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LITERATURE REVIEW REPORT Submission of scientific peer-reviewed open literature under Regulation (EC) No 1107/2009

NIPPON SODA CO., LTD.

DOSSIER FOR THE EVALUATION OF THE ACTIVE SUBSTANCE

ACETAMIPRID

(Fulfilling EU data points: KCA Section 9/ KCP Section 11)

LITERATURE REVIEW REPORT

Submission of scientific peer-reviewed open literature under Regulation (EC) No 1107/2009

[redacted]

[redacted]

on behalf of:

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Date: October 2014

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1. Literature Review Report on Acetamiprid

In accordance with Article 7, Paragraph 1(m) of Commission Implementing Regulation (EU) No. 844/2012, this review presents the summaries and results of scientific literature as referred in Article 8 (5) of Regulation (EC) No. 1107/2009.

Article 8 (5) of Regulation (EC) No. 1107/2009 requires that the summary dossier submitted to support the approval of an active substance shall include scientific and peer-reviewed open literature, as determined by the Authority, on the active substance and its relevant metabolites dealing with the side-effects on health, the environment and non-target species and published within the last 10 years before the date of submission of the dossier.

2. Author of the Literature Review Report

3. Summary

This report summarises the results from a number of searches for the following published information on acetamiprid:

- Acetamiprid (common name)
- 135410-20-7 (CAS Number)
- 160430-64-8 (CAS Number)
- (*E*)-N^1-[(6-chloro-3-pyridyl)methyl]-N^2-cyano-N^1-methylacetamidine (IUPAC name)
- (*E*)-N-[(6-chloro-3-pyridyl)methyl]-N'-cyano-N-methylethanimidamide (CAS name)

In addition, this report summarises the search for the following published information on acetamiprid metabolites:

- *N*^{2}-cyano-*N*^{1}-methyl-*N*^{1}-[(2-aza-3-oxobicyclo[2,2,0]hex-5-en-6-yl]-acetamidine (IUPAC name)
- 6-chloronicotinic acid (IUPAC name)
- 6-chloro-3-pyridylmethanol (IUPAC name)
- (E)-N2-carbamoyl-N1-[(6-chloro-3-pyridyl)-methyl]-N1-methylacetamidine (IUPAC name)
- N-[(6-chloro-3-pyridyl)-methyl]-N-methylacetamide (IUPAC name)
- N-(6-chloropyridin-3-ylmethyl)-N-methyl-acetamidine (IUPAC name)
- (6-chloro-3-pyridyl)methylamine (IUPAC name)
- N-[(6-chloro-3-pyridyl)methyl]-acetamidine (IUPAC name)
- *N*^{2} -cyano-*N*^{1}-methylacetamidine (IUPAC name)
- *N*–cyanoacetamidine (IUPAC name)
- 6-methylthionicotinic acid (IUPAC name)

The selection process resulted in two categories of publication:

- Relevant studies and studies of unclear relevance after detailed assessment of full-text documents for relevance;

- Studies considered to be non-relevant after initial review.

This review of the published literature for active and its metabolites did not reveal any studies considered to significantly affect the regulatory assessment of human health, animal health or the environment.

4. Search Strategy

4.1 Search dates and bibliographic services used

Dates of the searches: 11th December 2013; 14th February 2014
Please refer to Appendices 2 and 3 for full details of bibliographic services used.

4.2 Time window and limitations

The time period was limited to studies published in published between 2004 to February 2014. The literature search has been performed to cover the 10 years prior to the expected submission of the AIR 3 dossier for acetamiprid which is expected to be submitted for review by 31st October 2014. Patents and conference papers were excluded as these were not expected to contain information that was both relevant and reliable.

4.3 Databases used

The databases searched together with the frequency that they are updated is given in Appendix 2.

The justification for using these databases is outlined in Appendix 3.

4.4 Input parameters

Description/justification of search terms	Search terms	Search engine	Fields searched
ISO common name of active substance	Acetamiprid	Proquest + Dialog	Title and abstract
Development codes	NI-25 EXP60707B	Proquest + Dialog	Title and abstract
IUPAC name	*(E)*-N^1-[(6-chloro-3-pyridyl)methyl]-N^2-cyano-N^1-methylacetamidine	Proquest + Dialog	Title and abstract
CAS name	(*E*)-N-[(6-chloro-3-pyridyl)methyl]-N'-cyano-N-methylethanimidamide	Proquest + Dialog	Title and abstract
CAS number	135410-20-7 160430-64-8	Proquest + Dialog	Title and abstract
Metabolites			
IB-1-1	N^2-cyano-N^1-methyl-N^1-[(2-aza-3-oxobicyclo[2,2,0]hex-5-en-6-yl]-acetamidine	Proquest + Dialog	Title and abstract
IC-0	6-chloronicotinic acid	Proquest + Dialog	Title and abstract
IM-0	6-chloro-3-pyridylmethanol	Proquest + Dialog	Title and abstract
IM-1-2	(E)-N2-carbamoyl-N1-[(6-chloro-3-pyridyl)-methyl]-N1-	Proquest + Dialog	Title and abstract

	methylacetamidine		
IM-1-3	*N*-[(6-chloro-3-pyridyl)methyl]-*N*-methylacetamide	Proquest + Dialog	Title and abstract
IUPAC name	N-[(6-chloro-3-pyridyl)-methyl]-N-methylacetamide	Proquest + Dialog	Title and abstract
IUPAC name	N-[(6-chloro-3-pyridyl)-methyl]-N-methylacetamide	Proquest + Dialog	Title and abstract
IM-1-5	N-(6-chloropyridin-3-ylmethyl)-N-methyl-acetaamidine	Proquest + Dialog	Title and abstract
IM-2-4	*N*-[(6-chloro-3-pyridyl)methyl]acetamide	Proquest + Dialog	Title and abstract
IM-2-5	(6-chloro-3-pyridyl)methylamine	Proquest + Dialog	Title and abstract
IUPAC name	N-[(6-chloro-3-pyridyl)methyl]-acetamidine	Proquest + Dialog	Title and abstract
IS-1-1	N^2 -cyano-N^1-methylacetamidine	Proquest + Dialog	Title and abstract
IS-2-1	*N* -cyanoacetamidine	Proquest + Dialog	Title and abstract
MeS-IC-0	6-methylthionicotinic acid	Proquest + Dialog	Title and abstract

4.5 Endpoint specific search terms and refinement criteria

A summary of each search strategy is provided in Appendix 1. The following refinement criteria were applied:

(i) AND toxicity OR rat OR mouse OR dog OR rabbit OR hamster OR “repeat dose” OR genotox* OR mutagen* OR carcinogen* OR acute OR irritation OR chronic OR toxicokinetics OR reproduct* OR development* OR oncogen* OR neurotox* OR adverse OR endocrine OR biotransformation OR residue* OR metabolism OR plant OR livestock OR crop OR goat OR cow OR hen OR pig OR bird OR aquatic OR fish OR invertebrate OR algae OR sediment OR bee OR arthropod OR earthworm OR microorganism OR dietary OR bioconcentration OR "sewage treatment" OR soil OR air OR water OR "surface water" OR groundwater OR degradation OR aerobic OR anaerobic OR adsorption OR absorption OR mobility OR hydro* OR photo OR biodegrad* OR dissipation OR accumulation OR leaching OR lysimeter OR monitoring

(ii) AND bee OR bees OR honeybee*
(iii) AND acetamiprid
(iv) AND triazole* OR fungicid*

5 Search results

An overview of the results is reported in Appendix 1 of this Literature Review Report including numbers of hits for each search engine, hits after refinements and numbers after removal of duplicates.

