Chronic Toxicity in Chickens	J Environ Anal Toxicol 2012, S:4	EPA	#1; Appendix 2-2	⑱
146	Doccola, Joseph J. [Reprint Author]; Hascher, William; Aiken, John Joseph; Wild, Peter M.	2012	Treatment Strategies Using Imidacloprid in Hemlock Woolly Adelgid (Adelges tsugae Annand) Infested Eastern Hemlock (Tsuga canadensis Carriere) Trees.	Arboriculture and Urban Forestry, (MAR 2012) Vol. 38, No. 2, pp. 41-49. ISSN: 1935-5297.	EPA	#1; Appendix 2-2	④
147	Matsumura, F. (Reprint) Matsumura, F. (Reprint) Ahmed, M. A. I.	2012	Synergistic Actions of Formamidine Insecticides on the Activity of Pyrethroids and Neonicotinoids Against Aedes aegypti (Diptera: Culicidae)	JOURNAL OF MEDICAL ENTOMOLOGY, (NOV 2012) Vol. 49, No. 6, pp. 1405-1410. ISSN: 0022-2585.	EPA	#1; Appendix 2-5, p 4	⑯b
148	Hussain, Dilbar; Ali, Amjad; Mushtaq-Ul-Hassan, Muhammad; Ali, Saira; Saleem, Muhammad; Nadeem, Sajid	2012	Evaluation of toxicity of some new insecticides against egg parasitoid Trichogramma chilonis (Ishii) (Hymenoptera: Trichogrammitidae)	Pakistan Journal of Zoology (2012), 44(4), 1123-1127	EPA	#1; Appendix 2-2	⑯b
149	Yilmaz, Canan; Durmusoglu, Enver	2012	Changes on biological effect and degration duration of some insecticides mixed with humic matter used against Trialeurodes vaporariorum (Westw.) (Hemiptera: Aleyrodidae)] on tomato. Original Title: Domateste zararli Trialeurodes vaporariorum (Westw.) (Hem	Turkiye Entomoloji Dergisi, (2012) Vol. 36, No. 4, pp. 557-570. ISSN: 1010-6960.	EFSA	#4; p 36, 77, 102, 398	⑲
150	Martini, L. F. D.; Avila, L. A.; Cassol, G. V.; Zanella, R.; Machado, S. L. O.; Marques, M. S.; Vicari, M. De; De Vicari, M.	2012	Pesticide transport in rice field under three irrigation managements. Transporte de agrotoxicos em lavoura de arroz irrigado sob tres manejos de irrigacao.	Planta Daninha (2012), Volume 30, Number 4, pp. 799-808, 27 refs. ISSN: 0100-8358 DOI: 10.1590/S0100-83582012000400014 Published by: Sociedade Brasileira da Ciencia das Plantas Daninhas, Vicosa	EFSA	#4; p 35, 102, 391	⑲
151	Roessink, Ivo; Merga, Lemessa B.; Zweers, Hans J.; Van Den Brink, Paul J.	2013	The neonicotinoid imidacloprid shows high chronic toxicity to mayfly nymphs.	Environ. Toxicol. Chem., Volume 32, Issue 5, Page 1096-1100, Publication Year 2013	EPA	#1; Appendix 2-5, p 3-4	⑭ Gammarus pulexを用いており推奨種と異なる。
152	Bryden, J.; Gill, R. J.; Mitton, R. A. A.; Raine, N. E.; Jansen, V. A. A.	2013	Chronic sublethal stress causes bee colony failure.	Ecology Letters (2013), Volume 16, Number 12, pp. 1463-1469, 50 refs. ISSN: 1461-023X Published by: Wiley-Blackwell, Oxford	EPA EFSA	#2; p 177, 304 #3; Appendix C, p 45-46 #4; p 80, 470	⑯b

153	Barganska, Zaneta; Slebioda, Marek; Namiesnik, Jacek	2013	Pesticide residues levels in honey from apiaries located of Northern Poland	Food Control (2013), 31(1), 196-201	EFSA	#3; Appendix C, p 27 #4; p 35, 100, 373	海外モニタリングであり、日本における評価に利用できない。
154	Yanez, Karen P.; Bernal, Jose L.; Nozal, Maria J.; Martin, Maria T.; Bernal, Jose	2013	Determination of seven neonicotinoid insecticides in beeswax by liquid chromatography coupled to electrospray-mass spectrometry using a fused-core column	Journal of Chromatography A (2013), 1285, 110-117	EFSA	#4; p 31, 83, 274	海外モニタリング又はその分析法の開発であり、日本における評価に利用できない。
155	Stoner, Kimberly A.; Eitzer, Brian D.	2013	Using a Hazard Quotient to evaluate pesticide residues detected in pollen trapped from honey bees (Apis mellifera) in Connecticut	PLoS One (2013), 8(10), e77550	EPA EFSA	#2; p 126, 306 #3; Appendix C, p 318-319 #4; p 31, 81, 272	海外モニタリングであり、日本における評価に利用できない。
156	Yanez, Karen P.; Bernal, Jose L.; Nozal, Maria J.; Martin, Maria T.; Bernal, Jose	2013	Fast determination of imidacloprid in beeswax by liquid chromatography coupled to electrospray-mass spectrometry	Current Analytical Chemistry (2013), 9(3), 495-503	EFSA	#4; p 31, 82, 273	海外モニタリング又はその分析法の開発であり、日本における評価に利用できない。
157	Chen, Mei; Collins, Erin M.; Tao, Lin; Lu, Chensheng	2013	Simultaneous determination of residues in pollen and high-fructose corn syrup from eight neonicotinoid insecticides by liquid chromatography-tandem mass spectrometry	Analytical and Bioanalytical Chemistry (2013), 405(28), 9251-9264	EFSA	#4; p 31, 81, 253	海外モニタリング又はその分析法の開発であり、日本における評価に利用できない。
158	Jovanov, Pavle; Guzsvany, Valeria; Franko, Mladen; Lazic, Sanja; Sakac, Marijana; Saric, Bojana; Banjac, Vojislav	2013	Multi-residue method for determination of selected neonicotinoid insecticides in honey using optimized dispersive liquid-liquid microextraction combined with liquid chromatography-tandem mass spectrometry	Talanta (2013), 111, 125-133	EFSA	#4; p 35, 100, 372	海外モニタリング又はその分析法の開発であり、日本における評価に利用できない。
159	Tapparo, Andrea; Giorio, Chiara; Solda, Lidia; Bogialli, Sara; Marton, Daniele; Marzaro, Matteo; Girolami, Vincenzo	2013	UHPLC-DAD method for the determination of neonicotinoid insecticides in single bees and its relevance in honeybee colony loss investigations	Analytical and Bioanalytical Chemistry (2013), 405(2-3), 1007-1014	EFSA	#3; Appendix C, p 325 #4; p 32, 83, 276-277	海外モニタリング又はその分析法の開発であり、日本における評価に利用できない。
160	Campillo, Natalia; Vinas, Pilar; Ferez-Melgarejo, Gema; Hernandez-Cordoba, Manuel	2013	Liquid chromatography with diode array detection and tandem mass spectrometry for the determination of neonicotinoid insecticides in honey samples using dispersive liquid-liquid microextraction	Journal of Agricultural and Food Chemistry (2013), 61(20), 4799-4805	EFSA	#4; p 100, 373	海外モニタリングであり、日本における評価に利用できない。
161	Alves, Paulo Roger L.; Cardoso, Elke J. B. N.; Martines, Alexandre M.; Sousa, Jose Paulo; Pasini, Amarildo.	2013	Earthworm ecotoxicological assessments of pesticides used to treat seeds under tropical conditions.	Chemosphere, Volume 90, Issue 11, Page 2674-2682, Publication Year 2013	EPA	#1; Chapter 2, p 2-47 (Figure 2-25)	⑯b
162	Boily, Monique; Sarrasin, Benoit; Deblois, Christian; Aras, Philippe; Chagnon, Madeleine	2013	Acetylcholinesterase in honey bees (Apis mellifera) exposed to neonicotinoids, atrazine and glyphosate: laboratory and field experiments	Environmental Science and Pollution Research (2013), 20(8), 5603-5614	EPA EFSA	#2; p 145 #4; p 82, 481-482	⑭

163	Ramasubramanian, Thirumalaiandi	2013	Persistence and Dissipation Kinetics of Clothianidin in the Soil of Tropical Sugarcane Ecosystem	Water, Air, and Soil Pollution (2013), 224(3), 1-5	EFSA	#3; Appendix C, p 247 #4; p 38, 107, 437	①
164	Giroud, Barbara; Vauchez, Antoine; Vulliet, Emmanuelle; Wiest, Laure; Bulete, Audrey	2013	Trace level determination of pyrethroid and neonicotinoid insecticides in beebread using acetonitrile-based extraction followed by analysis with ultra-high-performance liquid chromatography-tandem mass spectrometry	Journal of Chromatography A (2013), 1316, 53-61	EFSA	#4; p 31, 81, 252-253	⑤ ⑰
165	Wilson, Daniel E.; Velarde, Rodrigo A.; Fahrbach, Susan E.; Mommaerts, Veerle; Smagghe, Guy.	2013	USE OF PRIMARY CULTURES OF KENYON CELLS FROM BUMBLEBEE BRAINS TO ASSESS PESTICIDE SIDE EFFECTS.	Arch. Insect Biochem. Physiol., Volume 84, Issue 1, Page 43-56, Publication Year 2013	EPA EFSA	#1; Appendix 2-2 #4; p 81, 480	⑯b
166	Gradila, M.	2013	Chronic aspects of imidacloprid on the fishes from Cyprinidae family.	Romanian Journal for Plant Protection (2013), Volume 6, pp. 11-15, 7 refs. Published by: Research Development Institute for Plant Protection, Bucharest	EPA	#1; Chapter 2, p 2-13 (Figure 2-1); Appendix 2-3, p 5	⑭ #1では「Study did not provide sufficient information on materials and methods to validate and confirm the process used. Imidacloprid source was not identified.」のためinvalidとしている。
167	Biddinger, David J.; Robertson, Jacqueline L.; Mullin, Chris; Frazier, James; Ashcraft, Sara A.; Rajotte, Edwin G.; Joshi, Neelendra K.; Vaughn, Mace.	2013	Comparative toxicities and synergism of apple orchard pesticides to Apis mellifera (L.) and Osmia cornifrons (Radoszkowski).	PLoS One, Volume 8, Issue 9, Page e72587, Publication Year 2013	EPA EFSA	#1; Appendix 2-6, p 3-4 #2; p 134, 136 #3; Appendix C, p 32-33 #4; p 81, 478	⑭
168	SA Argolo, Poliane; Banyuls, Nuria; Santiago, Sandra; Molla, Oscar; Jacas, Josep A.; Urbaneja, Alberto	2013	Compatibility of Phytoseiulus persimilis and Neoseiulus californicus (Acari: Phytoseiidae) with imidacloprid to manage clementine nursery pests	Crop Protection (2013), 43, 175-182	EPA	#1; Appendix 2-2	⑯b
169	Nadaf, H. A.; Yadav, G. S.; Kaushik, H. D.; Sharma, S. K.	2013	Toxicity of new molecules of insecticides against honeybee, Apis mellifera L.	Trends in Biosciences (2013) , Volume 6, Number 4, pp. 445-447 ISSN: 0974-8431 Published by: Society for Advancement of Science and Rural Development, Kalyanpur	EFSA	#3; Appendix C, p 207-208	⑭
170	Laycock, Ian; Cresswell, James E.	2013	Repression and recuperation of brood production in Bombus terrestris bumble bees exposed to a pulse of the neonicotinoid pesticide imidacloprid	PLoS One (2013), 8(11), e79872	EPA EFSA	#1; Appendix 2-2 #4; p 81, 473-476	⑯b
171	Laurino, Daniela (Reprint); Manino, Aulo; Patetta, Augusto; Porporato, Marco	2013	Toxicity of neonicotinoid insecticides on different honey bee genotypes	BULLETIN OF INSECTOLOGY, (JUN 2013) Vol. 66, No. 1, pp. 119-126. ISSN: 1721-8861.	EPA EFSA	#1; Chapter 2, p 2-45 (Figure 2-24) #2; p 141 #4; p 82, 487-489	⑭

172	Frew, John A.	2013	Environmental and Systemic Exposure Assessment for Green Sturgeon Following Application of Imidacloprid for the Control of Burrowing Shrimp in Willapa Bay, Washington	(2013) 96 pp. Avail.: UMI, Order No. AAI3608928 From: Diss. Abstr. Int., B 2014, 75(5E), No pp. given	EPA	#1; Chapter 2, p 2-13 (Figure 2-1); Appendix 2-3, p 10-11	⑧ ⑭
173	Charles-Tollerup, Jennifer Jean	2013	Resource Provisioning as a Habitat Manipulation Tactic to Enhance the Aphid Parasitoid, Aphidius colemani Viereck (Hymenoptera: Braconidae: Aphidiinae), and the Plant-Mediated Effects of a Systemic Insecticide, Imidacloprid	(2013) 150 pp. Avail.: UMI, Order No. AAI3559920 From: Diss. Abstr. Int., B 2014, 74(8E), No pp. given	EPA	#1; Chapter 2, p 2-40 (Figure 2-20)	⑯b
174	Ramanuj Vishwakarma; Ghatak, S. S.; Vishwakarma, R.	2013	Relative toxicity of plant products and entomopathogenic fungi against honeybee.	Annals of Plant Protection Sciences (2013), Volume 21, Number 2, pp. 453-455, 4 refs. ISSN: 0971-3573 Published by: Society of Plant Protection Sciences, New Delhi	EFSA	#4; p 83, 494-495	⑭
175	Georgieva,N., I. Nikolova, and G. Delchev	2013	Stability Evaluation of Mixtures among Preparations with Different Biological Effect on Basis of Grain Yield in Spring Forage Pea	Banat s Journal of Biotechnology IV(7):101-107	EPA	#1; Appendix 2-2	④
176	Lorenzana, A. (Reprint) Lorenzana, A. (Reprint); Seco, M. V.; Casquero, P. A. Hermoso-De-Mendoza, A.	2013	Population dynamics and integrated control of the damson-hop aphid Phorodon humuli (Schrank) on hops in Spain	SPANISH JOURNAL OF AGRICULTURAL RESEARCH, (JUN 2013) Vol. 11, No. 2, pp. 505-517. ISSN: 1695-971X.	EPA	#1; Appendix 2-2	④
177	Al-Ahmadi, Mona S.	2013	Cytogenetic effects of two synthetic pesticides on mitotic chromosome on root tip cells of Allium cepa	Cytologia (2013), 78(1), 3-8	EPA	#1; Appendix 2-2	⑯b
178	Aziz, M. A.; Munir Ahmad; Nasir, M. F.; Muhammad Naeem	2013	Efficacy of different neem (Azadirachta indica) products in comparison with imidacloprid against English grain aphid (Sitobion avenae) on wheat.	International Journal of Agriculture and Biology (2013), Volume 15, Number 2, pp. 279-284, 38 refs. ISSN: 1560-8530 Published by: Friends Science	EPA	#1; Appendix 2-2	④
179	Feltham, Hannah; Park, Kirsty; Goulson, Dave	2014	Field realistic doses of pesticide imidacloprid reduce bumblebee pollen foraging efficiency	Ecotoxicology (2014) Ahead of Print	EPA EFSA	#1; Appendix 2-2 #2; p 180, 304 #3; Appendix C, p 98-99 #4; p 79, 460	⑯b
180	Kasiotis, Konstantinos M.; Anagnostopoulos, Chris; Anastasiadou, Pelagia; Machera, Kyriaki	2014	Pesticide residues in honeybees, honey and bee pollen by LC-MS/MS screening: Reported death incidents in honeybees	Science of the Total Environment (2014), 485-486, 633-642	EPA EFSA	#2; p 320 #3; Appendix C, p 161 #4; p 31, 79, 242-245	海外モニタリングであり、日本における評価に利用できない。

181	Jovanov, Pavle; Guzsvany, Valeria; Franko, Mladen; Lazic, Sanja; Sakac, Marijana; Milovanovic, Ivan; Nedeljkovic, Natasa	2014	Development of multiresidue DLLME and QuEChERS based LC-MS/MS method for determination of selected neonicotinoid insecticides in honey liqueur	Food Research International (2014), 55, 11-19	EFSA	#4; p 35, 100, 372	海外モニタリング又はその分析法の開発であり、日本における評価に利用できない。
182	Paradis, Delphine; Berail, Geraldine; Bonmatin, Jean-Marc; Belzunces, Luc P.	2014	Sensitive analytical methods for 22 relevant insecticides of 3 chemical families in honey by GC-MS/MS and LC-MS/MS	Analytical and Bioanalytical Chemistry (2014), 406(2), 621-633	EFSA	#4; p 31, 80, 252	海外モニタリング又はその分析法の開発であり、日本における評価に利用できない。
183	Cardone, Anna	2014	Imidacloprid induces morphological and molecular damages on testis of lizard (Podarcis sicula)	Ecotoxicology (2014) Ahead of Print	EPA	#1; Appendix 2-3, p 45	⑯b
184	Scholer, Jamison; Krischik, Vera	2014	Chronic exposure of imidacloprid and clothianidin reduce queen survival, foraging, and nectar storing in colonies of Bombus impatiens	PLoS One (2014), 9(3), e91573/1-e91573/14, 14 pp.	EFSA	#3; Appendix C, p 288 #4; p 31, 79, 247-248, 464-466	⑯b
185	Qadir, Shazia; Latif, Abdul; Ali, Muhammad; Iqbal, Furhan	2014	Effects of imidacloprid on the hematological and serum biochemical profile of Labeo rohita	Pakistan Journal of Zoology (2014), 46(4), 1085-1090	EPA	#1; Chapter 2, p 2-13 (Figure 2-1)	適切に評価できる試験系で実施されていない。
186	Ruiz De Arcaute, C.; Perez-Iglesias, J. M.; Nikoloff, N.; Natale, G. S.; Soloneski, S.; Larramendy, M. L.	2014	Genotoxicity evaluation of the insecticide imidacloprid on circulating blood cells of Montevideo tree frog Hypsiboas pulchellus tadpoles (Anura, Hylidae) by comet and micronucleus bioassays	Ecological Indicators (2014) Ahead of Print	EPA	#1; Chapter 2, p 2-15 (Figure 2-3)	⑯b
187	Gill, R. J.; Raine, N. E.	2014	Chronic impairment of bumblebee natural foraging behaviour induced by sublethal pesticide exposure .	Functional Ecology (2014) , Volume 28, Number 6, pp. 1459-1471 ISSN: 0269-8463 Published by: Wiley-Blackwell, Oxford	EPA EFSA	#2; p 171, 178, 184, 185, 304 #3; Appendix C, p 109	⑯b
188	Tome, Hudson Vaner V.; Barbosa, Wagner F.; Martins, Gustavo F.; Guedes, Raul Narciso C.	2014	Spinosad in the native stingless bee Melipona quadrifasciata: Regrettable non - target toxicity of a bioinsecticide	Chemosphere (2014) Ahead of Print	EPA EFSA	#2; p 137 #3; Appendix C, p 334	⑭
189	-	2014	Pesticide risk assessment in free-ranging bees is weather and landscape dependent	EFSA Journal (2014) , Volume 12, Number 7, 3741 p., 10 refs. ISSN: 1831-4732 Published by: European Food Safety Authority, Parma	EFSA	#3; Appendix C, p 138	⑧
190	Ko, Ah-Young; Rahman, Md. Musfiqur; Abd El-Aty, A. M.; Jang, Jin; Park, Jong-Hyouk; Cho, Soon-Kil; Shim, Jae-Han	2014	Development of a simple extraction and oxidation procedure for the residue analysis of imidacloprid and its metabolites in lettuce using gas chromatography	Food Chemistry (2014), 148, 402-409	EFSA	#4; p 31, 76, 79, 245	⑤
191	Huseth, Anders S.; Lindholm, Joliene; Groves, Carol L.; Groves, Russell L.	2014	Variable concentration of soil-applied insecticides in potato over time: implications for management of Leptinotarsa decemlineata	Pest Management Science (2014) Ahead of Print	EFSA	#4; p 38, 107, 433-436	④