6 Evaluation - protocol for the review, objectives and the criteria of relevance

The evaluation of the search results is performed according to the EFSA guidance[1].

Studies **relevant** to the dossier are those that inform one or more data requirement(s), including hazard identification, hazard characterisation and exposure assessment, for the active substance under assessment, its relevant metabolites, or plant protection products.

'Relevant metabolites' as defined by Regulation (EC) No 1107/2009 are those for which further assessment is required according to the data requirements and the Guidance documents applicable at the time of submitting the dossier.

A detailed overview of the procedures to determine relevancy can be found in Appendix 7. The main data categories of relevance for chemical active substances and products include:

1. Data requirements on chemical active substances (Commission Regulation (EU) No. 283/2013):
    a. Toxicological and metabolism studies on the active substance (CA Section 5)
    b. Residues in or on treated products, food and feed (CA Section 6)
    c. Fate and behaviour in the environment (CA Section 7)
    d. Ecotoxicological studies on the active substance (KCA Section 8)
    e. Other data requirements for which information may have a direct or indirect effect on overall risk assessment (CA Sections 1, 2, 3 and 4) (only data requirements under these points having a direct impact on the risk assessment need to be considered)

2. Data requirements on plant protection products based on chemical preparations (Commission Regulation (EU) No. 284/2013):
    a. Toxicological studies (and exposure data) on the plant protection product (CP Section 7)
    b. Residues in or on treated products, food and feed (metabolism and residues studies) (CP Section 8)
    c. Fate and behaviour in the environment (CP Section 9)
    d. Ecotoxicological studies on the plant protection product (CP Section 10)
    e. Other data requirements for which information may have a direct or indirect effect on the overall risk assessment (CP Sections 1, 2, 3, 4, and 5) (only data requirements under these points having a direct impact on the risk assessment need to be considered)

[1] EFSA Journal 2011;9(2):2092. Submission of scientific peer-reviewed open literature for the approval of pesticide active substances under Regulation (EC) No 1107/2009.

6.1 Rapid assessment

A rapid assessment of articles has been performed using study titles and abstracts for studies that are of immediate and obvious non-relevance. The criteria are outlined in section 6 above.

Studies rejected by rapid assessment are listed in Appendix 5.

6.2 Detailed assessment

Studies identified as relevant to the risk assessment were considered for reliability assessment (Appendix 4). Full-text articles were assessed in order to further to determine whether the information contained in the study could impact on the endpoints and risk assessment parameters related to the active substance. Reviews of the relevance of the articles brought up in the literature search were carried out by experts in the relevant technical disciplines.

The reliability assessment for any relevant studies was carried out based on general principles informed by Klimisch *et al.* (1997)[2], Schneider *et al*., (2009) (ToxRTool)[3], and Kaltenhäuser *et al*. (2017)[4]. On the basis of these principles the following categories of reliability were assigned:

Code	Category
1	Reliable without restriction
2	Reliable with restriction
3	Not reliable
4	Not assignable

All studies considered relevant and sufficiently reliable, i.e. reliable or reliable with minor restrictions (reliability scores 1 and 2) are presented in detail in the dossier.

1 Reliable without restriction

This includes studies or data from the literature or reports which were carried out or generated according to generally valid and/or internationally accepted testing guidelines (preferably performed to GLP, but not obligatory) or in which the test parameters documented are based on a specific (national) testing guideline (preferably performed to GLP, but not obligatory) or in which all parameters described are closely related/comparable to a guideline method.

2 Reliable with restrictions

[2] Klimisch, H-J., Andreae, M. & Tillmann, U. (1997) A Systematic Approach for Evaluating the Quality of Experimental Toxicological and Ecotoxicological Data. Regulatory Toxicology and Pharmacology 25 pp 1-5

[3] Schneider, K, Schwarz, M, Burkholder, I, Kopp-Schneider, A, Edler, L, Kinsner-Ovaskainen, A, et al., 2009. "ToxRTool", a new tool to assess the reliability of toxicological data. Toxicol. Lett. 189, 138e144.

[4] Kaltenhäuser et al., 2017. Relevance and reliability of experimental data in human health risk assessment of pesticides. Regulatory Toxicology and Pharmacology Aug 2017;88:227-237. doi:10.1016/j.yrtph.2017.06.01

This includes studies or data from the literature, reports (mostly not performed according to GLP), in which the test parameters documented do not totally comply with the specific testing guideline, but are sufficient to accept the data or in which investigations are described which cannot be subsumed under a testing guideline, but which are nevertheless well documented and scientifically acceptable.

3 Not reliable

This includes studies or data from the literature/reports in which there are interferences between the measuring system and the test substance or in which organisms/test systems were used which are not relevant in relation to the exposure (e.g. unphysiologic pathways of application) or which were carried out or generated according to a method which is not acceptable, the documentation of which is not sufficient for an assessment and which is not convincing for an expert judgement.

4 Not assignable

This includes studies or data from the literature, which do not give sufficient experimental details and which are only listed in short abstracts or secondary literature (books, reviews, etc.).

Use of ToxRTool

Where appropriate, ToxRTool (published on the Commission website[5]) was used to assign scores in the area of toxicology. The Outcome of the pesticides peer review meeting on general recurring issues in mammalian toxicology (EFSA Supporting publication 2016:EN-1074) recommends the use of the ToxRTool as a harmonised approach for the evaluation of reliability of the published data.

[5] https://eurl-ecvam.jrc.ec.europa.eu/about-ecvam/archive-publications/toxrtool

7 Outcome of the literature review

Summary of the review	n	Justification
Total number of summary records retrieved after removing duplicates from all database searches	1424	Appendix 1
Number of summary records excluded after rapid assessment for relevance (by title/abstract)	1235	Appendix 5
Number of summary records of potential/unclear relevance assessed in further detail (by abstract/full-text)	189	Appendix 4
Number of studies excluded from further consideration after detailed assessment for relevance (by abstract/full-text)	142	
Number of studies not excluded for relevance after detailed assessment (i.e. relevant studies and studies of unclear relevance)	47	
Number of relevant and reliable studies (Klimisch criteria 1-2) identified by the literature search and appraisal process	44	

Articles of potential relevance to the regulatory data package for the active substance were investigated in further detail by examining the abstract and/or the full article text. Where articles were considered to meet the criteria for relevance, an assessment of the reliability of the study was carried out based on the approach described in Klimisch *et al*., (1997). Appendix 3 presents the articles identified as potentially relevant and/or relevant and reliable, including details of the appraisal for relevance and reliability. This process identified a total of 47 relevant studies, 44 of which were of suitable reliability to support designation of Klimisch criteria 1 or 2. The 46 studies considered relevant and reliable related to the following OECD Annex II and III data points:

- KCA 5.3: ‘Short-term toxicity’ – 1 study;
- KCA 5.4.1: *In* vitro genotoxicity study’ – 1 study;
- KCA 5.6: ‘Reproductive toxicity’ – 2 studies;
- KCA 5.9.3/5.9.5/5.9.6: ‘Diagnosis of poisoning (determ. AS, metabolites), spec. signs of poisoning, clinical tests‘ / ‘Proposed treatment: first aid measures, antidotes, medical treatment’ – 2 studies;
- KCA 6.2.1: ‘Plant metabolism’ – 1 study;
- KCA 6.5.3: ‘Magnitude of residues in processed commodities’ – 1 study;
- KCA 8.2: ‘Effects on aquatic organisms’ – 1 study;
- KCA 8.2.4: ‘Acute toxicity to aquatic invertebrates’ – 1 study;
- KCA 8.2.4/8.2.5: ‘Acute toxicity to aquatic invertebrates’ / ‘Long-term and chronic toxicity to aquatic invertebrates’ – 1 study;
- KCA 8.3.2: ‘Effects on non-target arthropods other than bees’ – 26 studies;
- KCA 8.3.1: ‘Effects on bees’ – 9 studies;
- KCA 8.4: ‘Effect on non-target soil meso- and macro-fauna’ – 1 study.

8 Conclusion

A review of the published literature for acetamiprid revealed 46 articles of relevance to the to the regulatory data package for acetamiprid, 43 of which were of suitable reliability to be

allocated a Klimisch score of 1 or 2. The majority of the relevant articles (39) were relevant to the of the ecotoxicology risk assessment particularly effects on non-target arthropods. The remaining articles were relevant to the residues and toxicology parts of the data package. Although these are unlikely to make substantive changes to the risk assessment, these articles may be deemed useful to consider as part of the regulatory process for acetamiprid.

Appendix 1 Reporting/Overview of the search process for scientific peer-reviewed open literature in bibliographic databases

	STN Toxicology Database Cluster	Dialog
Justification for choice of the database:	Appendix 2	Appendix 2
Date of the search:	(i) 14th February 2014 (ii) 11th December 2013	(i) 14th February 2014 (ii) 11th December 2013
Date span of the search:	(i) 2004 to February 2014 (ii) -	(i) 2004 to February 2014 (ii) -
Date of the latest database update included in the search:	Appendix 1	Appendix 1
Search strategies	(i) 1. 135410-20-7 OR 160430-64-8 2. AND Publication Year: 2004-current 3. NOT Document Type: conference 4. NOT Document Type: patent 5. AND toxicity OR rat OR mouse OR dog OR rabbit OR hamster OR "repeat dose" OR genotox* OR mutagen* OR carcinogen* OR acute OR irritation OR chronic OR toxicokinetics OR reproduct* OR development* OR oncogen* OR neurotox* OR adverse OR endocrine OR biotransformation OR residue* OR metabolism OR plant OR livestock OR crop OR goat OR cow OR hen OR pig OR bird OR aquatic OR fish OR invertebrate OR algae OR sediment OR bee OR arthropod OR earthworm OR microorganism OR dietary OR bioconcentration OR "sewage treatment" OR soil OR air OR water OR "surface water" OR groundwater OR degradation OR aerobic OR anaerobic OR adsorption OR absorption OR mobility OR hydro* OR photo OR biodegrad* OR dissipation OR accumulation OR leaching OR lysimeter OR monitoring (ii) 1: bee OR bees OR honeybee* 2. AND acetamiprid 3. AND (triazole* OR fungicid*)	(i) 1. (RN(135410-20-7) OR RN(160430-64-8) OR acetamiprid OR "6-chloronicotinic acid" OR "6-chloro-3-pyridylmethanol" OR "6-chloro-3-pyridyl methylamine" OR "6-methylthionicotinic acid" OR "N-cyanoacetamidine" OR "N2-cyano-N1-methylacetamidine" OR "N-6-chloro-3-pyridyl methyl-acetamidine" OR "N-6-chloro-3-pyridylmethyl acetamide" OR "N-6-chloropyridin-3-ylmethyl-N-methyl-acetaamidine" OR "N-6-chloro-3-pyridyl methyl-N-methylacetamide" OR "E-N2-carbamoyl-N1-6-chloro-3-pyridyl-methyl-N1-methylacetamidine" OR "N2-cyano-N1-methyl-N1-2-aza-3-oxobicyclo 2 2 0 hex-5-en-6-yl - acetamidine" OR "E-N-6-chloro-3-pyridyl methyl-N-cyano-N-methylethanimidamide") 2. AND (rat OR mouse OR dog OR rabbit OR hamster OR reproduct* OR endocrine OR biotransformation OR residue* OR metabolism OR plant OR livestock OR crop OR goat OR cow OR hen OR pig OR bird OR aquatic OR fish OR invertebrate OR algae OR sediment OR bee OR arthropod OR earthworm OR microorganism OR dietary OR bioconcentration OR "sewage treatment" OR soil OR air OR water OR "surface water" OR groundwater OR mobility OR hydro* OR photo OR accumulation OR leaching OR lysimeter OR monitoring) 3. AND (toxicity OR "repeat dose" OR genotox* OR mutagen* OR carcinogen* OR acute OR irritation OR

	STN Toxicology Database Cluster	Dialog
		chronic OR toxicokinetics OR development* OR oncogen* OR neurotox* OR adverse OR degradation OR aerobic OR anaerobic OR adsorption OR absorption OR biodegrad* OR dissipation) 4. AND pd(>2004) 5. AND (stype.exact("Scholarly Journals" OR "Reports" OR "Books" OR "Government & Official Publications") AND at.exact("Article" OR "Review" OR "Book Chapter" OR "Statistics/Data Report" OR "Government & Official Document" OR "Case Study" OR "Technical Report")) (ii) 1. bee OR bees OR honeybee* 2. AND acetamiprid 3. AND (triazol* OR fungicid*) 4. AND (stype.exact("Scholarly Journals" OR "Reports" OR "Books" OR "Government & Official Publications") 5. AND at.exact("Article" OR "Review" OR "Book Chapter" OR "Statistics/Data Report" OR "Government & Official Document" OR "Case Study" OR "Technical Report" OR "Report"))
Total number of summary records retrieved	1048	1294
Total number of summary records retrieved after removing duplicates	1424	

Appendix 2: Databases searched

STN-DATABASES:	**FREQUENCY OF UPDATES**
CAplus (Toxicology focus)	Updated daily
RTECS (Registry of Toxic Effects of Chemical Substances)	Updated quarterly
TOXCENTER (Toxicology Center produced by American Chemical Society CAS)	Updated weekly