192	Yanez, K. P.; Martin, M. T.; Bernal, J. L.; Nozal, M. J.; Bernal, J.	2014	Trace analysis of seven neonicotinoid insecticides in bee pollen by solid-liquid extraction and liquid chromatography coupled to electrospray ionization mass spectrometry.	Food Analytical Methods (2014), Volume 7, Number 2, pp. 490-499, 35 refs. ISSN: 1936-9751 DOI: 10.1007/s12161-013-9710-9 Published by: Springer, New York	EFSA	#4; p 31, 80, 252	⑤ ⑰
193	Polk, T. J. [Reprint Author]; Bowers, C.; Cakmak I; Hranitz, J. M.	2014	The effect of imidacloprid on sucrose sensitivity of the honey bee proboscis extension reflex.	Integrative and Comparative Biology, (2014) Vol. 54, No. Suppl. 1, pp. E332. Meeting Info.: Annual Meeting of the Society-for-Integrative-and-Comparative-Biology. Austin, TX, USA. January 03 -07, 2014. Soc Integrat and Co	EFSA	#4; p 76, 80, 469	⑧
194	Levinson, B. M. [Reprint Author]; Blatzheim, L.; Bower, C. D.; Polk, T.; Lu, Ikizo D.; Karahn, A.; Gune, N.; Cakmak I; Wells, H.; Hranitz, J. M.	2014	The neonicotinoid pesticide imidacloprid affects motor responses in honey bees .	Integrative and Comparative Biology, (2014) Vol. 54, No. Suppl. 1, pp. E306. Meeting Info.: Annual Meeting of the Society-for-Integrative-and-Comparative-Biology. Austin, TX, USA. January 03 -07, 2014. Soc Integrat and Co	EFSA	#4; p 76, 80, 469	⑧
195	Laycock, Ian; Cotterell, Katie C.; O Shea-Wheller, Thomas A.; Cresswell, James E.	2014	Effects of the neonicotinoid pesticide thiamethoxam at field-realistic levels on microcolonies of Bombus terrestris worker bumble bees	Ecotoxicology and Environmental Safety (2014), 100, 153-158	EFSA	#4; p 80, 467-468	⑯b
196	Yu, Caihong; Lin, Ronghua; Fu, Maoran; Zhou, Yanming; Zong, Fulin; Jiang, Hui; Lv, Ning; Piao, Xiuying; Zhang, Jia; Liu, Yongquan; Brock, Theo C. M.	2014	Impact of imidacloprid on life-cycle development of Coccinella septempunctata in laboratory microcosms	Ecotoxicology and Environmental Safety (2014) Ahead of Print	EPA	#1; Chapter 2, p 2-48 (Figure 2-26)	⑯b
197	Perez-Iglesias, J. M.; Ruiz De Arcaute, C.; Nikoloff, N.; Dury, L.; Soloneski, S.; Natale, G. S.; Larramendy, M. L.	2014	The genotoxic effects of the imidacloprid - based insecticide formulation Glacoxan Imida on Montevideo tree frog Hypsiboas pulchellus tadpoles (Anura, Hylidae)	Ecotoxicology and Environmental Safety (2014), 104, 120-126	EPA	#1; Chapter 2, p 2-10, p 2-15 (Figure 2-3), p 2-16 (Figure 2-4); Appendix 2-3, p 21-22	⑯b
198	Wu Yan-Yan; Zhou Ting [Reprint Author]; Wubie, Abebe Jenberie; Wang Qiang; Dai Ping-Li; Jia Hui-Ru	2014	Apoptosis in the nerve cells of adult honeybee (Apis mellifera ligustica) brain induced by imidacloprid .	Acta Entomologica Sinica, (FEB 20 2014) Vol. 57, No. 2, pp. 194-203.	EFSA	#4; p 80, 468	⑲
199	Khan Azhar A; Afzal Muhammad; Qureshi Jawwad A; Khan Arif M; Raza Abubakar M	2014	Botanicals, selective insecticides and predators to control Diaphorina citri (Hemiptera: Liviidae) in citrus orchards.	Insect science, (2014 Sep 10) . Electronic Publication Date: 10 Sep 2014	EPA	#1; Appendix 2-2	⑯b
200	Navarro, P. D.; Mcmullen, J. G. II; Stock, S. P.	2014	EFFECT OF DINOTEFURAN, INDOXACARB, AND IMIDACLOPRID ON SURVIVAL AND FITNESS OF TWO ARIZONA-NATIVE ENTOMOPATHOGENIC NEMATODES AGAINST HELICOVERPA ZEA (LEPIDOPTERA: NOCTUIDAE).	Nematropica, (JUN 2014) Vol. 44, No. 1, pp. 64-73.	EPA	#1; Chapter 2, p 2-48 (Figure 2-26)	④

201	Thompson, Helen M.; Wilkins, Selwyn; Harkin, Sarah; Milner, Sarah; Walters, Keith Fa	2014	Neonicotinoids and bumblebees (Bombus terrestris): effects on nectar consumption in individual workers	Pest Management Science (2014) Ahead of Print	EPA EFSA	#2; p 142 #3; Appendix C, p 332-333	⑯b
202	Rehan, Adeel; Freed, Shoaib	2014	Resistance selection, mechanism and stability of Spodoptera litura (Lepidoptera: Noctuidae) to methoxyfenozide	Pesticide Biochemistry and Physiology (2014), 110, 7-12	EPA	#1; Chapter 2, p 2-21 (Figure 2-7)	④
203	Kalajahi, Manigheh Jamshidi; Ganbalani, Gadir Nouri; Kazemi, Mohammad H.; Shojai, Mahmood; Imani, Sohrab	2014	Investigation of sex ratio and adult longevity of Habrobracon hebetor Say in relation to some conventional and biorational insecticides	Archives of Phytopathology and Plant Protection (2014), 47(7), 852-856	EPA	#1; Appendix 2-2	⑯b
204	Shakir, Shakirullah Khan; Kanwal, Memoona; Murad, Waheed; Zia Ur Rehman; Shafiq Ur Rehman; Daud, M. K.; Azizullah, Azizullah	2015	Effect of some commonly used pesticides on seed germination, biomass production and photosynthetic pigments in tomato (Lycopersicon esculentum)	Ecotoxicology (2015) Ahead of Print	EPA	#1; Appendix 2-3, p 40-41	トマトに対する影響
205	Tufi, Sara; Stel, Jente M; De Boer, Jacob; Lamoree, Marja H; Leonards, Pim E G	2015	Metabolomics to Explore Imidacloprid - Induced Toxicity in the Central Nervous System of the Freshwater Snail Lymnaea stagnalis	Environmental Science and Technology [Environ. Sci. Technol.]. Vol. 49, no. 24, 14529 p. Dec 2015. ISSN: 0013-936X Published by: American Chemical Society, 1155 16th St., NW Washington DC 20036 United States	EPA	#1; Appendix 2-2	⑯b
206	Dani,V.	2015	Understanding Earthworm Sub-Lethal Responses to Atrazine and Imidacloprid Using 1H NMR Metabolomics	A thesis submitted in conformity with the requirements for the degree of Master of Science Graduate Department of Chemistry University of Toronto	EPA	#1; Appendix 2-2	査読プロセスのある学術ジャーナルに掲載されていない。
207	Chevalier, J.; Harscoet, E.; Keller, M.; Pandard, P.; Cachot, J.; Grote, M.	2015	Exploration of Daphnia behavioral effect profiles induced by a broad range of toxicants with different modes of action	Environmental Toxicology and Chemistry, (2015) Vol. 34, Issue 8, pp. 1760-1769	EPA	#1; Appendix 2-5, p 5	⑮
208	Frew John A; Grue Christian E	2015	Assessing the risk to green sturgeon from application of imidacloprid to control burrowing shrimp in Willapa Bay, Washington. II: Controlled exposure studies.	Environmental toxicology and chemistry / SETAC, (2015 Sep 8) . Electronic Publication Date: 8 Sep 2015	EPA	#1; Chapter 2, p 2-13 (Figure 2-1)	海外におけるチョウザメの暴露評価であり、リスク評価に利用できない。
209	Codling Garry; Al Naggar Yahya; Giesy John P; Robertson Albert J	2015	Concentrations of neonicotinoid insecticides in honey, pollen and honey bees (Apis mellifera L.) in central Saskatchewan, Canada.	Chemosphere, (2015 Nov 19) Vol. 144, pp. 2321-2328. Electronic Publication Date: 19 Nov 2015	EFSA	#3; Appendix C, p 60	海外モニタリングであり、日本における評価に利用できない。
210	Vazquez, P. Parrilla; Lozano, A.; Ucles, S.; Ramos, M. M. Gomez; Fernandez-Alba, A. R.	2015	A sensitive and efficient method for routine pesticide multiresidue analysis in bee pollen samples using gas and liquid chromatography coupled to tandem mass spectrometry	Journal of Chromatography A (2015), 1426, 161-173	EFSA	#3; Appendix C, p 214-215	海外モニタリング又はその分析法の開発であり、日本における評価に利用できない。
211	David, Arthur; Botias, Cristina; Abdul-Sada, Alaa; Goulson, Dave; Hill, Elizabeth M.	2015	Sensitive determination of mixtures of neonicotinoid and fungicide residues in pollen and single bumblebees using a scaled down QuEChERS method for exposure assessment	Analytical and Bioanalytical Chemistry (2015), 407(26), 8151-8162	EFSA	#3; Appendix C, p 70	海外モニタリング又はその分析法の開発であり、日本における評価に利用できない。

212	Lopez-Fernandez, Olalla; Rial-Otero, Raquel; Simal-Gandara, Jesus	2015	High-throughput HPLC-MS/MS determination of the persistence of neonicotinoid insecticide residues of regulatory interest in dietary bee pollen	Analytical and Bioanalytical Chemistry (2015), 407(23), 7101-7110	EFSA	#3; Appendix C, p 190	海外モニタリング又はその分析法の開発であり、日本における評価に利用できない。
213	Burgess, Edwin R., IV; King, B. H.	2015	Compatibility of the parasitoid wasp Spalangia endius (Hymenoptera: Pteromalidae) and insecticides against Musca domestica (Diptera: Muscidae) as evaluated by a new index	Journal of Economic Entomology (2015), 108(3), 986-992	EPA	#1; Appendix 2-6, p 3	⑯b
214	Frew John A; Sadilek Martin; Grue Christian E	2015	Assessing the risk to green sturgeon from application of imidacloprid to control burrowing shrimp in Willapa Bay, Washington. I: Exposure characterization.	Environmental toxicology and chemistry / SETAC, (2015 Jun 1) . Electronic Publication Date: 1 Jun 2015	EPA	#1; Appendix 2-2	海外におけるチョウザメの暴露評価であり、リスク評価に利用できない。
215	Costa, L. M. (Reprint); Grella, T. C.; Barbosa, R. A.; Malaspina, O.; Nocelli, R. C. F. Costa, L. M. (Reprint) Costa, L. M. (Reprint); Nocelli, R. C. F. Barbosa, R. A.	2015	Determination of acute lethal doses (LD50 and LC50) of imidacloprid for the native bee Melipona scutellaris Latreille, 1811 (Hymenoptera: Apidae)	SOCIOBIOLOGY, (DEC 2015) Vol. 62, No. 4, pp. 578-582. ISSN: 0361-6525.	EPA EFSA	#1; Appendix 2-6, p 3-4 #2; p 134, 136 #3; Appendix C, p 32-33 #4; p 81, 478	⑯b PMRAは「The oral test of the study is considered to be invalid and will not be further considered. Information was not provided allowing estimation of the actual level of exposure. The report did provide the nominal concentrations of imidacloprid test solution, but not how the test solution was provided, neither the volume of test solution fed to the bees nor the duration of feeding.」と評価している
216	Zhang, Zhengqun; Zhang, Xuefeng; Liu, Feng; Mu, Wei [Reprint Author]	2015	Insecticide susceptibility of the green plant bug, Apolygus lucorum Meyer-Dur (Homoptera: Miridae) and two predatory arthropods.	Journal of Plant Protection Research, (DEC 2015) Vol. 55, No. 4, pp. 362-370. ISSN: 1427-4345. E-ISSN: 1899-007X.	EPA	#1; Chapter 2, p 2-48 (Figure 2-26)	⑯b
217	Soares, Hellen Maria; Jacob, Cynthia Renata Oliveira; Carvalho, Stephan Malfitano; Nocelli, Roberta Cornelio Ferreira; Malaspina, Osmar	2015	Toxicity of Imidacloprid to the Stingless Bee Scaptotrigona postica Latreille, 1807 (Hymenoptera: Apidae)	Bulletin of Environmental Contamination and Toxicology (2015) Ahead of Print	EPA	#1; Appendix 2-6, p 3-4	⑯b
218	Tome, H. V. V.; Barbosa, W. F.; Correa, A. S.; Gontijo, L. M.; Martins, G. F.; Guedes, R. N. C.	2015	Reduced-risk insecticides in Neotropical stingless bee species: impact on survival and activity	Annals of Applied Biology (2015), 167(2), 186-196	EPA EFSA	#1; Chapter 2, p 2-45 (Figure 2-24) #3; Appendix C, p 333-334	⑯b
219	GE, Weili; Yan, Saihong; Wang, Jinhua; Zhu, Lusheng; Chen, Aimei; Wang, Jun	2015	Oxidative Stress and DNA Damage Induced by Imidacloprid in Zebrafish (Danio rerio)	Journal of Agricultural and Food Chemistry (2015) Ahead of Print	EPA	#1; Appendix 2-2	⑱(ゼブラフィッシュの酵素への影響)
220	Bori, Jaume; Ribalta, Carla; Domene, Xavier; Riva, Maria Carme; Ribo, Juan Manuel	2015	Environmental impacts of an imidacloprid - containing formulation: from soils to waters	Afinidad (2015), 72(571), 169-176	EPA	#1; Chapter 2, p 2-26 (Figure 2-11), 2-47 (Figure 2-25); Appendix 2-3, p 20	⑲

221	Qadir, S.; Bukhari, R.; Iqbal, F.	2015	Effect of sub lethal concentration of imidacloprid on proximate body composition of Labeo rohita.	Iranian Journal of Fisheries Sciences (2015) , Volume 14, Number 4, pp. 937-945, 20 refs. ISSN: 1562-2916 Published by: Iranian Fisheries Research Organization, Tehran	EPA	#1; Appendix 2-2	適切に評価できる試験系で実施されていない。
222	Zhang, Qingming; Xue, Changhui; Wang, Caixia	2015	Effects of imidacloprid on soil microbial communities in different saline soils	Environmental Science and Pollution Research (2015), 22(24), 19667-19675	EPA	#1; Appendix 2-2	⑯b
223	Sherawat, Sher Muhammad; Butt, Abida; Tahir, Hafiz Muhammad	2015	Effects of pesticides on agrobiont spiders in laboratory and field	Pakistan Journal of Zoology (2015), 47(4), 1089-1095	EPA	#1; Appendix 2-2	⑯b
224	Tang, Liang-De; Qiu, Bao-Li; Cuthbertson, Andrew G. S.; Ren, Shun-Xiang	2015	Status of insecticide resistance and selection for imidacloprid resistance in the ladybird beetle Propylaea japonica (Thunberg)	Pesticide Biochemistry and Physiology (2015), 123, 87-92	EPA	#1; Appendix 2-2	⑯b
225	Turchen L M; Golin V; Butnariu A R; Guedes R N C; Pereira M J B	2015	Lethal and Sublethal Effects of Insecticides on the Egg Parasitoid Telenomus podisi (Hymenoptera: Platygastridae).	Journal of economic entomology, (2015 Sep 9) . Electronic Publication Date: 9 Sep 2015	EPA	#1; Appendix 2-2	⑯b
226	Yu R X; Wang Y H; Hu X Q; Wu S G; Cai L M; Zhao X P	2015	Individual and Joint Acute Toxicities of Selected Insecticides Against Bombyx mori (Lepidoptera: Bombycidae).	Journal of economic entomology, (2015 Nov 6) . Electronic Publication Date: 6 Nov 2015	EPA	#1; Appendix 2-2	⑯b
227	Fonseca E Silva, Fernanda; De Carvalho, Geraldo Andrade	2015	Species, number and frequency of floral visitors in crops submitted to the application of pesticides. Original Title: Especies, numero e frequencia de visitantes florais em culturas agricolas submetidas a aplicacao de produtos fitossanitarios.	Arquivos do Instituto Biologico Sao Paulo, (2015) Vol. 82.	EFSA	#3; Appendix C, p 99-100	⑲
228	Stanley Dara A; Raine Nigel E	2015	Neonicotinoid pesticide exposure impairs crop pollination services provided by bumblebees .	Nature, (2015 Dec 24) Vol. 528, No. 7583, pp. 548-50. Electronic Publication Date: 18 Nov 2015	EFSA	#3; Appendix C, p 308	⑯b
229	Moffat Christopher; Pacheco Joao Goncalves; Sharp Sheila; Samson Andrew J; Bollan Karen A; Huang Jeffrey; Buckland Stephen T; Connolly Christopher N	2015	Chronic exposure to neonicotinoids increases neuronal vulnerability to mitochondrial dysfunction in the bumblebee (Bombus terrestris).	FASEB journal : official publication of the Federation of American Societies for Experimental Biology, (2015 Jan 29) . Electronic Publication Date: 29 Jan 2015	EPA EFSA	#1; Appendix 2-2 #3; Appendix C, p 202-203	⑯b
230	Tan Ken; Chen Weiwen; Dong Shihao; Liu Xiwen; Wang Yuchong; Nieh James C	2015	A neonicotinoid impairs olfactory learning in Asian honey bees (Apis cerana) exposed as larvae or as adults.	Scientific reports, (2015) Vol. 5, pp. 10989. Electronic Publication Date: 18 Jun 2015	EPA EFSA	#1; Appendix 2-2 #3; Appendix C, p 160	⑯b
231	Wang, Kai; Pang, Sen; Mu, Xiyan; Qi, Suzhen; Li, Dongzhi; Cui, Feng; Wang, Chengju	2015	Biological response of earthworm, Eisenia fetida, to five neonicotinoid insecticides	Chemosphere (2015), 132, 120-126	EPA	#1; Chapter 2, p 2-47 (Figure 2-25)	⑯b
232	Wang, Kai; Qi, Suzhen; Mu, Xiyan; Chai, Tingting; Yang, Yang; Wang, Dandan; Li, Dongzhi; Che, Wunan; Wang, Chengju	2015	Evaluation of the Toxicity , AChE Activity and DNA Damage Caused by Imidacloprid on Earthworms , Eisenia fetida	Bulletin of Environmental Contamination and Toxicology (2015) Ahead of Print	EPA	#1; Chapter 2, p 2-47 (Figure 2-25)	⑯b

233	Kumar, Muthukannan Satheesh; Kabra, Akhil N.; Min, Booki; El-Dalatony, Marwa M.; Xiong, Jiuqiang; Thajuddin, Nooruddin; Lee, Dae Sung; Jeon, Byong-Hun	2015	Insecticides induced biochemical changes in freshwater microalga Chlamydomonas mexicana	Environmental Science and Pollution Research (2015) Ahead of Print	EPA	#1; Chapter 2, p 2-26 (Figure 2-11)	⑯b
234	Krischik, Vera; Rogers, Mary; Gupta, Garima; Varshney, Aruna	2015	Soil-applied imidacloprid translocates to ornamental flowers and reduces survival of adult coleomegilla maculata, harmonia axyridis, and hippodamia convergens lady beetles, and larval danaus plexippus and vanessa cardui butterflies.	PLoS ONE, (23 Mar 2015) Vol. 10, No. 3. arn. e0119133. Refs: 74 E-ISSN: 1932-6203 CODEN: POLNCL	EPA	#1; Appendix 2-2	⑯b
235	Uragayala, Sreehari; Verma, Vaishali; Natarajan, Elamathi; Velamuri, Poonam Sharma; Kamaraju, Raghavendra	2015	Adulticidal and larvicidal efficacy of three neonicotinoids against insecticide susceptible and resistant mosquito strains	Indian Journal of Medical Research (2015), 142(Suppl.), 64-70	EPA	#1; Chapter 2, p 2-44 (Figure 2-23)	④ ⑯b
236	Taylor, Sally V.; Burrack, Hannah J.; Roe, R. Michael; Bacheler, Jack S.; Sorenson, Clyde E.	2015	Systemic imidacloprid affects intraguild parasitoids differently	PLoS One (2015), 10(12), e0144598/1-e0144598/13	EPA	#1; Appendix 2-2	⑯b
237	Naeem Abbas; Shad, S. A.; Shah, R. M.	2015	Resistance status of Musca domestica L. populations to neonicotinoids and insect growth regulators in Pakistan poultry facilities.	Pakistan Journal of Zoology (2015) , Volume 47, Number 6, pp. 1663-1671, 50 refs. ISSN: 0030-9923 Published by: Zoological Society of Pakistan, Lahore	EPA	#1; Appendix 2-6, p 3	④
238	Bonmatin, J. -M. (Reprint); Giorio, C.; Girolami, V.; Goulson, D.; Kreutzweiser, D. P.; Krupke, C.; Liess, M.; Long, E.; Marzaro, M.; Mitchell, E. A. D.; Noome, D. A.; Simon-Delso, N.; Tapparo, A. Bonmatin, J. -M. (Reprint) Bonmatin, J. -M. (Reprint) Gior	2015	Environmental fate and exposure ; neonicotinoids and fipronil	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, (JAN 2015) Vol. 22, No. 1, pp. 35-67. ISSN: 0944-1344.	EPA	#2; p 316	⑧
239	Ripka Geza [Reprint Author]; Repkenyi Zoltan; Griff Tamas; Dienes Dora; Vasarhelyi Adrienn	2015	THE RESULTS OF ANALYTICAL RESIDUE STUDIES ON CERTAIN INSECTICIDES APPLIED IN FLOWERING CROPS. Original Title: VIRAGZO NOVENYKULTURAKBAN VEGZETT ROVAROLO SZERMARADEK-ANALITIKAI VIZSGALATOK 2013. EVI EREDMENYEI.	Novenyvdelem, (APR 2015) Vol. 51, No. 4, pp. 167-182. ISSN: 0133-0829.	EFSA	#3; Appendix C, p 265	⑲
240	Zahid,M., M. Salman, A. Farid, S.A.K. Alamzeb, and K. Habib	2015	Degree-Day Forecasting Method: A Tool for Increasing the Precision of Chemical Control for Managing Peach Flat-Headed Borer, Sphenoptera dadkhani (Oben.) (Coleoptera: Buprestidae)	Pakistan J. Zool., vol. 47(6), pp. 1771-1776, 2015	EPA	#1; Appendix 2-2	④
241	Manikandan,S., and P. Srimathi	2015	Effect of Seed Treatments and Containers on Storability of Grain Amaranthus (Amaranthus hypochondriacus L.) CV. Suvarna	International Journal of Horticulture, 2015, Volume 4, Issue 2, 115-120	EPA	#1; Appendix 2-2	④

242	Put Kurt; Bollens Tim; Wackers Felix; Pekas Apostolos	2015	Non - target effects of commonly used plant protection products in roses on the predatory mite Euseius gallicus Kreiter and Tixier (Acari: Phytoseidae).	Pest management science, (2015 Oct 5) . Electronic Publication Date: 5 Oct 2015	EPA	#1; Appendix 2-2	④
243	Huang Liang; Zhao Chun-Lin; Huang Fang; Bai Run-E; Lu Yao-Bin [Reprint Author]; Yan Feng-Ming; Hao Zhong-Ping	2015	Effects of imidacloprid and thiamethoxam as seed treatments on the early seedling characteristics and aphid-resistance of oilseed rape.	Journal of Integrative Agriculture, (2015) Vol. 14, No. 12, pp. 2581-2589. ISSN: 2095-3119.	EPA	#1; Appendix 2-2	④
244	Bianchi, Jaqueline; Casimiro Fernandes, Thais Cristina; Marin-Morales, Maria Aparecida	2015	Induction of mitotic and chromosomal abnormalities on Allium cepa cells by pesticides imidacloprid and sulfentrazone and the mixture of them	Chemosphere (2015) Ahead of Print	EPA	#1; Appendix 2-2	④
245	Wang, Juan; Wang, Jinhua; Wang, Guangchi; Zhu, Lusheng; Wang, Jun	2015	DNA damage and oxidative stress induced by imidacloprid exposure in the earthworm Eisenia fetida	Chemosphere (2015) Ahead of Print	EPA	#1; Appendix 2-2	⑯b
246	Ansoar-Rodriguez, Yadira; Christofoletti, Cintya A.; Marcato, Ana Claudia; Correia, Jorge Evangelista; Bueno, Odair Correa; Malaspina, Osmar; Fontanetti, Carmem S.	2015	Genotoxic potential of the insecticide imidacloprid in a non - target organism (Oreochromis niloticus-Pisces)*	Journal of Environmental Protection (2015), 6(12), 1360-1367	EPA	#1; Appendix 2-2	⑯b
247	Santos, Monica Silva; Zanardi, Odimar Zanuzo; Pauli, Kaira Samaini; Forim, Moacir Rossi; Yamamoto, Pedro Takao; Vendramim, Jose Djair	2015	Toxicity of an azadirachtin-based biopesticide on Diaphorina citri Kuwayama (Hemiptera: Liviidae) and its ectoparasitoid Tamarixia radiata (Waterston) (Hymenoptera: Eulophidae)	Crop Protection (2015), 74, 116-123	EPA	#1; Appendix 2-2	⑯b
248	Devi, A. R.; Tambe, V. J.; Kumar, G. S.; Nage, S. M.	2015	Toxicity of different insecticides on eggs and second instar larvae of Chrysopa.	Environment and Ecology (2015) , Volume 33, Number 2, pp. 685-689, 22 refs. ISSN: 0970-0420 Published by: MKK Publication, Kolkata	EPA	#1; Appendix 2-2	⑯b
249	Kung, W. Y.; Hoover, K.; Cowles, R.; Trotter, R. T., III	2015	Long-term effects of imidacloprid on eastern hemlock canopy arthropod biodiversity in New England.	Northeastern Naturalist (2015), Volume 22, Number 1, pp. NENHC-40-NENHC-55, 37 refs. ISSN: 1092-6194 Published by: Eagle Hill Institute, Steuben Conference: 2014 North Eastern Natural History Conference (NENHC 2014), Springfield, Massachusetts, USA, 8-9 A	EPA	#1; Appendix 2-2	⑯b
250	Qiaoyan, Y.; Liu, C.; Zhang, Y.	2015	Mowing versus insecticide for control of alfalfa aphids and their differential impacts on natural enemies.	Egyptian Journal of Biological Pest Control (2015), Volume 25, Number 2, pp. 285-289, 12 refs. ISSN: 1110-1768 Published by: Egyptian Society for Biological Control of Pests, Cairo	EPA	#1; Appendix 2-2	⑯b
251	Whitehorn Penelope R; Cook Nicola; Blackburn Charlotte V; Gill Sophie M; Green Jade; Shuker David M	2015	Sex allocation theory reveals a hidden cost of neonicotinoid exposure in a parasitoid wasp.	Proceedings. Biological sciences, (2015 May 22) Vol. 282, No. 1807, pp. 20150389.	EPA	#1; Appendix 2-2	⑯b

252	Gott,R.C.	2016	Development of Gene Expression-Based Biomarkers of Exposure to Metals and Pesticides in the Freshwater Amphipod Hyalella azteca	University libraries DRUM	EPA	#1; Appendix 2-2	査読プロセスのある学術ジャーナルに掲載されていない。
253	David, Arthur; Botias, Cristina; Abdul-Sada, Alaa; Nicholls, Elizabeth; Rotheray, Ellen L.; Hill, Elizabeth M.; Goulson, Dave	2016	Widespread contamination of wildflower and bee-collected pollen with complex mixtures of neonicotinoids and fungicides commonly applied to crops	Environment International (2016), 88, 169-178	EFSA	#3; Appendix C, p 70-71	海外モニタリングであり、日本における評価に利用できない。
254	Jones Ainsley; Turnbull Gordon	2016	Neonicotinoid Concentrations in UK Honey from 2013.	Pest management science, (2016 Jan 11) . Electronic Publication Date: 11 Jan 2016	EPA	#2; p 320	海外モニタリングであり、日本における評価に利用できない。
255	Lu, Chensheng; Chang, Chi-Hsuan; Tao, Lin; Chen, Mei	2016	Distributions of neonicotinoid insecticides in the Commonwealth of Massachusetts: a temporal and spatial variation analysis for pollen and honey samples	Environmental Chemistry (2016), 13(1), 4-11	EPA	#2; p 321	海外モニタリングであり、日本における評価に利用できない。
256	Lawrence T J; Culbert E M; Felsot A S; Hebert V R; Sheppard W S	2016	Survey and Risk Assessment of Apis mellifera (Hymenoptera: Apidae) Exposure to Neonicotinoid Pesticides in Urban, Rural, and Agricultural Settings.; Survey and Risk Assessment of Apis mellifera (Hymenoptera: Apidae) Exposure to Neonicotinoid Pesticides i	Journal of economic entomology, (2016 Jan 19) . Electronic Publication Date: 19 Jan 2016	EFSA	#3; Appendix C, p 185	海外モニタリングであり、日本における評価に利用できない。
257	Botias, Cristina; David, Arthur; Hill, Elizabeth M.; Goulson, Dave	2016	Contamination of wild plants near neonicotinoid seed-treated crops, and implications for non-target insects	Science of the Total Environment (2016), 566-567, 269-278	EPA	#2; p 316	海外モニタリングであり、日本における評価に利用できない。
258	Calatayud-Vernich, Pau; Calatayud, Fernando; Simo, Enrique; Suarez-Varela, Maria Morales; Pico, Yolanda	2016	Influence of pesticide use in fruit orchards during blooming on honeybee mortality in 4 experimental apiaries	Science of the Total Environment (2016), 541, 33-41	EPA	#2; p 325	海外モニタリングであり、日本における評価に利用できない。
259	Hladik, Michelle L.; Vandever, Mark; Smalling, Kelly L.	2016	Exposure of native bees foraging in an agricultural landscape to current-use pesticides	Science of the Total Environment (2016), 542(Part_A), 469-477	EPA	#2; p 319	海外モニタリングであり、日本における評価に利用できない。
260	Hassoon, H. A.; Salman, S. A.	2016	The acute effect of pesticides carbaryl and imidacloprid on Daphnia pulex species.	Journal of International Environmental Application and Science (2016) , Volume 11, Number 1, pp. 18-25 ISSN: 1307-0428 Published by: Selcuk University, Engineering Faculty, Konya	EPA	#1; Appendix 2-5, p 4	⑭
261	Augusiak, Jacqueline; Van Den Brink, Paul J.	2016	The influence of insecticide exposure and environmental stimuli on the movement behaviour and dispersal of a freshwater isopod	Ecotoxicology (2016) Ahead of Print	EPA	#1; Appendix 2-5, p 4	⑯b
262	Alexander, Alexa C.; Culp, Joseph M.; Baird, Donald J.; Cessna, Allan J.	2016	Nutrient-insecticide interactions decouple density-dependent predation pressure in aquatic insects	Freshwater Biology (2016), 61(12), 2090-2101	EPA	#1; Appendix 2-2	⑱

263	Prosser, R. S.; De Solla, S. R.; Holman, E. A. M.; Osborne, R.; Robinson, S. A.; Bartlett, A. J.; Maisonneuve, F. J.; Gillis, P. L.	2016	Sensitivity of the early-life stages of freshwater mollusks to neonicotinoid and butenolide insecticides	Environmental Pollution (Oxford, United Kingdom) (2016), 218, 428-435	EPA	#1; Chapter 2, p 2-10, 2-17; Appendix 2-3, p 18	⑯b
264	Shah Rizwan Mustafa; Alam Mahbob; Ahmad Daniyal; Waqas Muhammad; Ali Qasim; Binyamin Muhammad; Shad Sarfraz Ali	2016	Toxicity of 25 synthetic insecticides to the field population of Culex quinquefasciatus Say.	Parasitology research, (2016 Aug 17) . Electronic Publication Date: 17 Aug 2016	EPA	#1; Appendix 2-6, p 3	⑯b
265	Cook, Nicola; Green, Jade; Shuker, David M.; Whitehorn, Penelope R.	2016	Exposure to the neonicotinoid imidacloprid disrupts sex allocation cue use during superparasitism in the parasitoid wasp Nasonia vitripennis	Ecological Entomology (1 Dec 2016) Volume 41, Number 6, pp. 693-697, 40 refs. CODEN: EENTDT ISSN: 0307-6946 E-ISSN: 1365-2311 DOI: 10.1111/een.12344 Published by: Blackwell Publishing Ltd,	EPA	#1; Appendix 2-2	⑯b
266	Xiao, Da; Zhao, Jing; Guo, Xiaojun; Chen, Hongying; Qu, Mengmeng; Zhai, Weigang; Desneux, Nicolas; Biondi, Antonio; Zhang, Fan; Wang, Su	2016	Sublethal effects of imidacloprid on the predatory seven-spot ladybird beetle Coccinella septempunctata	Ecotoxicology (2016), 25(10), 1782-1793	EPA	#1; Appendix 2-2	⑯b
267	Switzer, Callin M.; Combes, Stacey A.	2016	The neonicotinoid pesticide, imidacloprid, affects Bombus impatiens (bumblebee) sonication behavior when consumed at doses below the LD50	Ecotoxicology (2016), 25(6), 1150-1159	EPA	#1; Appendix 2-2	⑯b
268	Brar, Gurpreet S.; Martini, Xavier; Stelinski, Lukasz L.	2016	Lethal and sub - lethal effects of a novel sulfoximine insecticide, sulfoxaflor, against Asian citrus psyllid and its primary parasitoid under laboratory and field conditions	International Journal of Pest Management (2016) Ahead of Print	EPA	#1; Appendix 2-2	⑯b
269	Fernandes, Maria E. S.; Alves, Flavia M.; Pereira, Renata C.; Aquino, Leonardo A.; Fernandes, Flavio L.; Zanuncio, Jose C.	2016	Lethal and sublethal effects of seven insecticides on three beneficial insects in laboratory assays and field trials	Chemosphere (2016), 156, 45-55	EPA	#1; Chapter 2, p 2-48 (Figure 2-26)	⑯b
270	Ansoar-Rodriguez, Yadira; Christofoletti, Cintya A.; Correia, Jorge E.; De Souza, Raphael B.; Moreira-De-Sousa, Cristina; Castro Marcato, Ana Claudia De; Bueno, Odair C.; Malaspina, Osmar; Silva-Zacarin, Elaine C. M.; Fontanetti, Carmem S.	2016	Liver alterations in Oreochromis niloticus (Pisces) induced by insecticide imidacloprid : Histopathology and heat shock protein in situ localization	Journal of Environmental Science and Health, Part B: Pesticides, Food Contaminants, and Agricultural Wastes (2016) Ahead of Print	EPA	#1; Appendix 2-2	⑯b ⑱
271	Xu, Tianbo; Dyer, Dan G.; Mcconnell, Laura L.; Bondarenko, Svetlana; Allen, Richard; Heinemann, Oliver	2016	Clothianidin in agricultural soils and uptake into corn pollen and canola nectar after multiyear seed treatment applications	Environmental Toxicology and Chemistry (2016) Ahead of Print	EFSA	#3; Appendix C, p 355	①
272	Moffat Christopher; Buckland Stephen T; Samson Andrew J; Mcarthur Robin; Chamosa Pino Victor; Bollan Karen A; Huang Jeffrey T-J; Connolly Christopher N	2016	Neonicotinoids target distinct nicotinic acetylcholine receptors and neurons, leading to differential risks to bumblebees.	Scientific reports, (2016) Vol. 6, pp. 24764. Electronic Publication Date: 28 Apr 2016	EFSA	#3; Appendix C, p 201-202	⑯b