DIALOG DATABASES:	**UPDATES**
AGRICOLA	All PROQUEST databases are current and updated regularly
AGRIS	
Aquatic Science & Fisheries Abstracts (ASFA)	
Aqualine	
BIOSIS® Toxicology	
CAB ABSTRACTS	
Chemical Engineering & Biotechnology Abstracts	
Ecology Abstracts	
Embase®	
Environment Abstracts	
Environmental Engineering Abstracts	
Foodline®: SCIENCE	
FSTA®	
GEOBASE	
MEDLINE®	
Meteorological & Geoastrophysical Abstracts	
PASCAL	
Pollution Abstracts	
SciSearch®: a Cited Reference Science Database	
Toxfile®	
Toxicology Abstracts	
TOXLINE	
Water Resources Abstracts	

Appendix 3. Justification for choice of databases used

STN DATABASES

Provider	*Database*	*Justification*
STN*	**CAPLUS**	The Chemical Abstracts (CA) database covers all areas of Biochemistry, Chemistry and Chemical engineering, and related sciences. Sources include over 8,000 journals, patents from 38 national patent offices and two international patent organizations, technical reports, books, conference proceedings, and dissertations. Electronic only journals and Web preprints are also covered. Bibliographic terms, indexing terms, roles, CAS Registry Numbers, International Patent Classification and abstracts are searchable.
STN*	**RTECS**	Registry of Toxic Effects of Chemical Substances contains factual toxicity data for commercially important substances from research and government reports. Coverage includes irritation data, federal standards and regulations, mutagenicity, tumoregenic effects, acute toxicity and multiple dose toxicity data, carcinogenicity reviews, NIOSH-recommended human exposure limits, reproductive effects, and information on activities by NIOSH, US EPA (Environmental Protection Agency), NTP (National Toxicology Program) and OSHA (Occupational Safety and Health Administration). Sources include journal articles, government reports and unpublished EPA test submissions (TSCATS). Molecular formulas, RTECS Numbers, CAS Registry Numbers, chemical names and toxic values are searchable.
STN*	**TOXCENTER**	Toxicology Center covers the pharmacological, biochemical, physiological, and toxicological effects of drugs and other chemicals. TOXCENTER is composed of the following subfiles: BIOSIS (1969 to date), CAplus (1907 to date), IPA (1970 to date), and MEDLINE (1953 to date). Sources include abstracts, books and book chapters, bulletins, conference proceedings, journal articles, letters, meetings, monographs, notes, papers, patents, presentations, research and project summaries, reviews, technical reports, theses, translations, unpublished material, web reprints. Records contain bibliographic data, abstracts, indexing terms, chemical names and CAS Registry Numbers

* *http://www.stn-international.de/database_list.html?&no_cache=1&cHash=*

DIALOG DATABASES

Dialog is the premier online retrieval service with the most comprehensive content collection and most powerful search language available. Dialog is the worldwide leader in providing online-based information in science. The database holds data from more than 800 million unique records of key information, accessible via the Internet. Content areas include, but are not limited to, biomedical research, biotechnology, chemicals, environment, food and agriculture, medicine and science and technology.

Provider	*Database*	*Justification*
Dialog	**AGRICOLA (AGRICultural OnLine Access)**	AGRICOLA (AGRICultural OnLine Access) is an extensive international bibliographic database consisting of records for literature citations of journal articles, monographs, theses, patents, translations, microforms, audiovisuals, software and technical reports. Available since 1970, AGRICOLA serves as a document locator and bibliographic access and control system for the U.S. National Agricultural Library (NAL) collection, but since 1984 the database has also included some records produced by cooperating institutions for documents not held by NAL. For additional coverage of non-U.S. agricultural materials, see AGRIS INTERNATIONAL, File 203.
Dialog	**AGRIS International**	AGRIS International is the international information system for agricultural sciences and technology. The AGRIS International database has served since 1974 as a comprehensive inventory of worldwide agricultural literature which reflects research results, food production, and rural development to help users identify problems involved in all aspects of world food supply. Emphasis in AGRIS International is non-U.S. This file corresponds in part to the printed publication, Agrindex, published monthly by the Food and Agriculture Organization (FAO) of the United Nations. AGRIS is a cooperative, decentralised system in which over 100 national and multinational centers take part. It collects and makes available current information on the agricultural literature of the world appearing in journals, books, reports, and conference papers. Each country which participates in AGRIS does so by submitting information about documents published within its own territories. All contributing sources are of non-U.S. origin. FAO acts as a coordinating agency within this global information system, facilitating the exchange of agricultural information to its member countries.
Dialog	**Aqualine**	Aqualine contains abstracts and bibliographic citations from approximately 300 journals as well as from conference proceedings, scientific reports, books and theses. Major subjects of coverage include water resources and supplies management, water legislation, water quality, potable water distribution, wastewater collection, water treatment technologies, wastewater and sewage treatment, and ecological and environmental effects of water pollution. Previously published by the well-known and respected WRc in England, Aqualine is now produced in joint cooperation with WRc and CSA.
Dialog	**ASFA (Aquatic Sciences and Fisheries Abstracts)**	ASFA (Aquatic Sciences and Fisheries Abstracts) series is the premier international reference in the field of aquatic resources. Since 1966 input to ASFA has been provided by a growing international network of information centers monitoring more than 5,000 serial publications, books, reports, conference proceedings, translations and limited distribution literature. ASFA is a component of the Aquatic Sciences and Fisheries Information System (ASFIS), formed by four United Nations agency sponsors of ASFA and a network of international and national partners.

Provider	*Database*	*Justification*
Dialog	**BIOSIS**	BIOSIS Previews® is the largest and most comprehensive life science database in the world. Amongst other subject coverage includes Agriculture, Biochemistry, Biophysics, Botany, Environmental Biology, Physiology, Toxicology. Sources include periodicals, journals, conference proceedings, reviews, reports, patents and short communications. Nearly 6,000 life science journals, 1,500 international meetings as well as review articles, books, and monographs are reviewed for inclusion. Bibliographic information, indexing terms, abstracts, and CAS Registry Numbers are all searchable.
Dialog	**CAB Abstracts**	The CAB Abstracts database covers worldwide literature from all areas of agriculture and related sciences including biotechnology, forestry, and veterinary medicine. Sources for CABA include journals, books, reports, published theses, conference proceedings, and patents. Bibliographic information, indexing terms, abstracts and CAS Registry Numbers are searchable.
Dialog	**CEABA® - Chemical Engineering and Biotechnology Abstracts (CEABA)**	CEABA® - Chemical Engineering and Biotechnology Abstracts (CEABA) database contains references with abstracts, keywords and bibliographic details of international scientific and application-oriented literature on chemical engineering and biotechnology. It covers journals, conference proceedings, books, dissertations and grey literature. Abstracts are in German and/or English. The CEABA database was published by DECHEMA e.v. from 1963 to May 2011. From June 2011 it has been produced by WTI-Frankfurt.
Dialog	**Ecology Abstracts**	Ecologists will find in this journal the essence of current ecology research across a wide range of disciplines, reflecting recent advances in light of growing evidence regarding global environmental change and destruction. Ecology Abstracts focuses on how organisms of all kinds - microbes, plants, and animals - interact with their environments and with other organisms. Included are relevant papers on evolutionary biology, economics, and systems analysis as they relate to ecosystems or the environment. With coverage ranging from habitats to food chains, from erosion to land reclamation, the journal provides an important cross-section of current findings in target research areas. Detailed information on resource and ecosystems management and modeling contributes to the journal's practical value, as does material on the impact of climate, water resources, soil, and man or growing environmental problems such as depletion, erosion, and pollution all topics which are covered in depth. Comprehensive, yet carefully focused coverage makes this an essential resource for scientists concerned with preserving the environment.

Provider	*Database*	*Justification*
Dialog	**Embase**	The Excerpta Medica database covers worldwide literature in the biomedical and pharmaceutical fields, including biological science, biochemistry, human medicine, forensic science, paediatrics, pharmacy, pharmacology and drug therapy, pharmacoeconomics, psychiatry, public health, biomedical engineering and instrumentation and environmental science. Sources for EMBASE include more than 4,000 journals from approximately 70 countries, monographs, conference proceedings, dissertations and reports.
Dialog	**Environmental Engineering Abstracts**	The Environmental Engineering Abstracts database covers the world literature pertaining to the technical and engineering aspects of air and water quality, environmental safety, and energy production. More than 7,000 primary journals are thoroughly indexed and abstracted. More than 2,500 additional sources, including monographs and conference proceedings, are monitored for relevant articles.
Dialog	**Foodline®: SCIENCE**	Foodline®: SCIENCE is a vital resource for keeping up-to-date with published information on food science and technology worldwide. All aspects of the food and drink industry are covered, including ingredients and process technology, microbiology, packaging, food chemistry, biotechnology, food safety and nutrition. A key strength of the database is its currency, key journals being abstracted and available online within two weeks of delivery. More than 250 current periodicals are scanned extensively for FoodlineScience. In total, more than 1,800 records are added to FoodlineScience each month, including scientific journals, trade journals, books, book chapters, standards, technical reports and PCT, European, UK, US and Japanese patents. Produced by the Leatherhead Food Research since 1972.
Dialog	**FSTA®**	FSTA® is produced by IFIS (UK) - core food information, an independent, not-for-profit organisation whose primary objective is to provide quality information products and services designed to meet the needs of all those working in the food sector. FSTA® is the largest and most respected collection of food science, food technology and food related human nutrition abstracts, providing content since 1969. It is compiled by a team of specialist scientists dedicated to producing a database of consistent high quality and timeliness. Continual development of coverage allows FSTA® to maintain its position as the market-leading food science database. There are more than 109,000 patent records including more than 11,000 Japanese patents. FSTA® covers journal articles (approximately 80%), patents, theses, standards, legislation, books, reviews and conference proceedings.
Dialog	**GEOBASE**	GEOBASE is a unique bibliographic database covering worldwide research literature since 1980 in physical and human geography, earth and environmental sciences, ecology, and related disciplines. In addition to providing comprehensive coverage of the core scientific and technical periodicals, Geobase has a unique coverage of non-English language and less readily available publications. Over 2,000 journals are fully covered with an additional 3,000 having partial coverage. Over 2,000 books, monographs, conference proceedings, and reports are also included.

Provider	*Database*	*Justification*
Dialog	**MEDLINE (Medical Literature, Analysis, and Retrieval System Online)**	MEDLINE is produced by the U.S. National Library of Medicine (NLM) and is the U.S. National Library of Medicine's premier bibliographic database that contains more than 15 million references to journal articles in life sciences with a concentration on biomedicine. The broad coverage of the database includes basic biomedical research and the clinical sciences since 1950 including nursing, dentistry, veterinary medicine, pharmacy, allied health and pre-clinical sciences. MEDLINE also covers life sciences that are vital to biomedical practitioners, researchers and educators, including some aspects of biology, environmental science, marine biology, plant and animal science as well as biophysics and chemistry. Increased coverage of life sciences began in 2000. MEDLINE is indexed using NLM's controlled vocabulary, MeSH® (Medical Subject Headings). Approximately 400,000 records are added per year, of which more than 76% are in English.
Dialog	**Meteorological and Geoastrophysical Abstracts**	Meteorological and Geoastrophysical Abstracts provides current citations in English for the most important meteorological and geoastrophysical research published in worldwide literature sources since 1966 to the present. Over 200 sources, including technical journals, monographs, proceedings, reviews and annual publications are scanned for relevant literature. Subject coverage includes meteorology (weather and climate), astrophysics, physical oceanography, hydrosphere and hydrology, environmental sciences, and glaciology. Content from American Meteorological Society, published by CSA.
Dialog	**PASCAL**	The PASCAL database provides access to scientific and technical literature including physics and chemistry, life sciences (biology, medicine, and psychology), applied sciences and technology, earth sciences, and information sciences. Approximately 5,000 journal titles are indexed in PASCAL. French and European literature is particularly well represented in PASCAL. About 500,000 new records are added each year.
Dialog	**Pollution Abstracts**	Pollution Abstracts provides fast access to the environmental information necessary to ensure ongoing compliance and handle emergency situations more effectively. Pollution Abstracts combines information on scientific research and government policies in a single resource. Topics of growing concern are extensively covered from the standpoints of atmosphere, emissions, mathematical models, effects on people and animals, toxicology and health and environmental action in response to global pollution issues. To ensure comprehensive coverage, material from conference proceedings and hard-to-find documents has been summarised along with information from primary journals in the field. Published since 1966 by CSA (Cambridge Scientific Abstracts).
Dialog	**SCISEARCH**	Science Citation Index, one of the largest multidisciplinary scientific databases, is an international index to the literature covering virtually every subject area within the broad fields of science, technology and biomedicine. Records include references from over 5,600 scientific, technical and medical journals are contained in the database.