273	Burgess, Edwin R., IV; King, B. H.	2016	Behavior and survival of the filth fly parasitoids Spalangia endius and Urolepis rufipes (Hymenoptera: Pteromalidae) in response to three granular house fly baits and components	Environmental Entomology (2016), 45(6), 1496-1504	EPA	#1; Chapter 2, p 2-36, p 2-42, p 2-48 (Figure 2-26)	⑯b
274	Camp, A. A.; Buchwalter, D. B.	2016	Cant take the heat: Temperature-enhanced toxicity in the mayfly Isonychia bicolor exposed to the neonicotinoid insecticide imidacloprid	Aquatic Toxicology (2016), 178, 49-57	EPA	#1; Appendix 2-5, p 4	⑯b
275	Hsiao Chun-Jen; Lin Ching-Lung; Lin Tian-Yu; Wang Sheue-Er; Wu Chung-Hsin	2016	Imidacloprid toxicity impairs spatial memory of echolocation bats through neural apoptosis in hippocampal CA1 and medial entorhinal cortex areas.	Neuroreport, (2016 Apr 13) Vol. 27, No. 6, pp. 462-8.	EPA	#1; Appendix 2-2	⑯b
276	Wang, Yanhua; An, Xuehua; Shen, Weifeng; Chen, Liezhong; Jiang, Jinhua; Wang, Qiang; Cai, Leiming	2016	Individual and combined toxic effects of herbicide atrazine and three insecticides on the earthworm , Eisenia fetida	Ecotoxicology (2016) Ahead of Print	EPA	#1; Chapter 2, p 2-47 (Figure 2-25), 2-48 (Figure 2-26)	⑯b
277	Xia, Xiaohua; Xia, Xiaopei; Huo, Weiran; Dong, Hui; Zhang, Linxia; Chang, Zhongjie	2016	Toxic effects of imidacloprid on adult loach (Misgurnus anguillicaudatus)	Environmental Toxicology and Pharmacology (2016), 45, 132-139	EPA	#1; Chapter 2, p 2-13 (Figure 2-1)	⑯b
278	Li, Yang Grace; Fallon, Ann M.	2016	Rearing the soil arthropod Folsomia candida (Collembola: Isotomidae) on agar plates and estimating biomass by protein staining with Ponceau S	Applied Entomology and Zoology (2016), 51(3), 489-494	EPA	#1; Appendix 2-2	⑯b
279	Aaen, S. M.; Horsberg, T. E.	2016	A screening of multiple classes of pharmaceutical compounds for effect on preadult salmon lice Lepeophtheirus salmonis	Journal of Fish Diseases (2016), 39(10), 1213-1223	EPA	#1; Appendix 2-5, p 4-5	サケジラミに対する効果。
280	Dai, Ping-Li; Jia, Hui-Ru; Jack, Cameron J.; Geng, Li-Li; Liu, Feng; Hou, Chun-Sheng; Diao, Qing-Yun; Ellis, James D.	2016	Bt Cry1Ie toxin does not impact the survival and pollen consumption of Chinese honey bees, Apis cerana cerana (Hymenoptera, Apidae)	Journal of Economic Entomology (2016), 109(6), 2259-2263	EPA	#1; Appendix 2-2	⑯b
281	Farooq, Muzammil; Freed, Shoaib	2016	Combined effects of Beauveria bassiana (Hypocreales: Clavicipitaceae) and insecticide mixtures on biological parameters of Musca domestica (Diptera: Muscidae)	Pakistan Journal of Zoology (2016), 48(5), 1465-1476	EPA	#1; Chapter 2, p 2-45 (Figure 2-24)	④
282	Turkington,T.K., B.L. Beres, H.R. Kutcher, B. Irvine, E.N. Johnson, J.T. O'Donovan, K.N. Harker, C.B. Holzapfel, R. Moh	2016	Winter Wheat Yields are Increased by Seed Treatment and Fall-Applied Fungicide	Agronomiy Journal, Volume108, Issue 4, July–August 2016, Pages 1379-1389	EPA	#1; Appendix 2-2	④
283	Francis,N.	2016	Biology of Thalassa montezumae (Coleoptera: Coccinellidae) a Predaceous Beetle of the Invasive Soft Scale Phalacrococcus howertoni (Hemiptera: Coccidae) in South Florida	THE FLORIDA AGRICULTURAL AND MECHANICAL UNIVERSITY, COLLEGE OF AGRICULTURE AND FOOD SCIENCES	EPA	#1; Appendix 2-2	査読プロセスのある学術ジャーナルに掲載されていない。

284	Anket Sharma; Vinod Kumar; Thukral, A. K.; Renu Bhardwaj; Sharma, A.; Kumar, V.; Bhardwaj, R.	2016	Epibrassinolide-imidacloprid interaction enhances non-enzymatic antioxidants in Brassica juncea L.	Indian Journal of Plant Physiology (2016) , Volume 21, Number 1, pp. 70-75, 28 refs. ISSN: 0019-5502 DOI: 10.1007/s40502-016-0203-x Published by: Springer, New Delhi	EPA	#1; Appendix 2-2	④
285	Aaen,S.M., L.A. Hamre, and T.E. Horsberg	2016	A Screening of Medicinal Compounds for Their Effect on Egg Strings and Nauplii of the Salmon Louse Lepeophtheirus salmonis (Kroyer)	J. Fish Dis.39:1201-1212	EPA	#1; Chapter 2, p 2-23 (Figure 2-9)	④
286	Barrera-Ruiz, U. M.; Cibrian-Tovar, D.; Llanderal-Cazares, M. C. M.; Cibrian-Llanderal, V. D.; Lagunes-Tejeda, A.	2016	Chemical combat of gall wasps Andricus quercuslaurinus Melika and Pujade-Villar (Cynipidae) in Quercus affinis Scheidw.	Revista Chapingo. Serie Ciencias Forestales y del Ambiente (2016), Volume 22, Number 2, pp. 115-123, 13 refs. ISSN: 2007-3828 Published by: Universidad Autonoma Chapingo, Chapingo	EPA	#1; Appendix 2-2	⑯b
287	Sharma, Anket; Kumar, Vinod; Singh, Ravinder; Thukral, Ashwani Kumar; Bhardwaj, Renu	2016	Effect of seed pre-soaking with 24-epibrassinolide on growth and photosynthetic parameters of Brassica juncea L. in imidacloprid soil	Ecotoxicology and Environmental Safety (2016), 133, 195-201	EPA	#1; Appendix 2-2	④
288	Rodriguez-Gonzalez, A.; Pelaez, H. J.; Mayo, S.; Gonzalez-Lopez, O.; Casquero, P. A.	2016	Egg development and toxicity of insecticides to eggs, neonate larvae and adults of Xylotrechus arvicola, a pest in Iberian grapevines	Vitis (2016), 55(2), 83-93	EPA	#1; Appendix 2-2	⑯b
289	Spafford Helen; Ching Alexander; Manley Megan; Hardin Chelsea; Bittenbender Harry	2016	Management of Chinese Rose Beetle (Adoretus sinicus) Adults Feeding on Cacao (Theobroma cacao) Using Insecticides.	Insects, (2016 Jun 24) Vol. 7, No. 2. Electronic Publication Date: 24 Jun 2016	EPA	#1; Appendix 2-2	④
290	Tufi, Sara; Wassenaar, Pim N. H.; Osorio, Victoria; De Boer, Jacob; Leonards, Pim E. G.; Lamoree, Marja H.	2016	Pesticide mixture toxicity in surface water extracts in snails (Lymnaea stagnalis) by an in vitro acetylcholinesterase inhibition assay and metabolomics	Environmental Science and Technology (2016) Ahead of Print	EPA	#1; Appendix 2-2	⑯b
291	Sillapawattana Panwad; Schaffer Andreas	2016	Effects of imidacloprid on detoxifying enzyme glutathione S-transferase on Folsomia candida (Collembola).	Environmental science and pollution research international, (2016 Apr 20) . Electronic Publication Date: 20 Apr 2016	EPA	#1; Appendix 2-2	⑯b
292	Davidson, William; Rieske, Lynne K.	2016	Establishment of classical biological control targeting emerald ash borer is facilitated by use of insecticides, with little effect on native arthropod communities	Biological Control (2016), 101, 78-86	EPA	#1; Appendix 2-2	⑯b
293	Sharma, Anket; Thakur, Sharad; Kumar, Vinod; Kanwar, Mukesh K.; Kesavan, Anup K.; Thukral, Ashwani K.; Bhardwaj, Renu [Reprint Author]; Alam, Pravej; Ahmad, Parvaiz	2016	Pre-sowing Seed Treatment with 24-Epibrassinolide Ameliorates Pesticide Stress in Brassica juncea L. through the Modulation of Stress Markers.	Frontiers in Plant Science, (NOV 2 2016) Vol. 7, pp. Article No.: 1569. ISSN: 1664-462X. E-ISSN: 1664-462X.	EPA	#1; Appendix 2-2	⑯b

294	Yasuda,M., Y. Sakamoto, K. Goka, T. Nagamitsu, and H. Taki	2017	Insecticide Susceptibility in Asian Honey Bees (Apis cerana (Hymenoptera: Apidae)) and Implications for Wild Honey Bees in Asia	J. Econ. Entomol.110(2): 447-452	EPA	#1; Appendix 2-6, p 3	⑯b
295	Wu, Ming-Cheng; Chang, Yu-Wen; Lu, Kuang-Hui; Yang, En-Cheng	2017	Gene expression changes in honey bees induced by sublethal imidacloprid exposure during the larval stage	Insect Biochemistry and Molecular Biology (2017) Ahead of Print	EPA	#1; Appendix 2-2	⑱
296	Tome Hudson V V; Ramos Gabryele S; Araujo Micaele F; Santana Weyder C; Santos Gil R; Guedes Raul Narciso C; Maciel Carlos D; Newland Philip L; Oliveira Eugenio E	2017	Agrochemical synergism imposes higher risk to Neotropical bees than to honeybees .	Royal Society open science, (2017 Jan) Vol. 4, No. 1, pp. 160866. Electronic Publication Date: 18 Jan 2017	EPA	#1; Chapter 2, p 2-40 (Figure 2-20)	⑭
297	Cang, Tao; Dai, Dejiang; Yang, Guiling; Yu, Yijun; Lv, Lu; Cai, Leiming; Wang, Qiang; Wang, Yanhua	2017	Combined toxicity of imidacloprid and three insecticides to the earthworm, Eisenia fetida (Annelida, Oligochaeta)	Environmental Science and Pollution Research (2017), 24(9), 8722-8730	EPA	#1; Chapter 2, p 2-47 (Figure 2-25)	⑯b
298	De Lima E Silva, Claudia; Brennan, Nicola; Brouwer, Jitske M.; Commandeur, Daniel; Verweij, Rudo A.; Van Gestel, Cornelis A. M.	2017	Comparative toxicity of imidacloprid and thiacloprid to different species of soil invertebrates	Ecotoxicology (2017), 26(4), 555-564	EPA	#1; Chapter 2, p 2-47 (Figure 2-25)	⑯b
299	Mabubu, Juma Ibrahim; Nawaz, Muhammad; Cai, Wanlun; Zhao, Jing; He, Yueping; Hua, Hongxia Mabubu, Juma Ibrahim	2017	Ecotoxicity of the Neonicotinoid Insecticides Imidacloprid and Thiacloprid to the Soil-Dwelling Arthropod Folsomia candida (Collembola)	JOURNAL OF THE KANSAS ENTOMOLOGICAL SOCIETY, (OCT 2017) Vol. 90, No. 4, pp. 323-333. ISSN: 0022-8567.	EPA	#1; Chapter 2, p 2-9, 2-36, 2-46, 2-47 (Figure 2-25)	⑯b
300	Skouras, Panagiotis J.; Stathas, George J.; Voudouris, Costas Ch.; Darras, Anastasios I.; Tsitsipis, John A.; Margaritopoulos, John T.	2017	Effect of synthetic insecticides on the larvae of Coccinella septempunctata from Greek populations	Phytoparasitica (2017), 45(2), 165-173	EPA	#1; Appendix 2-6, p 3-4	⑯b
301	Lunardi, J. S.; Zaluski, R.; Orsi, R. O.	2017	Evaluation of motor changes and toxicity of insecticides fipronil and imidacloprid in Africanized honey bees (Hymenoptera: Apidae).	Sociobiology (2017), Volume 64, Number 1, pp. 50-56 ISSN: 0361-6525 DOI: 10.13102/sociobiology.v64i1.1190 Published by: Universidade Estadual de Feira de Santana, Bahia	EPA	#1; Chapter 2, p 2-44 (Figure 2-23), 2-45 (Figure 2-24)	⑭
302	Zhu Yu Cheng; Yao Jianxiu; Adamczyk John; Luttrell Randall	2017	Feeding toxicity and impact of imidacloprid formulation and mixtures with six representative pesticides at residue concentrations on honey bee physiology (Apis mellifera).	PloS one, (2017) Vol. 12, No. 6, pp. e0178421. Electronic Publication Date: 7 Jun 2017	EPA	#1; Chapter 2, p 2-45 (Figure 2-24)	⑭
303	Tappert, Lars; Pokorny, Tamara; Hofferberth, John; Ruther, Joachim	2017	Sublethal doses of imidacloprid disrupt sexual communication and host finding in a parasitoid wasp	Scientific Reports (2017), 7, 42756	EPA	#1; Appendix 2-6, p 4	⑯b
304	Robinson, Stacey A.; Richardson, Sarah D.; Dalton, Rebecca L.; Maisonneuve, France; Trudeau, Vance L.; Pauli, Bruce D.; Lee-Jenkins, Stacey S. Y.	2017	Sublethal effects on wood frogs chronically exposed to environmentally relevant concentrations of two neonicotinoid insecticides	Environmental Toxicology and Chemistry (2017) Ahead of Print	EPA	#1; Appendix 2-3, p 23-24	⑯b

305	Van Gestel, Cornelis A. M.; De Lima E Silva, Claudia; Lam, Thao; Koekkoek, Jacco C.; Lamoree, Marja H.; Verweij, Rudo A.	2017	Multigeneration toxicity of imidacloprid and thiacloprid to Folsomia candida	Ecotoxicology (2017), 26(3), 320-328	EPA	#1; Chapter 2, p 2-47 (Figure 2-25)	⑯b
306	Nazir, Talha; Gogi, Muhammad Dildar; Majeed, Muhammad Zeeshan; Ul Hassan, Waheed; Hanan, Abdul; Arifl, Muhammad Jalal	2017	Field evaluation of selective systemic formulations against sucking insect pest complex and their natural enemies on a transgenic Bt Cotton	Pakistan Journal of Zoology (2017), 49(5), 1789-1796	EPA	#1; Appendix 2-2	④
307	Eng Margaret L; Stutchbury Bridget J M; Morrissey Christy A	2017	Imidacloprid and chlorpyrifos insecticides impair migratory ability in a seed-eating songbird.	Scientific reports, (2017 Nov 09) Vol. 7, No. 1, pp. 15176. Electronic Publication Date: 9 Nov 2017	EPA	#1; Appendix 2-2	⑱
308	Phelps, Jordan D.; Strang, Caroline G.; Gbylik-Sikorska, Malgorzata; Sniegocki, Tomasz; Posyniak, Andrzej; Sherry, David F.	2017	Imidacloprid slows the development of preference for rewarding food sources in bumblebees (Bombus impatiens)	Ecotoxicology (2017) Ahead of Print	EPA	#1; Appendix 2-2	⑯b
309	Burges, Edwin R., IV; Kremer, Aspen; Elsawa, Sherine F.; King, B. H.	2017	Sublethal effects of imidacloprid exposure on Spalangia endius, a pupal parasitoid of filth flies	BioControl (2017), 62(1), 53-60	EPA	#1; Appendix 2-2	⑯b
310	Zhu, Yu Cheng; Yao, Jianxiu; Adamczyk, John; Luttrell, Randall	2017	Synergistic toxicity and physiological impact of imidacloprid alone and binary mixtures with seven representative pesticides on honey bee (Apis mellifera).	PLoS ONE, (May 2017) Vol. 12, No. 5. arn. e0176837. Refs: 65 E-ISSN: 1932-6203 CODEN: POLNCL	EPA	#1; Appendix 2-2	⑭ ⑱
311	Mohanty, Banalata; Pandey, Surya Prakash; Tsutsui, Kazuyoshi	2017	Thyroid disrupting pesticides impair the hypothalamic-pituitary-testicular axis of a wildlife bird , Amandava amandava	Reproductive Toxicology (2017), 71, 32-41	EPA	#1; Appendix 2-2	⑱
312	Prathibha, P. S.; Subaharan, K.; Kumar, A. R. V.	2017	Toxicity and dissipation of soil insecticides applied in the management of arecanut white grub, Leucopholis burmeisteri Brenk. (Coleoptera: Scarabaeidae)	Phytoparasitica (2017), 45(2), 155-163	EPA	#1; Appendix 2-2	④
313	Shukla, Saurabh; Jhamtani, Reena C.; Dahiya, M. S.; Agarwal, Rakhi	2017	Oxidative injury caused by individual and combined exposure of neonicotinoid, organophosphate and herbicide in zebrafish	Toxicology Reports (2017), 4, 240-244	EPA	#1; Appendix 2-2	⑱
314	Czerwinski, Mitchell Andrew; Sadd, Ben Michael	2017	Detrimental interactions of neonicotinoid pesticide exposure and bumblebee immunity.	Journal of Experimental Zoology, (JUN 1 2017) Vol. 327, No. 5, Sp. Iss. SI, pp. 273-283. ISSN: 2471-5646. E-ISSN: 2471-5646.	EPA	#1; Appendix 2-2	⑯b
315	Sharma, A.; Kumar, V.; Kanwar, M. K.; Thukral, A. K.; Bhardwaj, R.	2017	Ameliorating imidacloprid induced oxidative stress by 24-epibrassinolide in Brassica juncea L.	Russian Journal of Plant Physiology (2017), 64(4), 509-517	EPA	#1; Appendix 2-3, p 37	カラシナにおける酸化ストレスに関する論文。
316	Mughal,T.K., Z. Ullah, M.A. Sabri, S. Ahmad, and D. Hussain	2017	In Vitro Comparative Toxicity of Different Insecticides Against Adults of Seven Spotted Beetle, Coccinella septempunctata L. (Coleoptera: Coccinellidae)	Journal of Entomology and Zoology Studies 2017; 5(6): 498-502	EPA	#1; Appendix 2-2	④

317	Cui, Jiang-Kuan; Huang, Wen-Kun; Peng, Huan; Lv, Yan; Kong, Ling-An; Li, Hui-Xia; Luo, Shu-Jie; Wang, Yan; Peng, De-Liang	2017	Efficacy evaluation of seed-coating compounds against cereal cyst nematodes and root lesion nematodes on wheat	Plant Disease (1 Mar 2017) Volume 101, Number 3, pp. 428-433, 47 refs. CODEN: PLDIDE ISSN: 0191-2917 DOI: 10.1094/PDIS-06-16-0862-RE Published by: American Phytopathological Society, 3340 Pilot Knob Road, St. Paul, MN 55121-2097 (US)	EPA	#1; Appendix 2-2	④
318	Rios, Francesca M.; Wilcoxen, Travis E.; Zimmerman, Laura M.	2017	Effects of imidacloprid on Rana catesbeiana immune and nervous system	Chemosphere (2017), 188, 465-469	EPA	#1; Appendix 2-2	⑯b
319	Rodriguez-Gonzalez, A.; Pelaez, H. J.; Gonzalez-Nunez, M.; Casquero, P. A.	2017	Control of egg and neonate larvae of Xylotrechus arvicola (Coleoptera: Cerambycidae), a new vineyard pest, under laboratory conditions	Australian Journal of Grape and Wine Research (2017), 23(1), 112-119	EPA	#1; Appendix 2-2	⑯b
320	Oliveira, A. Da S.; Castellani, M. A.; Moreira, A. A.; Nascimento, A. S. Do; Azevedo, M. S.; Oliveira, V. G.; Da S. Oliveira, A.; Do Nascimento, A. S.	2017	Efficacy of insecticides in fruit borer control and residues on sugar apple fruit.	Revista Ceres (2017), Volume 64, Number 2, pp. 132-137 ISSN: 0034-737X DOI: 10.1590/0034-737x201764020004 Published by: Editora UFV, Universidade Federal de Vicosa, Vicosa	EPA	#1; Appendix 2-2	④
321	Simmons, William R.; Angelini, David R.	2017	Chronic exposure to a neonicotinoid increases expression of antimicrobial peptide genes in the bumblebee Bombus impatiens	Scientific Reports (2017), 7, 44773	EPA	#1; Appendix 2-2	⑯b
322	Pereira, Ana Santos; Jose Cerejeira, Maria; Daam, Michiel A.	2017	Ecological risk assessment of imidacloprid applied to experimental rice fields: Accurateness of the RICEWQ model and effects on ecosystem structure	Ecotoxicology and Environmental Safety (2017), 142, 431-440	EPA	#1; Appendix 2-2	⑱
323	Englert, Dominic; Bakanov, Nikita; Zubrod, Jochen P.; Schulz, Ralf; Bundschuh, Mirco	2017	Modeling Remobilization of Neonicotinoid Residues from Tree Foliage in Streams-A Relevant Exposure Pathway in Risk Assessment?	Environmental Science and Technology (2017), 51(3), 1785-1794	EPA	#1; Appendix 2-2	⑱
324	Mugova Fidelis; Read Daniel S; Riding Matthew J; Martin Francis L; Tyne William; Svendsen Claus; Spurgeon David	2017	PHENOTYPIC RESPONSES IN CAENORHABDITIS ELEGANS FOLLOWING CHRONIC LOW-LEVEL EXPOSURES TO INORGANIC AND ORGANIC COMPOUNDS.	Environmental toxicology and chemistry, (2017 Nov 02) . Electronic Publication Date: 2 Nov 2017	EPA	#1; Appendix 2-2	⑯b
325	Schrama, Maarten; Barmentlo, S. Henrik; Hunting, Ellard R.; Van Logtestijn, Richard S. P.; Vijver, Martina G.; Van Bodegom, Peter M.	2017	Pressure-Induced Shifts in Trophic Linkages in a Simplified Aquatic Food Web.	Frontiers in Environmental Science, (2017) Vol. 5, pp. Article No.: 75. E-ISSN: 2296-665X.	EPA	#1; Appendix 2-2	⑱
326	Gholamzadeh-Chitgar, Moloud; Sadegh Pourmoradi	2017	An evaluation of the effect of botanical insecticide, palizin in comparison with chemical insecticide, imidacloprid on the black citrus aphid, Toxoptera aurantii Boyer de Fonscolombe and its natural enemy, Aphidius colemani Viereck	Journal of plant protection research (2017) , Volume 57, Number 2, pp. 101-106 ISSN: 1899-007X Published by: De Gruyter Open Source Note: 2017 July 22, v. 57, no. 2	EPA	#1; Appendix 2-2	④ ⑯b

327	Sharma, Anket; Kumar, Vinod; Kumar Thukral, Ashwani; Bhardwaj, Renu	2017	24-Epibrassinolide Restores the Synthesis of Proteins and Amino Acids in Brassica juncea L. Leaves Under Imidacloprid Stress	Journal of Horticultural Research (2017), 25(2), 85-90	EPA	#1; Appendix 2-2	⑯b(カラシナにおけるタンパク及びアミノ酸合成に関しての論文)
328	Sharma Anket; Thakur Sharad; Kumar Vinod; Kesavan Anup Kumar; Thukral Ashwani Kumar; Bhardwaj Renu	2017	24-epibrassinolide stimulates imidacloprid detoxification by modulating the gene expression of Brassica juncea L.	BMC plant biology, (2017 Feb 28) Vol. 17, No. 1, pp. 56. Electronic Publication Date: 28 Feb 2017	EPA	#1; Appendix 2-2	⑯b(カラシナにおける遺伝子発現に関しての論文)
329	Bartlett, Adrienne J.; Hedges, Amanda M.; Intini, Kyna D.; Brown, Lisa R.; Maisonneuve, France J.; Robinson, Stacey A.; Gillis, Patricia L.; De Solla, Shane R.	2018	Lethal and sublethal toxicity of neonicotinoid and butenolide insecticides to the mayfly, Hexagenia spp.	Environmental Pollution (Oxford, United Kingdom) (2018), 238, 63-75	EPA	#1; Appendix 2-5, p 4	⑯b
330	Ge,J., Y. Xiao, Y. Chai, H. Yan, R. Wu, X. Xin, D. Wang, and X. Yu	2018	Sub-Lethal Effects of Six Neonicotinoids on Avoidance Behavior and Reproduction of Earthworms (Eisenia fetida)	Ecotoxicology and Environmental Safety, Volume 162, 30 October 2018, Pages 423-429	EPA	#1; Chapter 2, p 2-47 (Figure 2-25)	⑯b
331	Vieira, Carlos Eduardo Delfino; Perez, Maria Rita; Acayaba, Raphael Danna; Raimundo, Cassiana Carolina Montagner; Dos Reis Martinez, Claudia Bueno	2018	DNA damage and oxidative stress induced by imidacloprid exposure in different tissues of the Neotropical fish Prochilodus lineatus	Chemosphere (2018), 195, 125-134	EPA	#1; Appendix 2-2	⑯b ⑱亜致死濃度での生理学的影響
332	Nnadi, J. U.; Dimelu, I. N.; Nwani, S. I.; Madu, J. C.; Atama, C. I.; Attamah, G. N.; Okwor, J. L.; Nwani, C. D.	2018	Biometric variations and oxidative stress responses in juvenile Clarias gariepinus exposed to Termex	African Journal of Aquatic Science (2018), 43(1), 27-34	EPA	#1; Chapter 2, p 2-13 (Figure 2-1)	⑭ ⑯b
333	Bovi Thais S; Zaluski Rodrigo; Orsi Ricardo O	2018	Toxicity and motor changes in Africanized honey bees (Apis mellifera L.) exposed to fipronil and imidacloprid .	Anais da Academia Brasileira de Ciencias, (2018 Jan-Mar) Vol. 90, No. 1, pp. 239-245.	EPA	#1; Chapter 2, p 2-44 (Figure 2-23), p 2-45 (Figure 2-24)	⑭ ミツバチに対する影響を調べているが、LD50は24時間後しか得られていない。
334	Cheng, Shenhang; Lin, Ronghua; Zhang, Nan; Yuan, Shankui; Zhou, Xinxin; Huang, Jian; Ren, Xiaodong; Wang, Shoushan; Jiang, Hui; Yu, Caihong	2018	Toxicity of six insecticides to predatory mite Amblyseius cucumeris (Oudemans) (Acari: Phytoseiidae) in-and off-field	Ecotoxicology and Environmental Safety (2018), 161, 715-720	EPA	#1; Chapter 2, p 2-48 (Figure 2-26)	⑯b
335	Almasi, Ali; Rasekh, Arash; Esfandiari, Mehdi; Seyahooei, Majeed Askari; Ziaee, Masumeh	2018	The prospect of using sub-lethal imidacloprid or pirimicarb and a parasitoid wasp, Lysiphlebus fabarum, simultaneously, to control Aphis gossypii on cucumber plants.	Journal of Asia-Pacific Entomology, (MAR 2018) Vol. 21, No. 1, pp. 161-167. ISSN: 1226-8615. E-ISSN: 1876-7990.	EPA	#1; Appendix 2-2	④
336	Davila, Vinicius A.; Barbosa, Wagner F.; Guedes, Raul N. C.; Cutler, G. Christopher	2018	Effects of spinosad, imidacloprid, and lambda-cyhalothrin on survival, parasitism, and reproduction of the aphid parasitoid Aphidius colemani	Journal of Economic Entomology (2018), 111(3), 1096-1103	EPA	#1; Chapter 2, p 2-48 (Figure 2-26)	⑯b
337	Boone, Michelle D.	2018	An amphibian with a contracting range is not more vulnerable to pesticides in outdoor experimental communities than common species	Environmental Toxicology and Chemistry (2018), 37(10), 2699-2704	EPA	#1; Appendix 2-3, p 25	⑯b

338	Barmentlo, S. Henrik; Schrama, Maarten; Hunting, Ellard R.; Heutink, Roel; Van Bodegom, Peter M.; De Snoo, Geert R.; Vijver, Martina G.	2018	Assessing combined impacts of agrochemicals: Aquatic macroinvertebrate population responses in outdoor mesocosms	Science of the Total Environment (2018), 631-632, 341-347	EPA	#1; Appendix 2-2	⑯b
339	Wu-Smart, Judy; Spivak, Marla	2018	Effects of neonicotinoid imidacloprid exposure on bumble bee (Hymenoptera: Apidae) queen survival and nest initiation	Environmental Entomology (8 Feb 2018) Volume 47, Number 1, pp. 55-62, 50 refs. CODEN: EVETBX ISSN: 0046-225X E-ISSN: 1938-2936 DOI: 10.1093/ee/nvx175 Published by: Entomological Society of America, 10001 Derekwood Lane, Suite 100, Lanham, MD 20706-4876 (U	EPA	#1; Chapter 2, p 2-9, 2-36, 2-45 (Figure 2-24)	⑯b
340	Ogungbemi, Afolarin O.; Van Gestel, Cornelis A. M.	2018	Extrapolation of imidacloprid toxicity between soils by exposing Folsomia candida in soil pore water	Ecotoxicology (2018) Ahead of Print	EPA	#1; Chapter 2, p 2-47 (Figure 2-25)	⑯b
341	GE, Jing; Xiao, Yuanzhuo; Chai, Yangyang; Yan, Haijuan; Wu, Ruohan; Xin, Xing; Wang, Donglan; Yu, Xiangyang	2018	Sub - lethal effects of six neonicotinoids on avoidance behavior and reproduction of earthworms (Eisenia fetida)	Ecotoxicology and Environmental Safety (2018), 162, 423-429	EPA	#1; Chapter 2, p 2-47 (Figure 2-25)	⑯b
342	Leza, Mar; Watrous, Kristal M.; Bratu, Jade; Woodard, S. Hollis	2018	y Effects of neonicotinoid insecticide exposure and monofloral diet on nest-founding bumblebee queens.	Proceedings of the Royal Society Biological Sciences Series B, (JUN 13 2018) Vol. 285, No. 1880, pp. Article No.: 20180761. ISSN: 0962-8452. E-ISSN: 1471-2954.	EPA	#1; Chapter 2, p 2-45 (Figure 2-24)	⑯b
343	Hrynyk, Morgan A.; Brunetti, Craig; Kerr, Leslie; Metcalfe, Chris D.	2018	Effect of imidacloprid on the survival of Xenopus tadpoles challenged with wild type frog virus 3	Aquatic Toxicology (2018), 194, 152-158	EPA	#1; Appendix 2-2	⑯b
344	Sohn, Lauren; Brodie, Renae J.; Couldwell, Genevieve; Demmons, Eleanor; Sturve, Joachim	2018	Exposure to a nicotinoid pesticide reduces defensive behaviors in a non - target organism, the rusty crayfish Orconectes rusticus	Ecotoxicology (2018) Ahead of Print	EPA	#1; Appendix 2-2	⑯b
345	Ozdemir, Selcuk; Altun, Serdar; Arslan, Harun	2018	Imidacloprid exposure cause the histopathological changes, activation of TNF-.alpha., iNOS, 8-OHdG biomarkers, and alteration of caspase 3, iNOS, CYP1A, MT1 gene expression levels in common carp (Cyprinus carpio L.)	Toxicology Reports (2018), 5, 125-133	EPA	#1; Appendix 2-2	⑱
346	Bernardes, Rodrigo Cupertino; Barbosa, Wagner Faria; Martins, Gustavo Ferreira; Lima, Maria Augusta Pereira	2018	The reduced-risk insecticide azadirachtin poses a toxicological hazard to stingless bee Partamona helleri (Friese, 1900) queens	Chemosphere (2018), 201, 550-556	EPA	#1; Appendix 2-2	⑯b
347	Pashte, Vrushali Vijaykumar; Patil, Chidanand Shivshankar Pashte, Vrushali Vijaykumar Patil, Chidanand Shivshankar	2018	Toxicity and Poisoning Symptoms of selected Insecticides to Honey Bees (Apis mellifera mellifera L.)	ARCHIVES OF BIOLOGICAL SCIENCES, (2018) Vol. 70, No. 1, pp. 5-12. ISSN: 0354-4664.	EPA	#1; Appendix 2-2	⑯c

348	Englert, Dominic; Zubrod, Jochen P.; Neubauer, Christoph; Schulz, Ralf; Bundschuh, Mirco	2018	UV-irradiation and leaching in water reduce the toxicity of imidacloprid -contaminated leaves to the aquatic leaf-shredding amphipod Gammarus fossarum	Environmental Pollution (Oxford, United Kingdom) (2018), 236, 119-125	EPA	#1; Appendix 2-2	⑱
349	Bashir, M. H.; Muhammad Zahid; Khan, M. A.; Muhammad Shahid; Khan, A. K.; Luqman Amrao	2018	Pesticides toxicity for Neoseiulus barkeri (Acari: Phytoseiidae) and non-target organisms.	Pakistan Journal of Agricultural Sciences (2018), Volume 55, Number 1, pp. 63-71, 42 refs. ISSN: 0552-9034 Published by: University of Agriculture, Faisalabad	EPA	#1; Appendix 2-2	⑯b
350	Schmidt-Jeffris, Rebecca A.; Beers, Elizabeth H.	2018	Potential impacts of orchard pesticides on Tetranychus urticae: A predator-prey perspective	Crop Protection (2018), 103, 56-64	EPA	#1; Appendix 2-2	⑯b
351	Otesbelgue, Alex; Dos Santos, Charles Fernando; Blochtein, Betina	2018	Queen bee acceptance under threat: Neurotoxic insecticides provoke deep damage in queen-worker relationships	Ecotoxicology and Environmental Safety (2018), 166, 42-47	EPA	#1; Appendix 2-2	⑯b ⑱ 1濃度、摂取量不明
352	Di Vitantonio C; Depalo L; Marchetti E; Dindo M L; Masetti A	2018	Response of the European Ladybird Adalia bipunctata and the Invasive Harmonia axyridis to a Neonicotinoid and a Reduced-Risk Insecticide.	Journal of economic entomology, (20180926) Vol. 111, No. 5, pp. 2076-2080.	EPA	#1; Appendix 2-2	⑯b
353	Ilahi, Ikram; Waqas; Ullah, Saif; Ali, Hazrat; Begum, Reema; Nawaz, Hafsa; Bibi, Hafsa; Bibi, Anila; Sardar, Fouzia; Bibi, Amia; Bibi, Fozia; Bibi, Sheema	2018	Effect of long term exposure to sublethal concentration of imidacloprid on some biochemical and haematological parameters of Grass carp and Goldfish	Pakistan Journal of Pharmaceutical Sciences (2018), 31(6, Suppl.), 2655-2660	EPA	#1; Appendix 2-2	適切に評価できる試験系で実施されていない。
354	Hook, Sharon E.; Doan, Hai; Gonzago, Debra; Musson, Dean; Du, Jun; Kookana, Rai; Sellars, Melony J.; Kumar, Anu	2018	The impacts of modern-use pesticides on shrimp aquaculture: An assessment for north eastern Australia	Ecotoxicology and Environmental Safety (2018), 148, 770-780	EPA	#1; Appendix 2-5, p 5	⑯b
355	Hao, Chunyan; Eng, Margaret L.; Sun, Fengrong; Morrissey, Christy A.	2018	Part-per-trillion LC-MS/MS determination of neonicotinoids in small volumes of songbird plasma	Science of the Total Environment (2018), 644, 1080-1087	EPA	#1; Appendix 2-2	⑱(種子摂取後の鳥(スズメ目)の血中濃度測定)
356	Emam, Hazem; Ahmed, Eman; Abdel-Daim, Mohamed	2018	Antioxidant capacity of omega-3-fatty acids and vitamin E against imidacloprid -induced hepatotoxicity in Japanese quails	Environmental Science and Pollution Research (2018) Ahead of Print	EPA	#1; Appendix 2-2	イミダクロプリドにより誘発される日本ウズラの肝毒性がオメガ―3-脂肪酸やビタミンEで緩和されるかを肝酵素を指標に調査。
357	Cheng, Shenhang; Lin, Ronghua; Wang, Limin; Qiu, Qianying; Qu, Mengmeng; Ren, Xiaodong; Zong, Fulin; Jiang, Hui; Yu, Caihong	2018	Comparative susceptibility of thirteen selected pesticides to three different insect egg parasitoid Trichogramma species	Ecotoxicology and Environmental Safety (2018), 166, 86-91	EPA	#1; Chapter 2, p 2-48 (Figure 2-26)	⑯b
358	Meikle, William G.; Adamczyk, John J.; Weiss, Milagra; Gregorc, Ales	2018	Effects of bee density and sublethal imidacloprid exposure on cluster temperatures of caged honey bees	Apidologie (2018) Ahead of Print	EPA	#1; Appendix 2-2	⑱(ミツバチの巣内密度の影響に主眼)
359	Van Dooremalen, Coby; Cornelissen, Bram; Poleij-Hok-Ahin, Chula; Blacquiere, Tjeerd Van Dooremalen, Coby; Blacquiere, Tjeerd	2018	Single and interactive effects of Varroa destructor, Nosema spp., and imidacloprid on honey bee colonies (Apis mellifera)	ECOSPHERE, (AUG 2018) Vol. 9, No. 8. ISSN: 2150-8925.	EPA	#1; Appendix 2-2	ヘギイタダニやノゼマ原虫感染ミツバチでの相互作用。
360	Mogren, Christina L.; Margotta, Joseph; Danka, Robert G.; Healy, Kristen Mogren, Christina L.; Healy, Kristen Mogren, Christina L. Danka, Robert G.	2018	Supplemental carbohydrates influence abiotic stress resistance in honey bees	JOURNAL OF APICULTURAL RESEARCH, (20 OCT 2018) Vol. 57, No. 5, pp. 682-689. ISSN: 0021-8839.	EPA	#1; Appendix 2-2	投与液中濃度(1濃度)は記載されているが、摂取量が不明。