Provider	*Database*	*Justification*
Dialog	**ToxFile**	ToxFile covers 1965 to the present of the toxicological, pharmacological, biochemical and physiological effects of drugs and other chemicals: adverse drug reactions, chemically induced diseases, carcinogenesis, mutagenesis, teratogenesis, environmental pollution, pesticides, waste disposal, radiation, and food contamination. ToxFile includes toxicology records derived from MEDLINE and also includes citations referred to as TOXNET records from the following organizations and data repositories: Aneuploidy File (ANEUPL), International Labor Office (CIS), Toxicology Research Projects (CRISP), Developmental and Reproductive Toxicology (DART), Environmental Mutagen Information Center File (EMIC), Epidemiology Information System (EPIDEM), Environmental Teratology Information Center File (ETICBACK), Federal Research in Progress (FEDRIP), Health Aspects of Pesticides Abstract Bulletin (HAPAB), Toxicological Aspects of Environmental Health (HEEP), Hazardous Materials Technical Center File (HMTC), National Institute for Occupational Safety and Health (NIOSH), Toxicology Document and Data Repository (NTIS), Pesticides Abstracts (PESTAB), Poisonous Plants Bibliography (PPBIB), Swedish National Chemicals Inspectorate (RISKLINE), and Toxic Substances Control Act Test Submissions (TSCATS).
Dialog	**Toxicology Abstracts**	Toxicology Abstracts is the only comprehensive print resource for professionals in this field who must be aware of every new finding. Specifically focused to meet the needs of toxicologists, Toxicology Abstracts covers issues from social poisons and substance abuse to natural toxins, from legislation and recommended standards to environmental issues. Surveying the literature for toxicology studies of industrial and agricultural chemicals, household products, pharmaceuticals, and myriad other substances, each issue publishes information concerning the in vivo effects of toxic substances. Topics of current concern such as the effects of alcohol and smoking, drug abuse, hydrocarbon studies, nitrosamines, radiation and radioactive materials, and much more are extensively examined. Toxicity testing methodology and analytical procedures for toxic substances are also covered. Through many years of delivering crucial information on the tough, far-reaching issues of toxicology, Toxicology Abstracts has become the single most widely-used journal in this field.
Dialog	**TOXLINE**	Bibliographic citations to toxicological, pharmacological, biochemical and physiological effects of drugs and other chemicals. Coverage is international but contains primarily English language items; Updates are monthly, with about 9,300 new citations added each month; the file contains over 2.4 million records. The records are derived from about 16 secondary sources.

Provider	***Database***	***Justification***
Dialog	**Water Resources Abstracts**	Water Resources Abstracts offers a comprehensive range of water-related topics summarising the world's technical and scientific literature on water-related topics covering the characteristics, conservation, control, pollution, treatment, use and management of water resources in the life and physical sciences, as well as the engineering and legal aspects of the conservation, control, use, and management of water. The database was originally produced by the U.S. Geological Survey starting in 1968 when it was generally known as Selected Water Resources Abstracts. Since 1994, Water Resources Abstracts has been produced by CSA (Cambridge Scientific Abstracts), which broadened the scope by including more material published outside the U.S.A. This database, which concentrates on water supply and water treatment, complements the Aquatic Sciences & Fisheries Abstracts database, ASFA, where there is greater coverage of the marine environment and biological material.

Appendix 4: Report of all potentially relevant studies and studies of unclear relevance after detailed assessment of full-text documents for relevance

Number	Author	Year	Title	Reference	Meet relevance criteria	Meet Reliability Criteria	Basis for relevance/ reliability decision (title, abstract or full article)	Comments	EC data point
					Y or N	Score			
1.	Abaga, N.O.Z., Alibert, P., Dousset, S., Savadogo, P.W., Savadogo, M., Sedogo, M.	2011	Insecticide residues in cotton soils of Burkina Faso and effects of insecticides on fluctuating asymmetry in honey bees (Apis mellifera Linnaeus)	Chemosphere (2011) Vol. 83(4), pp. 585-592	N	N/A	Abstract	Location of study and route of exposure (treated cotton plants) not relevant to the EU assessment	
2.	Abraham, C.M., Braman, S.K., Oetting, R.D., Hinkle, N.C.	2013	Pesticide compatibility with natural enemies for pest management in greenhouse gerbera daisies	J Econ Entomol. (2013) Vol. 106(4), pp. 1590-601	Y	2	Full article	Acceptable well-documented study which meets basic scientific principles See study summary at MCA Section 9.	KCA 8.3.2
3.	Ahmad, M., Rafiq, M., Arif, M.I., Sayyed, A.H.	2011	Toxicity of some commonly used insecticides against Coccinella undecimpunctata (Coleoptera: Coccinellidae)	Pakistan Journal of Zoology (2011) Vol. 43(6), pp. 1161-1165	Y	2	Full article	Not a standard test species but species is native to the EU. No standard protocol cited but detailed methods are provided. See study summary at MCA Section 9.	KCA 8.3.2

Number	Author	Year	Title	Reference	Meet relevance criteria Y or N	Meet Reliability Criteria Score	Basis for relevance/ reliability decision (title, abstract or full article)	Comments	EC data point
4.	Ahn, K-S., Lee, S-Y., Lee, K-Y., Lee, Y-S., Kim, G-H.	2004a	Selective toxicity of pesticides to the predatory mite, Phytoseiulus persimilis and control effects of the two-spotted spider mite, Tetranychus urticae by predatory mite and pesticide mixture on rose	Korean Journal of Applied Entomology (2004) Vol. 43(1), pp. 71-79	N	N/A	Full article	Language is non-EU and so considered to be not relevant	
5.	Ahn, K-S., Lee, K-Y., Kang, H-J., Park, S-K., Kim, G-H.	2004b	Toxicity of pesticides to minute pirate bug, Orius strigicollis Poppius (Hemiptera: Anthocoridae), a predator of thrips	Korean Journal of Applied Entomology (2004) Vol. 43.3, pp. 257-262	N	N/A	Full article	Language is non-EU and so considered to be not relevant	
6.	Aliouane, Y., El Hassani, A.K., Gary, V., Armengaud, C., Lambin, M., Gauthier, M.	2009	Subchronic exposure of honeybees to sublethal doses of pesticides: Effects on behavior	Environmental Toxicology and Chemistry (2009) Vol. 28(1), pp. 113-22	Y	2	Full article	Acceptable well-documented study which meets basic scientific principles See study summary at MCA Section 9.	KCA 8.3.1

Number	Author	Year	Title	Reference	Meet relevance criteria Y or N	Meet Reliability Criteria Score	Basis for relevance/ reliability decision (title, abstract or full article)	Comments	EC data point
7.	Ambrus, A.	2006	Variability of pesticide residues in crop units	Pest Management Science (2006) Vol. 62(8), pp. 693-714	N	N/A	Abstract	Article addresses the evaluation of the variability factor for risk assessment based on a huge data set. It is unlikely that the article presents detailed information of individual trial results that meets an EC data point. This is a fundamental research article.	
8.	Ambrus, A.	2009	Estimation of sampling uncertainty for determination of pesticide residues in plant commodities	J Environ Sci Health B (2009) Vol. 44(7), pp. 627-39	N	N/A	Abstract	This article is a fundamental research article for evaluation of sampling uncertainties. Although data on 11 supervised trials may be available, the crops, grape and lettuce, are not representative uses.	
9.	Bacci, L., Crespo, A.L., Galvan, T.L., Pereira, E.J., Picanço, M.C., Silva, G.A., Chediak, M.	2007	Toxicity of insecticides to the sweet potato whitefly (Hemiptera: Aleyrodidae) and its natural enemies	Pest Manag Sci. (2007) Vol. 63(7), pp. 699-706	N	N/A	Abstract	Route of exposure (pre-immersed kale leaves) in lab study not relevant to EU assessment	