361	Lamsa, Juho; Kuusela, Erno; Tuomi, Juha; Juntunen, Sini; Watts, Phillip C.	2018	Low dose of neonicotinoid insecticide reduces foraging motivation of bumblebees	Proceedings of the Royal Society B: Biological Sciences (2018), 285(1883), 20180506/1-20180506/9	EPA	#1; Appendix 2-2	⑱
362	Crall, James D.; Switzer, Callin M.; Oppenheimer, Robert L.; Ford Versypt, Ashlee N.; Dey, Biswadip; Brown, Andrea; Eyster, Mackay; Guerin, Claire; Pierce, Naomi E.; Combes, Stacey A.; De Bivort, Benjamin L.	2018	Neonicotinoid exposure disrupts bumblebee nest behavior , social networks, and thermoregulation	Science (Washington, DC, United States) (2018), 362(6415), 683-686	EPA	#1; Appendix 2-2	⑯b
363	Naga, K. L.; Rana, B. S.; Meena, A. K.; Jain, H. K.	2018	Evaluation of insecticides with bio-agents against natural enemies of mustard aphid.	Journal of Entomological Research (2018) , Volume 42, Number 3, pp. 369-372, 12 refs. ISSN: 0378-9519 DOI: 10.5958/0974-4576.2018.00061.0 Published by: Malhotra Publishing House, New Delhi	EPA	#1; Appendix 2-2	⑯b
364	Nyoka, Ngitheni Winnie-Kate; Kanyile, Sthandiwe Nomthandazo; Bredenhand, Emile; Prinsloo, Godfried Jacob; Voua Otomo, Patricks	2018	Biochar alleviates the toxicity of imidacloprid and silver nanoparticles (AgNPs) to Enchytraeus albidus (Oligochaeta)	Environmental Science and Pollution Research (2018), 25(11), 10937-10945	EPA	#1; Chapter 2, p 2-41 (Figure 2-21)	⑯b
365	Iqbal J; Alqarni A S; Raweh H S A	2018	Effect of Sub - lethal Doses of Imidacloprid on Learning and Memory Formation of Indigenous Arabian Bee (Apis mellifera jemenitica Ruttner) Adult Foragers.	Neotropical entomology, (2018 Nov 26) . Electronic Publication Date: 26 Nov 2018	EPA	#1; Appendix 2-2	⑭ ⑱
366	Farooq, Muzammil; Freed, Shoaib	2018	Mortality , Biological, and Biochemical Response of Musca domestica (Diptera: Muscidae) to Selected Insecticides.	Journal of Entomological Science, (JAN 2018) Vol. 53, No. 1, pp. 27-45.	EPA	#1; Chapter 2, p 2-45 (Figure 2-24)	⑯b
367	Raby, Melanie; Zhao, Xiaoming; Hao, Chunyan; Poirier, David G.; Sibley, Paul K.	2018	Relative chronic sensitivity of neonicotinoid insecticides to Ceriodaphnia dubia and Daphnia magna	Ecotoxicology and Environmental Safety (2018), 163, 238-244	EPA	#1; Chapter 2, p 2-21 (Figure 2-7)	⑯b
368	Ravaiano, Samira Veiga; Barbosa, Wagner Faria; Tome, Hudson Vaner Ventura; Campos, Lucio Antonio De Oliveira; Martins, Gustavo Ferreira	2018	Acute and oral exposure to imidacloprid does not affect the number of circulating hemocytes in the stingless bee Melipona quadrifasciata post immune challenge	Pesticide Biochemistry and Physiology (2018) Ahead of Print	EPA	#1; Appendix 2-2	⑯b
369	Iturburu, Fernando G.; Bertrand, Lidwina; Mendieta, Julieta R.; Ame, Maria V.; Menone, Mirta L.	2018	An integrated biomarker response study explains more than the sum of the parts: Oxidative stress in the fish Australoheros facetus exposed to imidacloprid	Ecological Indicators (2018), 93, 351-357	EPA	#1; Appendix 2-2	⑯b ⑰
370	Shoukat, Rana Fartab; Freed, Shoaib; Ahmad, Kanwar Waqas; Ateeq-Ur-Rehman Shoukat, Rana Fartab; Ahmad, Kanwar Waqas Ateeq-Ur-Rehman	2018	Assessment of Binary Mixtures of Entomopathogenic Fungi and Chemical Insecticides on Biological Parameters of Culex pipiens (Diptera: Culicidae) under Laboratory and Field Conditions	PAKISTAN JOURNAL OF ZOOLOGY, (FEB 2018) Vol. 50, No. 1, pp. 299-309. ISSN: 0030-9923.	EPA	#1; Appendix 2-2	⑯b

371	Accinelli, Cesare; Abbas, Hamed K.; Little, Nathan S.; Kotowicz, Jeremy K.; Shier, W. Thomas	2018	Biological control of aflatoxin production in corn using non-aflatoxigenic Aspergillus flavus administered as a bioplastic-based seed coating.	Crop Protection, (MAY 2018) Vol. 107, pp. 87-92.	EPA	#1; Appendix 2-2	⑯b
372	Hong, Xiangsheng; Zhao, Xu; Tian, Xue; Li, Jiasu; Zha, Jinmiao	2018	Changes of hematological and biochemical parameters revealed genotoxicity and immunotoxicity of neonicotinoids on Chinese rare minnows (Gobiocypris rarus)	Environmental Pollution (Oxford, United Kingdom) (2018), 233, 862-871	EPA	#1; Appendix 2-2	⑯b
373	Dubey, S.C.; Singh, Birendra; Tripathi, Aradhika	2018	Integrated management of wet root rot, yellow mosaic, and leaf crinkle diseases of urdbean by seed treatment and foliar spray of insecticide, fungicide, and biocontrol agent	Crop Protection (1 Oct 2018) Volume 112, pp. 269-273, 28 refs. CODEN: CRPTD6 ISSN: 0261-2194 DOI: 10.1016/j.cropro.2018.06.012 Published by: Elsevier Ltd,	EPA	#1; Appendix 2-2	④
374	Chakraborti,S., and P. Karmakar	2018	Rationalizing Pest Management in Sugarcane	Journal of Entomological Research 42(4):479	EPA	#1; Appendix 2-2	④
375	Thube,S.H., G.K. Mahapatro, and M.B. Arun Kumar	2018	In Vitro Evaluation of Insecticides, Bio-Fungicide and Bio-Fertilizer for Strategic and Eco-Friendly Combinatorial Seed Treatments in Chickpea	Proceedings of the National Academy of Sciences, India Section B: Biological Sciences volume 88, pages 645–654 (2018)	EPA	#1; Appendix 2-2	④
376	Antwi, Frank B.; Shrestha, Govinda; Reddy, Gadi V. P.; Jaronski, Stefan T. Antwi, Frank B.; Reddy, Gadi V. P. Jaronski, Stefan T.	2018	Entomopathogens in conjunction with imidacloprid could be used to manage wireworms (Coleoptera: Elateridae) on spring wheat	CANADIAN ENTOMOLOGIST, (FEB 2018) Vol. 150, No. 1, pp. 124-139. ISSN: 0008-347X.	EPA	#1; Appendix 2-2	④
377	Nelson,P.N.	2018	Conservation Biological Control in North Carolina Flue-Cured Tobacco, Focused on the Predator Jalysus wickhami Van Duzee (Hemiptera: Berytidae)	Ph.D.Thesis, North Carolina State University, Raleigh, NC:124 p.	EPA	#1; Appendix 2-6, p 3-4	④
378	Erban Tomas; Sopko Bruno; Talacko Pavel; Harant Karel; Kadlikova Klara; Halesova Tatana; Riddellova Katerina; Pekas Apostolos	2018	Chronic exposure of bumblebees to neonicotinoid imidacloprid suppresses the entire mevalonate pathway and fatty acid synthesis.	Journal of proteomics, (2018 Dec 21) . Electronic Publication Date: 21 Dec 2018	EPA	#1; Appendix 2-2	⑯b
379	Walter, D. E.; Stirling, G. R.	2018	Effect of pesticides on microarthropods in sugarcane soils	Proceedings of the Conference of the Australian Society of Sugar Cane Technologists (2018), 40th, 71-77	EPA	#1; Appendix 2-2	⑯b
380	Sharma, Anket; Kumar, Vinod; Yuan, Huwei; Kanwar, Mukesh Kumar; Bhardwaj, Renu; Thukral, Ashwani Kumar; Zheng, Bingsong	2018	Jasmonic Acid Seed Treatment Stimulates Insecticide Detoxification in Brassica juncea L.	Frontiers in Plant Science, (NOV 2 2018) Vol. 9, pp. Article No.: 1609. ISSN: 1664-462X. E-ISSN: 1664-462X.	EPA	#1; Appendix 2-2	④
381	Shakir, Shakirullah Khan; Irfan, Shahid; Akhtar, Basreen; Rehman, Shafiq Ur; Daud, Muhammad Khan; Taimur, Nadia; Azizullah, Azizullah	2018	Pesticide-induced oxidative stress and antioxidant responses in tomato (Solanum lycopersicum) seedlings	Ecotoxicology (2018) Ahead of Print	EPA	#1; Appendix 2-2	④

382	Moncaleano-Nino, Angela M.; Luna-Acosta, Andrea; Gomez-Cubillos, Maria Camila; Villamil, Luisa; Ahrens, Michael J.	2018	Cholinesterase activity in the cup oyster Saccostrea sp. exposed to chlorpyrifos, imidacloprid , cadmium and copper	Ecotoxicology and Environmental Safety (2018), 151, 242-254	EPA	#1; Appendix 2-2	⑯b
383	Tian, Xue; Yang, Wenjie; Wang, Dong; Zhao, Yue; Yao, Ruihua; Ma, Lekuan; GE, Chazhong; Li, Xiaoliang; Huang, Zeyu; He, Li; Jiao, Wentao; Lin, Aijun	2018	Chronic brain toxicity response of juvenile Chinese rare minnows (Gobiocypris rarus) to the neonicotinoid insecticides imidacloprid and nitenpyram	Chemosphere (2018), 210, 1006-1012	EPA	#1; Appendix 2-2	⑱
384	Hedau, Madhuri; Wankhede, Vaishali; Wade, M.R.	2018	Effect of Butea monosperma feeding in ameliorating the toxicity of imidacloprid in liver in Japanese quails .	Indian Journal of Animal Research, (2018) Vol. 52, No. 12, pp. 1766-1769. Refs: 17 ISSN: 0367-6722	EPA	#1; Appendix 2-2	⑱
385	Kovacevic, Vera; Simpson, Andre J.; Simpson, Myrna J.	2018	Evaluation of Daphnia magna metabolic responses to organic contaminant exposure with and without dissolved organic matter using 1H nuclear magnetic resonance (NMR)-based metabolomics	Ecotoxicology and Environmental Safety (2018), 164, 189-200	EPA	#1; Appendix 2-2	⑱
386	Alvim, Tiago Tomiama; Martinez, Claudia Bueno Dos Reis	2018	Genotoxic and oxidative damage in the freshwater teleost Prochilodus lineatus exposed to the insecticides lambda-cyhalothrin and imidacloprid alone and in combination	Mutation Research, Genetic Toxicology and Environmental Mutagenesis (2018) Ahead of Print	EPA	#1; Appendix 2-2	⑯b
387	Seide, Vanessa Eler; Bernardes, Rodrigo Cupertino; Pereira, Eliseu Jose Guedes; Lima, Maria Augusta Pereira	2018	Glyphosate is lethal and Cry toxins alter the development of the stingless bee Melipona quadrifasciata	Environmental Pollution (Oxford, United Kingdom) (2018), 243(Part_B), 1854-1860	EPA	#1; Appendix 2-2	⑯b
388	Hu, Y.-T.; Tang, C.-K.; Wu, C.-P.; Wu, P.-C.; Yang, E.-C.; Tai, C.-C.; Wu, Y.-L.	2018	Histone deacetylase inhibitor treatment restores memory-related gene expression and learning ability in neonicotinoid-treated Apis mellifera	Insect Molecular Biology (2018), 27(4), 512-521	EPA	#1; Appendix 2-2	⑱
389	Walderdorff, Louise; Laval-Gilly, Philippe; Bonnefoy, Antoine; Falla-Angel, Jairo	2018	Imidacloprid intensifies its impact on honeybee and bumblebee cellular immune response when challenged with LPS (lippopolysacharide) of Escherichia coli	Journal of Insect Physiology (2018), 108, 17-24	EPA	#1; Appendix 2-2	⑱
390	Wang, Yinghuan; Han, Yongtao; Xu, Peng; Guo, Baoyuan; Li, Wei; Wang, Xiangyun	2018	The metabolism distribution and effect of imidacloprid in chinese lizards (Eremias argus) following oral exposure	Ecotoxicology and Environmental Safety (2018), 165, 476-483	EPA	#1; Appendix 2-2	⑯b
391	Gao, Hui-Ju; Sun, Yong-Liang; Song, Gui-Zhen; Su, Bin; Zhang, Meng-Meng; Ren, Chun-Jiu; Wang, Yan-Wen	2018	Preventive effects of N-acetyl-L-cysteine against imidacloprid intoxication on Bombyx mori larvae	Archives of Insect Biochemistry and Physiology (2018) Ahead of Print	EPA	#1; Appendix 2-2	⑱
392	He Zhan; Liu Yuan; Wang Lei; Guo Qiu; Ali Shaukat; Chen Xiao-Sheng; Qiu Bao-Li	2018	Risk Assessment of Two Insecticides on Encarsia formosa, Parasitoid of Whitefly Bemisia tabaci.	Insects, (2018 Sep 11) Vol. 9, No. 3. Electronic Publication Date: 11 Sep 2018	EPA	#1; Appendix 2-2	⑯b
393	Iturburu, Fernando G.; Simoniello, Maria F.; Medici, Sandra; Panzeri, Ana M.; Menone, Mirta L.	2018	Imidacloprid Causes DNA Damage in Fish: Clastogenesis as a Mechanism of Genotoxicity	Bulletin of Environmental Contamination and Toxicology (2018) Ahead of Print	EPA	#1; Appendix 2-2	DNA損傷を調べているが、死亡は見ておらず、リスク評価に用いるエンドポイントが得られていない。

394	Hao, Zhong-Ping; Huang, Fang; Hou, Shu-Min; Yan, Feng-Ming Hao, Zhong-Ping; Hou, Shu-Min Huang, Fang Yan, Feng-Ming	2019	Varietal differences in response to imidacloprid seed treatment in germination and early seedling growth of oilseed rape	SEED SCIENCE AND TECHNOLOGY, (APR 2019) Vol. 47, No. 1, pp. 1-12. ISSN: 0251-0952.	EPA	#1; Appendix 2-3, p 43-44	④
395	Singh,N., N.S. Bhadauria, and P. Singh	2019	Bioefficacy of Plant Extracts Against Mustard Aphid and Their Natural Enemies	FLORA AND FAUNA, 2019 Vol. 25 No. 1 PP 31-33	EPA	#1; Appendix 2-2	⑯b
396	Al-Badran, Ali Abdulameer; Fujiwara, Masami; Mora, Miguel A.	2019	Effects of insecticides, fipronil and imidacloprid, on the growth, survival, and behavior of brown shrimp Farfantepenaeus aztecus	PLoS One (2019), 14(10), e0223641	EPA	#1; Chapter 2, p 2-23 (Figure 2-9); Appendix 2-3, p 14-15	⑯b
397	Naiara Gomes, Ingrid; Ingred Castelan Vieira, Kamilla; Moreira Gontijo, Lessando; Canto Resende, Helder	2019	Honeybee survival and flight capacity are compromised by insecticides used for controlling melon pests in Brazil	Ecotoxicology (2019) Ahead of Print	EPA	#1; Appendix 2-2	⑭ ⑰
398	Chara-Serna, A.M.; Epele, Luis B.; Morrissey, Christy A.; Richardson, John S.	2019	Nutrients and sediment modify the impacts of a neonicotinoid insecticide on freshwater community structure and ecosystem functioning.	Science of the Total Environment, (20 November 2019) Vol. 692, pp. 1291-1303. Refs: 99 ISSN: 0048-9697; E-ISSN: 1879-1026 CODEN: STEVA8	EPA	#1; Appendix 2-2	⑱
399	Challa, G. K.; Firake, D. M.; Behere, G. T.	2019	Bio-pesticide applications may impair the pollination services and survival of foragers of honey bee, Apis cerana Fabricius in oilseed brassica	Environmental Pollution (Oxford, United Kingdom) (2019), 249, 598-609	EPA	#1; Chapter 2, p 2-44 (Figure 2-23)	⑭ ⑯b
400	Hayasaka, Daisuke; Kobashi, Koji; Hashimoto, Koya	2019	Community responses of aquatic insects in paddy mesocosms to repeated exposures of the neonicotinoids imidacloprid and dinotefuran	Ecotoxicology and Environmental Safety (2019), 175, 272-281	EPA	#1; Appendix 2-2	⑱
401	Rezac Milan; Rezacova Veronika; Heneberg Petr	2019	Contact application of neonicotinoids suppresses the predation rate in different densities of prey and induces paralysis of common farmland spiders.	Scientific reports, (2019 Apr 05) Vol. 9, No. 1, pp. 5724. Electronic Publication Date: 5 Apr 2019	EPA	#1; Chapter 2, p 2-48 (Figure 2-26)	⑯b
402	Pazini, Juliano De Bastos; Padilha, Aline Costa; Cagliari, Deise; Bueno, Flavio Amaral; Rakes, Matheus; Zotti, Moises Joao; Martins, Jose Francisco Da Silva; Grutzmacher, Anderson Dionei	2019	Differential impacts of pesticides on Euschistus heros (Hem.: Pentatomidae) and its parasitoid Telenomus podisi (Hym.: Platygastridae)	Scientific Reports (2019), 9(1), 1-10	EPA	#1; Chapter 2, p 2-8, 2-9, 2-48 (Figure 2-26)	⑯b
403	Oliver, Rebecca; Fuhrmann, Marine; Hick, Paul	2019	Effect of air exposure , handling stress and imidacloprid on the susceptibility of Crassostrea gigas to Ostreid herpesvirus 1 (OsHV-1).	Aquaculture Environment Interactions, (2019) Vol. 11, pp. 685-699. E-ISSN: 1869-7534.	EPA	#1; Chapter 2, p 2-23 (Figure 2-9)	⑯b
404	Shan, Yuan; Yan, Saihong; Hong, Xiangsheng; Zha, Jinmiao; Qin, Jianhui	2019	Effect of imidacloprid on the behavior , antioxidant system, multixenobiotic resistance, and histopathology of Asian freshwater clams (Corbicula fluminea)	Aquatic Toxicology (2019) Ahead of Print	EPA	#1; Appendix 2-2	⑯b
405	Hong, Xiangsheng; Zha, Jinmiao	2019	Fish behavior : A promising model for aquatic toxicology research	Science of the Total Environment (2019), 686, 311-321	EPA	#1; Appendix 2-2	⑱