Number	Author	Year	Title	Reference	Meet relevance criteria Y or N	Meet Reliability Criteria Score	Basis for relevance/ reliability decision (title, abstract or full article)	Comments	EC data point
10.	Baldessari, M., Malagnini, V., Tolotti, G., Angeli, G.	2010	Impact of neonicotinoid insecticides on beneficial phytoseiid mites	Informatore Agrario (2010) Vol. 66(45), pp. 67-70	Y	4	Full article	Non-target species relevant to the EU. Field trials in orchards and vineyards in Italy See study summary at MCA Section 9.	KCA 8.3.2
11.	Bansal, M., Chaudhry, A.	2011	Evaluation of mutagenic potential of acetamiprid by dominant lethal test on Culex quinquefasciatus	Journal of Applied and Natural Science (2011) Vol. 3(2), pp. 171-175	N	N/A	Abstract	Not a standard test system; genotoxicity data already available for acetamiprid	
12.	Bansal, M., Kaur, G., Chaudhry, A.	2011	Evaluation of genotoxicity of acetamiprid using PCR technique on mosquito genome	Journal of Applied and Natural Science (2011) Vol. 3(2), pp. 200-205	N	N/A	Abstract	Not a standard test system; genotoxicity data already available for acetamiprid	
13.	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(1), pp. 31-36	Y	2	Full article	Not a standard test species but species is native to the EU. No standard protocol cited but detailed methods are provided. See study summary at MCA Section 9.	KCA 8.3.2

Number	Author	Year	Title	Reference	Meet relevance criteria Y or N	Meet Reliability Criteria Score	Basis for relevance/ reliability decision (title, abstract or full article)	Comments	EC data point
14.	Beers, E.H., Schmidt, R.A.	2014	Impacts of orchard pesticides on Galendromus occidentalis: Lethal and sublethal effects	Crop Protection (2014) Vol. 56, pp. 16-24	Y	2	Full article	Not a standard test species but species is native to the EU. No standard protocol cited but detailed methods are provided. See study summary at MCA Section 9.	KCA 8.3.2
15.	Beketov, M.A., Liess, M.	2008	Potential of 11 pesticides to initiate downstream drift of stream macroinvertebrates	Archives of Environmental Contamination and Toxicology (2009) Vol. 55(2), pp. 247-253	Y	2	Full article	Not a standard test species but species is native to the EU. No standard protocol cited but detailed methods are provided. See study summary at MCA Section 9.	KCA 8.2.4; KCA 8.2.5
16.	Bhakray, R.B., Thakre, S.M., Aherkar, S.K., Satpute, N.S., Raut, B.T.	2010	Biosafety of systemic insecticides through seed treatment and stem smearing to some predators	Journal of Maharashtra Agricultural Universities (2010) Vol. 35(3), pp. 488-489	N	N/A	Abstract	Route of exposure (stem treatment) in field study not relevant to the EU assessment	
17.	Biddinger, D.J., Robertson, J.L., Mullin, C., Frazier, J., Ashcraft, S.A., Rajotte, E.G., Joshi, N.K., Vaughn, M.	2013	Comparative toxicities and synergism of apple orchard pesticides to Apis mellifera (L.) and Osmia cornifrons (Radoszkowski)	PLos One (2013) 8.9: e72587	Y	2	Full article	Acceptable well-documented study which meets basic scientific principles See study summary at MCA Section 9.	KCA 8.3.1

Number	Author	Year	Title	Reference	Meet relevance criteria Y or N	Meet Reliability Criteria Score	Basis for relevance/ reliability decision (title, abstract or full article)	Comments	EC data point
18.	Bostanian, N.J., Laurin, M-C.	2008	Effects of ten pesticides to Anystis baccarum (Acari: Anystidae)	IOBC/WPRS Bulletin (2008) Vol. 35, pp. 96-100	Y	2	Full article	Acceptable well-documented study which meets basic scientific principles See study summary at MCA Section 9.	KCA 8.3.2
19.	Bostanian, N.J., Thistlewood, H.A., Hardman, J.M., Laurin, M-C., Racette, G.	2009	Effect of seven new orchard pesticides in Galendromus occidentalis in laboratory studies	Pest Management Science (2009) Vol. 65(6), pp. 635-639	Y	2	Full article	Not a standard test species but species is native to the EU. No standard protocol cited but detailed methods are provided. See study summary at MCA Section 9.	KCA 8.3.2
20.	Bostanian, N.J., Hardman, J.M., Thistlewood, H.A., Racette, G.	2010a	Effects of six selected orchard insecticides on Neoseiulus fallacis (Acari: Phytoseiidae) in the laboratory	Pest Management Science (2010) Vol. 66(11), pp. 1263-1267	Y	2	Full article	Acceptable well-documented study which meets basic scientific principles See study summary at MCA Section 9.	KCA 8.3.2
21.	Bostanian, N.J., Hardman, J.M., Thistlewood, H.A., Racette, G.	2010b	The response of Neosiulus fallacis (Garman) and Galendromus occidentalis (Nesbitt) (Acari: Phytoseiidae) to six reduced risk insecticides in Canada	IOBC/WPRS Bulletin (2010) Vol. 55, pp. 73-77	Y	2	Full article	Not a standard test species but species is native to the EU. No standard protocol cited but detailed methods are provided. See study summary at MCA Section 9.	KCA 8.3.2

Number	Author	Year	Title	Reference	Meet relevance criteria Y or N	Meet Reliability Criteria Score	Basis for relevance/ reliability decision (title, abstract or full article)	Comments	EC data point
22.	Broufas, G.D., Pappas, M.L., Vassiliou, G., Koveos, D.S.	2008	Toxicity of certain pesticides to the predatory mite Euseius finlandicus (Acari: Phytoseiidae)	IOBC/WPRS Bulletin (2008) Vol. 35, pp. 85-91	Y	2	Full article	Not a standard test species but species is native to the EU. No standard protocol cited but detailed methods are provided. See study summary at MCA Section 9.	KCA 8.3.2
23.	Brunet, J.L., Badiou, A., Belzunces, L.P.	2005	In vivo metabolic fate of [C-14]-acetamiprid in six biological compartments of the honeybee, Apis mellifera L	Pest Manag Sci. (2005) Vol. 61(8), pp. 742-8.	N	N/A	Abstract	Study discusses metabolism, not toxicity	
24.	Budai, P., Lehel, J., Tavaszi, J., Kormos, E.	2010	HET-CAM test for determining the possible eye irritancy of pesticides	Acta Veterinaria Hungarica (2010) Vol. 58(3), pp. 369-77	N	N/A	Abstract	Data already available for the representative formulation	
25.	Cai, M., Zhong, H-J., Dong, X-H., Liu, J-X., Wu, X-J.	2012	Residue determination and degradation dynamics of acetamiprid 20% SL in cotton and soil	Nongyao (2012) Vol. 51(7), pp. 517-519, 522	N	N/A	Abstract	Field data generated in China which is not relevant to EU conditions	
26.	Cang, T., Wang, Y., Yu, R., Wu, C., Chen, L., Wu, S., Zhao, X.	2012	The acute toxicity and risk assessment of 25 pesticides used in nectar plant to Apis mellifera L.	Acta Agriculturae Zhejiangensis (2012) Vol. 24(5), pp. 853-859	N	N/A	Full article	Language is non-EU and so considered to be not relevant	