406	Jacob, Cynthia Renata De Oliveira; Zanardi, Odimar Zanuzo; Malaquias, Jose Bruno; Souza Silva, Carina Aparecida; Yamamoto, Pedro Takao	2019	The impact of four widely used neonicotinoid insecticides on Tetragonisca angustula (Latreille) (Hymenoptera: Apidae)	Chemosphere (2019), 224, 65-70	EPA	#1; Chapter 2, p 2-40 (Figure 2-20)	⑯b
407	Neury-Ormanni, Julie; Doose, Caroline; Majdi, Nabil; Vedrenne, Jacky; Morin, Soizic; Hoess, Sebastian; Traunspurger, Walter	2019	Tolerance of free-living nematode species to imidacloprid and diuron.	Invertebrate Biology, (DEC 2019) Vol. 138, No. 4, pp. Article No.: e12272. ISSN: 1077-8306. E-ISSN: 1744-7410.	EPA	#1; Appendix 2-2	⑯b
408	De Lima E Silva, Claudia; De Rooij, Winona; Verweij, Rudo A.; Van Gestel, Cornelis A. M.	2019	Toxicity in Neonicotinoids to Folsima candida and Eisenia andrei	Environmental Toxicology and Chemistry (2019) Ahead of Print	EPA	#1; Chapter 2, p 2-47 (Figure 2-25)	⑯b
409	Bandeira, Felipe Ogliari; Alves, Paulo Roger Lopes; Hennig, Thuanne Braulio; Schiehl, Aline; Cardoso, Elke Jurandy Bran Nogueira; Baretta, Dilmar	2019	Toxicity of imidacloprid to the earthworm Eisenia andrei and collembolan Folsomia candida in three contrasting tropical soils	Journal of Soils and Sediments (2019) Ahead of Print	EPA	#1; Chapter 2, p 2-8, 2-36, 2-41, 2-47 (Figure 2-25)	⑯b
410	Ewere, Endurance E.; Powell, Daniel; Rudd, David; Reichelt-Brushett, Amanda; Mouatt, Peter; Voelcker, Nicolas H.; Benkendorff, Kirsten	2019	Uptake, depuration and sublethal effects of the neonicotinoid, imidacloprid , exposure in Sydney rock oysters	Chemosphere (2019), 230, 1-13	EPA	#1; Appendix 2-2	⑯b
411	Macaulay, Samuel J.; Buchwalter, David B.; Matthaei, Christoph D.	2019	Water temperature interacts with the insecticide imidacloprid to alter acute lethal and sublethal toxicity to mayfly larvae	New Zealand Journal of Marine and Freshwater Research (2019) Ahead of Print	EPA	#1; Appendix 2-5, p 4	⑯b
412	Skouras, Panagiotis J.; Brokaki, Marina; Stathas, George J.; Demopoulos, Vasilios; Louloudakis, Giannis; Margaritopoulos, John T.	2019	Lethal and sub-lethal effects of imidacloprid on the aphidophagous coccinellid hippodamia variegata	Chemosphere (2019), 229, 392-400	EPA	#1; Appendix 2-6, p 4	⑯b
413	Rezac Milan; Rezacova Veronika; Heneberg Petr	2019	Neonicotinoid insecticides limit the potential of spiders to re-colonize disturbed agroecosystems when using silk-mediated dispersal.	Scientific reports, (2019 Aug 22) Vol. 9, No. 1, pp. 12272. Electronic Publication Date: 22 Aug 2019	EPA	#1; Chapter 2, p 2-48 (Figure 2-26)	⑯b
414	Addy-Orduna, Laura M.; Brodeur, Julie C.; Mateo, Rafael	2019	Oral acute toxicity of imidacloprid , thiamethoxam and clothianidin in eared doves: A contribution for the risk assessment of neonicotinoids in birds	Science of the Total Environment (2019), 650(Part_1), 1216-1223	EPA	#1; Chapter 2, p 2-27	⑭
415	Jones Asher G; Hoover Kelli; Pearsons Kirsten; Tooker John F; Felton Gary W	2019	Potential Impacts of Translocation of Neonicotinoid Insecticides to Cotton (Gossypium hirsutum (Malvales: Malvaceae)) Extrafloral Nectar on Parasitoids.	Environmental entomology, (2019 Dec 27) . Electronic Publication Date: 27 Dec 2019	EPA	#1; Appendix 2-6, p 3	⑯b
416	Booth, Steven R.; Patten, Kim; New, Leslie	2019	Response of estuarine benthic invertebrates to field applications of insecticide	Estuarine, Coastal and Shelf Science (2019), 218, 86-94	EPA	#1; Appendix 2-2	⑰

417	Americo-Pinheiro, Juliana Heloisa Pine; Da Cruz, Claudinei; Aguiar, Mario Mamede; Torres, Nadia Hortense; Ferreira, Luiz Fernando Romanholo; Machado-Neto, Joaquim Goncalves	2019	Sublethal Effects of Imidacloprid in Hematological Parameters of Tilapia (Oreochromis niloticus)	Water, Air, and Soil Pollution (2019), 230(8), 1-7	EPA	#1; Appendix 2-2	⑯b ⑱
418	Bebane P S A; Hunt B J; Pegoraro M; Jones A R C; Marshall H; Rosato E; Mallon E B	2019	The effects of the neonicotinoid imidacloprid on gene expression and DNA methylation in the buff-tailed bumblebee Bombus terrestris.	Proceedings. Biological sciences, (2019 Jun 26) Vol. 286, No. 1905, pp. 20190718. Electronic Publication Date: 19 Jun 2019	EPA	#1; Appendix 2-2	⑯b
419	Muth, F.; Leonard, A. S.	2019	A neonicotinoid pesticide impairs foraging, but not learning, in free-flying bumblebees.	Scientific Reports, (MAR 18 2019) Vol. 9, pp. Article No.: 4764. ISSN: 2045-2322. E-ISSN: 2045-2322.	EPA	#1; Appendix 2-2	⑯b
420	Kremer Aspen N; King Bethia H	2019	A Neonicotinoid Affects the Mating Behavior of Spalangia endius (Hymenoptera: Pteromalidae), a Biological Control Agent of Filth Flies.	Environmental entomology, (2019 Mar 15) . Electronic Publication Date: 15 Mar 2019	EPA	#1; Appendix 2-2	⑯b
421	James David G	2019	A Neonicotinoid Insecticide at a Rate Found in Nectar Reduces Longevity but Not Oogenesis in Monarch Butterflies, Danaus plexippus (L.). (Lepidoptera: Nymphalidae).	Insects, (2019 Sep 01) Vol. 10, No. 9. Electronic Publication Date: 1 Sep 2019	EPA	#1; Appendix 2-2	⑯b
422	Eng, Margaret L.; Stutchbury, Bridget J. M.; Morrissey, Christy A.	2019	A neonicotinoid insecticide reduces fueling and delays migration in songbirds	Science (Washington, DC, United States) (2019), 365(6458), 1177-1180	EPA	#1; Appendix 2-2	⑱(渡り鳥の渡り(移動)への影響)
423	Anderson, Nicholas L.; Harmon-Threatt, Alexandra N.	2019	Chronic contact with realistic soil concentrations of imidacloprid affects the mass, immature development speed, and adult longevity of solitary bees .	Scientific Reports, (MAR 6 2019) Vol. 9, pp. Article No.: 3724. ISSN: 2045-2322. E-ISSN: 2045-2322.	EPA	#1; Appendix 2-2	⑯b
424	Kremer, A. N.; King, B. H.	2019	Decaying organic matter does not remove sublethaleffects of imidacloprid on mating in Spalangia endius(Hymenoptera: Pteromalidae), a parasitoid of filth flies	Journal of Economic Entomology (2019), 112(5), toz156	EPA	#1; Appendix 2-2	⑯b
425	Burgess, Edwin R., IV.; Watkins, Sydney M.; King, Bethia H.; Chantos-Davidson, Karley; Kremer, Aspen N.; Tournear, Jennifer C.; Morrow, Joseph; Hagen, Timothy J.; Gaillard, Elizabeth R.	2019	Dissemination of imidacloprid through dairy cattle manure and its effect on the biological control agent, Spalangia endius (Hymenoptera: Pteromalidae), and a filth fly host, Musca domestica (Diptera: Muscidae)	Journal of Economic Entomology (2019), 112(2), 974-980	EPA	#1; Appendix 2-2	⑯b
426	Wu, Chung-Hsin; Lin, Ching-Lung; Wang, Sheue-Er; Lu, Chen-Wen	2019	Effects of imidacloprid , a neonicotinoid insecticide, on the echolocation system of insectivorous bats	Pesticide Biochemistry and Physiology (2019) Ahead of Print	EPA	#1; Appendix 2-2	⑯b
427	Butt, Abida; Talib, Rabia; Khan, Muhammad Xaaceph	2019	Effects of insecticides on the functional response of spider Oxyopes javanus against aphid Sitobion avenae	International Journal of Agriculture and Biology (2019), 22(3), 503-509	EPA	#1; Appendix 2-2	⑯b
428	Yang, Lu; Shen, Qiuxuan; Zeng, Tao; Li, Jianzhong; Li, Wei; Wang, Yinghuan	2019	Enrichment of imidacloprid and its metabolites in lizards and its toxic effects on gonads	Environmental Pollution (Oxford, United Kingdom) (2019) Ahead of Print	EPA	#1; Appendix 2-2	⑯b

429	Morales, Sinue I.; Martinez, Ana M.; Figueroa, Jose I.; Campos-Garcia, Jesus; Gomez-Tagle, Alberto; Lobit, Philippe; Smagghe, Guy; Pineda, Samuel	2019	Foliar persistence and residual activity of four insecticides of different mode of action on the predator Engytatus varians (Hemiptera: Miridae)	Chemosphere (2019), 235, 76-83	EPA	#1; Appendix 2-2	⑯b
430	Ewere, Endurance E.; Reichelt-Brushett, Amanda; Benkendorff, Kirsten	2019	Imidacloprid and formulated product impacts the fatty acids and enzymatic activities in tissues of Sydney rock oysters, Saccostrea glomerata	Marine Environmental Research (2019) Ahead of Print	EPA	#1; Chapter 2, p 2-23 (Figure 2-9)	⑯b
431	Skouras, Panagiotis J.; Stathas, George J.; Demopoulos, Vasilios; Louloudakis, Giannis; Margaritopoulos, John T.	2019	The effect of five insecticides on the predators Coccinella septempunctata and Hippodamia variegata	Phytoparasitica (2019), 47(2), 197-205	EPA	#1; Appendix 2-2	⑯b
432	Zhu, Yu Cheng; Yao, Jianxiu; Adamczyk, John	2019	Long-term risk assessment on noneffective and effective toxic doses of imidacloprid to honeybee workers	Journal of Applied Entomology (2019), 143(1-2), 118-128	EPA	#1; Appendix 2-2	⑭
433	Wang, Xing; Zhu, Xinping; Peng, Qi; Wang, Yanhua; GE, Jing; Yang, Guiling; Wang, Xinquan; Cai, Leiming; Shen, Weifeng	2019	Multi-level ecotoxicological effects of imidacloprid on earthworm (Eisenia fetida)	Chemosphere (2019), 219, 923-932	EPA	#1; Chapter 2, p 2-47 (Figure 2-25)	⑯b
434	Kenna Daniel; Cooley Hazel; Pretelli Ilaria; Ramos Rodrigues Ana; Gill Steve D; Gill Richard J	2019	Pesticide exposure affects flight dynamics and reduces flight endurance in bumblebees.	Ecology and evolution, (2019 May) Vol. 9, No. 10, pp. 5637-5650. Electronic Publication Date: 29 Apr 2019	EPA	#1; Appendix 2-2	⑯b
435	Mansoor, Muhammad Mudassir; Shad, Sarfraz Ali	2019	Resistance, its stability and reversion rate of resistance to imidacloprid , indoxacarb and chlorfenapyr in a field population of green lacewing Chrysoperla carnea (Stephens) (Neuroptera: Chrysopidae)	Archives of Phytopathology and Plant Protection (2019) Ahead of Print	EPA	#1; Appendix 2-2	⑯b
436	Zhu Yu-Cheng; Wang Yanhua; Portilla Maribel; Parys Katherine; Li Wenhong	2019	Risk and Toxicity Assessment of a Potential Natural Insecticide, Methyl Benzoate, in Honey Bees (Apis mellifera L.).	Insects, (2019 Nov 01) Vol. 10, No. 11. Electronic Publication Date: 1 Nov 2019	EPA	#1; Appendix 2-2	⑭
437	Al Naggar, Yahya; Giesy, John P.; El Kholy, Samar	2019	Sublethal effects of chronic exposure to chlorpyrifos or imidacloprid insecticides or their binary mixtures on Culex pipiens mosquitoes	Physiological Entomology (2019), 44(2), 123-132	EPA	#1; Chapter 2, p 2-21 (Figure 2-7), 2-22 (Figure 2-8)	⑯b
438	Avery,P.B., V. Kumar, E.A. Skvarch, C.M. Mannion, C.A. Powell, C.L. Mckenzie, and L.S. Osborne	2019	An Ecological Assessment of Isaria fumosorosea Applications Compared to a Neonicotinoid Treatment for Regulating Invasive Ficus Whitefly	J Fungi (Basel). 2019 Jun; 5(2): 36	EPA	#1; Appendix 2-2	④
439	Liang,Y.J., X.Q. Zhang, L. Yang, X.H. Liu, L.T. Yang, and Y.R. Li	2019	Impact of Seed Coating Agents on Single-Bud Seedcane Germination and Plant Growth in Commercial Sugarcane Cultivation	Sugar Tech volume 21, pages383–387 (2019)	EPA	#1; Appendix 2-2	④
440	Dani, Vivek D.; Lankadurai, Brian P.; Nagato, Edward G.; Simpson, Andre J.; Simpson, Myrna J.	2019	Comparison of metabolomic responses of earthworms to sub - lethal imidacloprid exposure in contact and soil tests	Environmental Science and Pollution Research (2019) Ahead of Print	EPA	#1; Appendix 2-2	⑯b

441	Fuu, Iiantao; Zhaou, Huanhuan; Anu, Yuxing; Luu, Yinglin; Chenu, Lijun; Daiu, Sixing; Gong, Hengliang; Sun, Donglei	2019	Spatial, temporal distribution and efficacy of imidacloprid via drip irrigation in sugarcane and soil applied in South China	Fresenius Environmental Bulletin (2019), 28(11A), 8540-8547	EPA	#1; Appendix 2-2	⑰
442	Sharma, Anket; Yuan, Huwei; Kumar, Vinod; Ramakrishnan, M.; Kohli, Sukhmeen Kaur; Kaur, Ravdeep; Thukral, Ashwani Kumar; Bhardwaj, Renu; Zheng, Bingsong	2019	Castasterone attenuates insecticide induced phytotoxicity in mustard	Ecotoxicology and Environmental Safety (2019), 179, 50-61	EPA	#1; Appendix 2-2	④
443	Faria, Melissa; Bedrossiantz, Juliette; Prats, Eva; Rovira Garcia, Xavier; Gomez-Canela, Cristian; Pina, Benjamin; Raldua, Demetrio	2019	Deciphering the mode of action of pollutants impairing the fish larvae escape response with the vibrational startle response assay	Science of the Total Environment (2019), 672, 121-128	EPA	#1; Appendix 2-2	⑱
444	Milosavljevic, Ivan; Esser, Aaron D.; Murphy, Kevin M.; Crowder, David W.	2019	Effects of imidacloprid seed treatments on crop yields and economic returns of cereal crops	Crop Protection (2019), 119, 166-171	EPA	#1; Appendix 2-2	④
445	Liu, Wei; Tian, Jiahua; Hou, Nannan; Yu, Na; Zhang, Yixi; Liu, Zewen	2019	Identification, genomic organization and expression pattern of glutathione transferase in Pardosa pseudoannulata	Comparative Biochemistry and Physiology, Part D: Genomics and Proteomics (2019) Ahead of Print	EPA	#1; Appendix 2-2	⑯b
446	Lukaszewicz German; Iturburu Fernando G; Garanzini Daniela S; Menone Mirta L; Pflugmacher Stephan	2019	Imidacloprid modifies the mitotic kinetics and causes both aneugenic and clastogenic effects in the macrophyte Bidens laevis L.	Heliyon, (2019 Jul) Vol. 5, No. 7, pp. e02118. Electronic Publication Date: 24 Jul 2019	EPA	#1; Appendix 2-2	⑯b
447	Li, Biao; Yang, Mei; Shi, Rui; Ye, Min	2019	Insecticidal Activity of Natural Capsaicinoids Against Several Agricultural Insects	Natural Product Communications (2019), 14(7), 1934578X19862695	EPA	#1; Appendix 2-2	⑯b
448	Lv, Yueying; Bing, Qizheng; Lv, Zhanjun; Xue, Jiangdong; Li, Siyu; Han, Bing; Yang, Qingyue; Wang, Xiaoqiao; Zhang, Zhigang	2020	Imidacloprid -induced liver fibrosis in quails via activation of the TGF-beta 1/Smad pathway.	Science of the Total Environment, (FEB 25 2020) Vol. 705, pp. Article No.: 135915.	EPA	#1; Appendix 2-3, p 30	鳥類の肝臓への影響を調べており、日本の評価に用いることが可能なエンドポイントは報告されていない。
449	Fioresi, Vinicius Sartori; Vieira, Barbara De Cassia Ribeiro; Salabert De Campos, Jose Marcello; Souza, Tatiana Da Silva	2020	Cytogenotoxic activity of the pesticides imidacloprid and iprodione on Allium cepa root meristem	Environmental Science and Pollution Research (2020) Ahead of Print	EPA	#1; Appendix 2-3, p 38-39	タマネギの根分裂に対する毒性
450	Neury-Ormanni, Julie; Doose, Caroline; Majdi, Nabil; Vedrenne, Jacky; Traunspurger, Walter; Morin, Soizic	2020	Selective grazing behaviour of chironomids on microalgae under pesticide pressure	Science of the Total Environment (2020), 730, 138673	EPA	#1; Appendix 2-2	⑱ユスリカの摂食行動への影響

451	Cunha Pereira Renata; Faria Barbosa Wagner; Pereira Lima Maria Augusta; Vieira Jose Olivio Lopes Jr; Carvalho Guedes Raul Narciso; Rodrigues Da Silva Brenda Karina; Dias Barbosa Guilherme Mateus; Lemes Fernandes Flavio	2020	Toxicity of botanical extracts and their main constituents on the bees Partamona helleri and Apis mellifera.	Ecotoxicology (London, England), (2020 Mar 13) . Electronic Publication Date: 13 Mar 2020	EPA	#1; Chapter 2, p 2-40 (Figure 2-20)	評価書に掲載されているものの、SSDに使用されておらず、評価に利用されていない。接触毒性試験は、容器に薬剤を噴霧後にミツバチを3時間放しており、ミツバチあたりの暴露量が求められない。経口毒性試験は、摂餌量が報告されておらず暴露量が不明であること、20分後に全死したとあるが、死亡発現までの時間がイミダクロプリドの投与としては極端に短いこと、0.0002-3.988ng/μLの幅広い用量で実施したにもかかわらず、用量と死亡の関係が示されておらず、用量反応性が不明であること、結果がLC50 0.09ng/beeとされておりLC/LDまたは単位に誤記があること、LD50 0.09ng/beeとすると他のミツバチを用いた各種文献等のLD50値より極端に低い値であることから、報告されている結果に対して疑義が強い。
452	Almasri, Hanine; Tavares, Daiana Antonia; Pioz, Maryline; Sene, Deborah; Tchamitchian, Sylvie; Cousin, Marianne; Brunet, Jean-Luc; Belzunces, Luc P.	2020	Mixtures of an insecticide, a fungicide and a herbicide induce high toxicities and systemic physiological disturbances in winter Apis mellifera honey bees .	Ecotoxicology and Environmental Safety, (15 October 2020) Vol. 203. arn. 111013. Refs: 97 ISSN: 0147-6513; E-ISSN: 1090-2414 CODEN: EESADV	EPA	#1; Appendix 2-2	ミツバチに対してイミダクロプリド、ジフェノコナゾール、グリホサートを単独または混合で20日間投与(60%スクロース, 0.1, 1, 10μg/L)。既存のデータから本濃度設定は死亡の増加は予想されないが、1μg/Lで死亡の有意な増加が認められている(用量反応性のない死亡の増加)。また、イミダクロプリドよりもグリホサートのほうが死亡が多い。イミダクロプリドについて濃度分析しているがGC-MS/MSで行っており、定量が可能か疑問である。以上より暴露が適切になされているか疑義がある。
453	Delpuech, Jean-Marie	2020	Superparasitism by a parasitoid wasp: The absence of sublethal effects from the neonicotinoid insecticide imidacloprid enlightens the specificity of the cholinergic pathway involved	Ecotoxicology and Environmental Safety (2020), 201, 110809	EPA	#1; Chapter 2, p 2-40 (Figure 2-20)	⑯b
454	Reid, Rebecca J.; Troczka, Bartlomiej J.; Kor, Laura; Randall, Emma; Williamson, Martin S.; Field, Linda M.; Nauen, Ralf; Bass, Chris; Davies, T. G. Emyr	2020	Assessing the acute toxicity of insecticides to the buff-tailed bumblebee (Bombus terrestris audax)	Pesticide Biochemistry and Physiology (2020) Ahead of Print	EPA	#1; Chapter 2, p 2-44 (Figure 2-23)	⑯b
455	Bandeira, Felipe Ogliari; Lopes Alves, Paulo Roger; Hennig, Thuanne Braulio; Toniolo, Tania; Natal-Da-Luz, Tiago; Baretta, Dilmar	2020	Effect of temperature on the toxicity of imidacloprid to Eisenia andrei and Folsomia candida in tropical soils	Environmental Pollution (Oxford, United Kingdom) (2020), 267, 115565	EPA	#1; Chapter 2, p 2-46, 2-47 (Figure 2-25)	⑯b

456	Hong, Yuhang; Huang, Yi; Wu, Shu; Yang, Xiaozhen; Dong, Yanzhen; Xu, Dayong; Huang, Zhiqiu	2020	Effects of imidacloprid on the oxidative stress, detoxification and gut microbiota of Chinese mitten crab, Eriocheir sinensis	Science of the Total Environment (2020), 729, 138276	EPA	#1; Appendix 2-2	⑯b
457	Butcherine, Peter; Kelaher, Brendan P.; Taylor, Matthew D.; Barkla, Bronwyn J.; Benkendorff, Kirsten	2020	Impact of imidacloprid on the nutritional quality of adult black tiger shrimp (Penaeus monodon)	Ecotoxicology and Environmental Safety (2020) Ahead of Print	EPA	#1; Chapter 2, p 2-23 (Figure 2-9)	⑱
458	Naiel, Mohammed A. E.; Ismael, Nahla E. M.; Abd El-Hameed, Samah A. A.; Amer, Mahmoud S.	2020	The antioxidative and immunity roles of chitosan nanoparticle and vitamin C-supplemented diets against imidacloprid toxicity on Oreochromis niloticus	Aquaculture (2020), 523, 735219	EPA	#1; Appendix 2-3, p 2	⑭ ⑯b 96h LC50は0.109μg/Lとされているが、EPA評価書は0.109mg/Lの可能性を指摘している。
459	Karmakar, Prasun; Shera, P. S.	2020	Lethal and sublethal effects of insecticides used in cotton crop on the mealybug endoparasitoid Aenasius arizonensis	International Journal of Pest Management (2020), 66(1), 13-22	EPA	#1; Chapter 2, p 2-48 (Figure 2-26)	⑯b
460	Heneberg, Petr; Bogusch, Petr; Astapenkova, Alena; Rezac, Milan	2020	Neonicotinoid insecticides hinder the pupation and metamorphosis into adults in a crabronid wasp	Scientific Reports (2020), 10(1), 7077	EPA	#1; Chapter 2, p 2-48 (Figure 2-26)	⑯b
461	Syromyatnikov, Mikhail Y.; Gureev, Artem P.; Starkova, Natalia N.; Savinkova, Olga V.; Starkov, Anatoly A.; Lopatin, Alexey V.; Popov, Vasily N.	2020	Method for detection of mtDNA damages for evaluating of pesticides toxicity for bumblebees (Bombus terrestris L.)	Pesticide Biochemistry and Physiology (2020), 169, 104675	EPA	#1; Appendix 2-2	⑯b
462	Ahmed Mohamed Ahmed Ibrahim; Othman Aly Abd-Elhameed	2020	Piperonyl Butoxide Enhances the Insecticidal Toxicity of Nanoformulation of Imidacloprid on Culex pipiens (Diptera: Culicidae) Mosquito.	Vector borne and zoonotic diseases (Larchmont, N.Y.), (20200200) Vol. 20, No. 2, pp. 134-142. Electronic Publication Date: 13 Aug 2019	EPA	#1; Appendix 2-5, p 4	⑯b
463	Hussain, Muhammad Jaffar; Aqueel, Muhammad Anjum; Abu Bakar; Raza, Muhammad; Abbas, Saqi Kosar	2020	Laboratory evaluation of different insecticides against Brevicoryne brassicae and its parasitoid, Diaeretiella rapae (Hymenoptera: Braconidae: Aphidiinae)	Pure and Applied Biology (2020), 9(1), 256-268	EPA	#1; Appendix 2-2	⑯b
464	Burgess Edwin R; King B H	2020	A Field-Relevant Concentration of the Insecticide Imidacloprid Affects Grooming, Locomotion, and Longevity in the Biological Control Agent Spalangia endius (Hymenoptera: Pteromalidae).	Environmental entomology, (20200613) Vol. 49, No. 3, pp. 566-571.	EPA	#1; Appendix 2-2	⑯b
465	Lekvongphiboon, Pakorn; Praphairaksit, Nalena	2020	Combined toxicity of imidacloprid and cadmium on histopathology and acetylcholinesterase activity in aquatic oligochaetes (Tubifex tubifex Muller, 1774)	Environmental Geochemistry and Health (2020) Ahead of Print	EPA	#1; Appendix 2-5, p 5	⑯b
466	Hasan, Fazil; Mahboob, Shahid; Al-Ghanim, Khalid A.; Al-Misned, Fahad; Dhillon, Mukesh K.; Manzoor, Uzma	2020	Ecotoxicity of neonicotinoids and diamides on population growth performance of Zygogramma bicolorata (Coleoptera: Chrysomelidae)	Ecotoxicology and Environmental Safety (2020), 203, 110998	EPA	#1; Appendix 2-2	⑯b
467	Phelps, Jordan D.; Strang, Caroline G.; Sherry, David F.	2020	Imidacloprid impairs performance on a model flower handling task in bumblebees (Bombus impatiens)	Ecotoxicology (2020), 29(3), 359-374	EPA	#1; Appendix 2-2	⑯b

468	Barraud, A.; Vanderplanck, M.; Nadarajah, S.; Michez, D.	2020	The impact of pollen quality on the sensitivity of bumblebees to pesticides.	Acta Oecologica (2020), Volume 105 ISSN: 1146-609X DOI: 10.1016/j.actao.2020.103552 Published by: Elsevier Masson, Paris	EPA	#1; Appendix 2-2	⑯b
469	Contardo-Jara, Valeska; Gessner, Mark O.	2020	Uptake and physiological effects of the neonicotinoid imidacloprid and its commercial formulation Confidor in a widespread freshwater oligochaete	Environmental Pollution (Oxford, United Kingdom) (2020), 264, 114793	EPA	#1; Appendix 2-2	⑯b
470	Morales, Sinue I.; Martinez, Ana M.; Vinuela, Elisa; Figueroa, Jose I.; Tamayo, Fernando; Rodriguez-Leyva, Esteban; Pineda, Samuel	2020	Parasitism, host feeding, and transgenerational effects of three insecticides on the eulophid parasitoid Tamarixia triozae when exposed in the immature stages	Environmental Science and Pollution Research (2020), 27(16), 19473-19483	EPA	#1; Appendix 2-2	⑯b
471	Gharaei, A.; Karimi, M.; Harijani, J. M.; Miri, M.; Faggio, C.	2020	Population growth of Brachionus calyciflorus affected by deltamethrin and imidacloprid insecticides.	Iranian Journal of Fisheries Sciences (2020) , Volume 19, Number 2, pp. 588-601, many ref. ref. ISSN: 1562-2916 DOI: 10.22092/ijfs.2018.117180 Published by: Iranian Fisheries Science Research Institute, Tehran	EPA	#1; Appendix 2-2	⑯b
472	Hussain, Ghulam; Asrar, Muhammad; Hussain, Dilbar; Khurum Zia; Rashid, Abdul; Anwar, Hina; Azeem, Muhammad; Hussain, Saddam; Sabeen Asghar	2020	The Comparative Toxicity of some Insecticides and Plant Extracts against Cotton Mealy Bug (Phenacocccus solenopsis)	Pakistan Journal of Agricultural Research, Vol. 33, No. 1, 20200331 ISSN: 0251-0480 E-ISSN: 2227-8311 Published by: AsiaNet Pakistan (Pvt) Ltd., Islamabad	EPA	#1; Appendix 2-2	④
473	Pandya, Parth; Parikh, Pragna; Ambegaonkar, Ankita Pandya, Parth Pandya, Parth Parikh, Pragna; Ambegaonkar, Ankita	2020	Evaluating the toxic potential of agrochemicals on the hypothalamic-pituitary-thyroid axis in tilapia (Oreochromis mossambicus)	JOURNAL OF APPLIED ICHTHYOLOGY, (26 2020 JAN 2020) . ISSN: 0175-8659.	EPA	#1; Appendix 2-2	⑯b ⑱亜致死濃度での生理学的影響
474	Tian, Xue; Hong, Xiangsheng; Yan, Saihong; Li, Xiaoliang; Wu, Huihui; Lin, Aijun; Yang, Wenjie	2020	Neonicotinoids caused oxidative stress and DNA damage in juvenile Chinese rare minnows (Gobiocypris rarus)	Ecotoxicology and Environmental Safety (2020), 197, 110566	EPA	#1; Appendix 2-2	⑱
475	Zhang, Xiaoni; Chen, Lingyun; Leng, Ruyue; Zhang, Jian; Zhou, Yuhang; Zhang, Yuying; Yang, Silin; He, Kan; Huang, Bei	2020	Mechanism study of the beneficial effect of sodium selenite on metabolic disorders in imidacloprid -treated garlic plants	Ecotoxicology and Environmental Safety (2020), 200, 110736	EPA	#1; Appendix 2-2	④
476	Joseph, Shimat V.	2020	Repellent effects of insecticides on Stephanitis pyrioides Scott (Hemiptera: Tingidae) under laboratory conditions	Crop Protection (2020), 127, 104985	EPA	#1; Appendix 2-2	④
477	Marcal, R.; Pacheco, M.; Guilherme, S.	2020	DNA of crayfish spermatozoa as a target of waterborne pesticides - An ex vivo approach as a tool to short-term spermiotoxicity screening	Journal of Hazardous Materials (2020), 400, 123300	EPA	#1; Appendix 2-2	⑱
478	Sharma, Anamika; Jaronski, Stefan; Reddy, Gadi V. P. Sharma, Anamika Sharma, Anamika Jaronski, Stefan Reddy, Gadi V. P.	2020	Impact of granular carriers to improve the efficacy of entomopathogenic fungi against wireworms in spring wheat	JOURNAL OF PEST SCIENCE, (2020 JAN 2020) Vol. 93, No. 1, pp. 275-290. ISSN: 1612-4758.	EPA	#1; Appendix 2-2	⑯b

479	Astaykina, A. A.; Streletskii, R. A.; Maslov, M. N.; Belov, A. A.; Gorbatov, V. S.; Stepanov, A. L.	2020	The impact of pesticides on the microbial community of agrosoddy-podzolic soil.	Eurasian Soil Science (2020) , Volume 53, Number 5, pp. 696-706, 53 refs. ISSN: 1064-2293 DOI: 10.1134/S1064229320050038 Published by: Pleiades Publishing, Moscow	EPA	#1; Appendix 2-2	⑯b
480	Ewere, Endurance E.; Reichelt-Brushett, Amanda; Benkendorff, Kirsten	2020	The neonicotinoid insecticide imidacloprid , but not salinity, impacts the immune system of Sydney rock oyster, Saccostrea glomerata	Science of the Total Environment (2020), 742, 140538	EPA	#1; Appendix 2-2	⑯b
481	Marques, R D; Lima, M A P; Bernardes, R C	2020	Spinosad-Based Formulation Reduces the Survival and Alters the Behavior of the Stingless Bee Plebeia lucii	Neotropical entomology (Aug 2020) , Volume 49, Number 4, pp. 578-585, 8 p. ISSN: 1519-566X Source Note: 202008, v. 49, no. 4	EPA	#1; Appendix 2-2	⑯b

a: 数字および記号は3(1)及び(2)に記載した判断理由を示す。

#1: EPA, draft Biological Evaluation, 2021

#2: EPA, Final Bee Risk Assessment to Support the Registration Review of Imidacloprid, 2020

#3: EFSA, Peer review of the pesticide risk assessment for bees for the active substance imidacloprid considering the uses as seed treatments and granules, 2018

#4: EFSA, Conclusion on the peer review of the pesticide risk assessment for bees for the active substance imidacloprid considering all uses other than seed treatments and granules, 2015

別添 4-2-4

海外評価引用文献のうち適合性なしと判断した論文：環境動態

No.	著者	出版年	論文表題	掲載誌名、号、ページ等	評価機関	評価書情報(発行年等)	判断理由[a]
1	Zhou, Qingxiang; Ding, Yujie; Xiao, Junping	2006	Sensitive determination of thiamethoxam, imidacloprid and acetamiprid in environmental water samples with solid-phase extraction packed with multiwalled carbon nanotubes prior to high-performance liquid chromatography	Analytical and Bioanalytical Chemistry (2006), 385(8), 1520-1525	EFSA	#4; p 22, 33, 90, 228, 337-338, 540	海外モニタリングであり、日本における評価に利用できない。
2	Mulrooney, J. E.; Davis, M. K.; Wagner, T. L.; Ingram, R. L.	2006	Persistence and efficacy of termiticides used in preconstruction treatments to soil in Mississippi	Journal of Economic Entomology (2006), 99(2), 469-475	EFSA	#4; p 38, 108, 443	農薬に関する文献ではない。
3	Triantafyllidis, Vassilios; Hela, Dimitra; Dimopoulos, Panayiotis; Albanis, Triantafyllos	2006	Imidacloprid losses in surface runoff from plots cultivated with tobacco	International Journal of Environmental Analytical Chemistry (2006), 86(3-4), 185-194	EFSA	#4; p 38, 108, 443-445	⑰
4	Lamers, Marc; Anyusheva, Maria; La, Nguyen; Nguyen, Van Vien; Streck, Thilo	2011	Pesticide pollution in surface-and groundwater by Paddy Rice cultivation: A case study from northern Vietnam	Clean: Soil, Air, Water (2011), 39(4), 356-361	EFSA	#4; p 103, 400-401	⑰
5	Delorenzo, Marie E.; Thompson, Brian; Cooper, Emily; Moore, Janet; Fulton, Michael H.	2012	A long-term monitoring study of chlorophyll, microbial contaminants, and pesticides in a coastal residential stormwater pond and its adjacent tidal creek.	Environ. Monit. Assess., Volume 184, Issue 1, Page 343-359, Publication Year 2012	EFSA	#4; p 36, 103, 400	海外モニタリングであり、日本における評価に利用できない。
6	Starner, Keith; Goh, Kean S.	2012	Detections of the Neonicotinoid Insecticide Imidacloprid in Surface Waters of Three Agricultural Regions of California, USA, 2010-2011.	Bull. Environ. Contam. Toxicol., Volume 88, Issue 3, Page 316-321, Publication Year 2012	EFSA	#4; p 36, 102, 397	海外モニタリングであり、日本における評価に利用できない。
7	Knoepp, Jennifer D.; Vose, James M.; Michael, Jerry L.; Reynolds, Barbara C.	2012	Imidacloprid movement in soils and impacts on soil microarthropods in southern Appalachian eastern hemlock stands	Journal of Environmental Quality (2012), 41(2), 469-478	EFSA	#4; p 36, 102, 396-397	⑯b ⑰
8	Ensminger, Michael P.; Budd, Robert; Kelley, Kevin C.; Goh, Kean S.	2013	Pesticide occurrence and aquatic benchmark exceedances in urban surface waters and sediments in three urban areas of California, USA, 2008-2011	Environmental Monitoring and Assessment (2013), 185(5), 3697-3710	EFSA	#4; p 38, 108, 438	⑰
9	Rafique, Nazia; Tariq, Saadia R.; Abbas, Mateen	2014	Effect of Fe2+ amendment on photodegradation kinetics of imidacloprid in moist soil	Environmental Earth Sciences (2014), 71(6), 2869-2874	EFSA	#3; Appendix C, p 209	⑱(土壌表面光での光増感作用)
10	Sharma, Smriti; Singh, Balwinder; Gupta, V. K.	2014	Assessment of imidacloprid degradation by soil-isolated Bacillus alkalinitrilicus	Environmental Monitoring and Assessment (2014) Ahead of Print	EFSA	#3; Appendix C, p 300	⑱
11	Main, Anson R.; Headley, John V.; Peru, Kerry M.; Michel, Nicole L.; Cessna, Allan J.; Morrissey, Christy A.	2014	Widespread use and frequent detection of neonicotinoid insecticides in wetlands of Canadas Prairie Pothole Region	PLoS One (2014), 9(3), e92821/1-e92821/12, 12 pp.	EFSA	#4; p 31, 79, 245-246	⑰

12	Mohammed, Youssef M. M.; Badawy, Mohammed E. I.	2017	Biodegradation of imidacloprid in liquid media by an isolated wastewater fungus Aspergillus terreus YESM3	Journal of Environmental Science and Health, Part B: Pesticides, Food Contaminants, and Agricultural Wastes (2017) Ahead of Print	EPA	#1; Appendix 2-2	⑱(真菌による生物学的分解)
13	Miles, Jesse C.; Hua, Jessica; Sepulveda, Maria S.; Krupke, Christian H.; Hoverman, Jason T.	2017	Effects of clothianidin on aquatic communities: evaluating the impacts of lethal and sublethal exposure to neonicotinoids	PLoS One (2017), 12(3), e0174171/1-e0174171/24	EPA	#6; p 13	毒性試験はクロチアニジンで行われている。イミダクロプリドを含めた土壌及び水のモニタリングが行われているが、海外モニタリングであり、日本における評価に利用できない。

a: 数字および記号は3(1)及び(2)に記載した判断理由を示す。

#1: EPA, draft Biological Evaluation, 2021

#3: EFSA, Peer review of the pesticide risk assessment for bees for the active substance imidacloprid considering the uses as seed treatments and granules, 2018

#4: EFSA, Conclusion on the peer review of the pesticide risk assessment for bees for the active substance imidacloprid considering all uses other than seed treatments and granules, 2015

#6: EPA, Imidacloprid Proposed Interim Registration Review Decision Case Number 7605, 2020