Number	Author	Year	Title	Reference	Meet relevance criteria Y or N	Meet Reliability Criteria Score	Basis for relevance/ reliability decision (title, abstract or full article)	Comments	EC data point
27.	Carbo, L., Martins, E.L., Dores, E.F.G.C., Spadotto, C.A., Weber, O.L.S., De-Lamonica-Freire, E.M.	2007	Acetamiprid, carbendazim, diuron and thiamethoxam sorption in two Brazilian tropical soils	Journal of Environmental Science and Health – Part B Pesticides, Food Contaminants and Agricultural Wastes (2007) Vol. 42(5), pp. 499-507	N	N/A	Full article	Sorption in tropical soils which are not relevant to the EU	
28.	Carbo, L., Souza, V., Dores, E.E.G.C., Riberio, M.L.	2008	Determination of pesticides multiresidues in shallow groundwater in a cotton-growing region of Mato Grosso, Brazil	Journal of the Brazilian Chemical Society 92008) Vol. 19(6), pp. 1111-1117	N	N/A	Abstract	Paper details an analytical methodology	
29.	Carvalho, G.A., Moura, A.P., Bueno, V.H.P.	2006	Side effects of pesticides on Trichogramma pretiosum (Hymenoptera: Trichogrammatidae)	Bulletin OILB/SROP (2006) Vol. 29(4), pp. 355-359	N	N/A	Abstract	Pest is not native to the EU and so paper is not considered relevant	
30.	Casida, J.E.	2011	Neonicotinoid metabolism: Compounds, substituents, pathways, enzymes, organisms, and relevance	Journal of Agricultural and Food Chemistry (2011) Vol. 59(7), Sp. Iss. SI, pp. 2923-2931	N	N/A	Full article	Review of metabolism of different types of neonicotinoids in mice and spinach. No new information	

Number	Author	Year	Title	Reference	Meet relevance criteria Y or N	Meet Reliability Criteria Score	Basis for relevance/ reliability decision (title, abstract or full article)	Comments	EC data point
31.	Cavas, T., Cinkilic, N., Vatan, O., Yilmaz, D., Coskun, M.	2012	In vitro genotoxicity evaluation of acetamiprid in CaCo-2 cells using the micronucleus, comet and gamma H2AX foci assays	Pesticide Biochemistry and Physiology (2012) Vol. 104.3, pp. 212-217	Y	3	Full article	The paper includes complete description of materials and methods. Although providing positive results in an in vitro micronucleus study as well as in other two in vitro assays (Comet and a new non-standard assay), these do not represent new information as Acetamiprid was positive for in vitro clastogencity in the available, fully compliant GLP study See study summary at MCA Section 9.	KCA 5.4.1
32.	Chandler, K.J., Barrier, M., Jeffay, S., Nichols, H.P., Kleinstreuer, N.C., Singh, A.V., Reif, D.M., Sipes, N.S., Judson, R.S., Dix, D.J., Kavlock, R., Hunter, E.S., Knudsen, T.B.	2011	Evaluation of 309 environmental chemicals using a mouse embryonic stem cell adherent cell differentiation and cytotoxicity assay	PLoS One. (2011) 6(6):e18540	N	N/A	Full article	Only minimal data on acetamiprid (i.e. increased cytotoxicity in the cell line used); mainly evaluation of the *in vitro* system used as an additional screening to be used in Toxcast™	

Number	Author	Year	Title	Reference	Meet relevance criteria Y or N	Meet Reliability Criteria Score	Basis for relevance/ reliability decision (title, abstract or full article)	Comments	EC data point
33.	Chen, X., Song, M., Qi, S., Wang, C.	2013a	Safety evaluation of eleven insecticides to Trichogramma nubilale (Hymenoptera: Trichogrammatidae)	Journal of Economic Entomology (2013) Vol. 106(1), pp. 136-141	Y	2	Full article	Not a standard test species but species is native to the EU. No standard protocol cited but detailed methods are provided. See study summary at MCA Section 9.	KCA 8.3.2
34.	Chorazy, A., Garnis, J.	2011	The impact of selected pesticides used in strawberry production for predatory mite Amblyseius andersoni (Chant) survival	Progress in Plant Protection (2011) Vol. 51(2), pp. 900-904	Y	2	Full article	Acceptable well-documented study which meets basic scientific principles See study summary at MCA Section 9.	KCA 8.3.2
35.	Cloyd, R.A., Bethke, J.A.	2011	Impact of neonicotinoid insecticides on natural enemies in greenhouse and interiorscape environments	Pest Management Science (2011) Vol. 67(1), pp. 3-9	N	N/A	Full article	Review paper – no experimental data	
36.	Cloyd, R.A., Dickinson, A.	2006	Effect of insecticides on mealybug destroyer (Coleoptera: Coccinellidae) and parasitoid Leptomastix dactylopii (Hymenoptera: Encyrtidae), natural enemies of citrus mealybug (Homoptera: Pseudococcidae)	Journal of Economic Entomology (2006) Vol. 99(5), pp. 1596-1604	Y	2	Full article	Not a standard test species but species is native to the EU. No standard protocol cited but detailed methods are provided. See study summary at MCA Section 9.	KCA 8.3.2

Number	Author	Year	Title	Reference	Meet relevance criteria Y or N	Meet Reliability Criteria Score	Basis for relevance/ reliability decision (title, abstract or full article)	Comments	EC data point
37.	Cönger, E., Aksu, P., Yigit, N., Dokumac, S., Baloglu, Z., Burcar, A.A.	2012	Studies in residue behaviour of certain pesticides used in vegetables	Bitki Koruma Bülteni (2012) Vol. 52(3), pp. 273-288	N	N/A	Abstract	Acetamiprid was not applied to a crop considered to be a representative use. The studies were not performed in the EU.	
38.	Cordero, R.J., Bloomquist, J.R., Kuhar, T.P.	2007	Susceptibility of two diamondback moth parasitoids, diadegma insulare (Cresson) (Hymenoptera: Ichneumonidae) and Oomyzus sokolowskii (Kurdjumov) (Hymenoptera: Eulophidae), to selected commercial insecticides	Biological Control (2007) Vol. 42(1), pp. 48-54	N	N/A	Abstract	Route of exposure (cabbage leaf dip) in lab study not relevant to the EU assessment	
39.	Costa, E.M., Araujo, E.L., Maia, A.V.P., Silva, F.E.L., Bezerra, C.E.S., Silva, J.G.	2014	Toxicity of insecticides used in the Brazilian melon crop to the honey bee Apis mellifera under laboratory conditions	Apidologie (2014) Vol. 45.1, pp. 34-44	Y	2	Full article	Acceptable well-documented study which meets basic scientific principles See study summary at MCA Section 9.	KCA 8.3.1
40.	Crampton, L.A., Loeb, G.M., Hoelmer, K.A., Hoffmann, M.P.	2010	Effect of insecticide regimens on biological control of the tarnished plant bug, Lygus lineolaris, by Peristenus spp. in New York State apple orchards	J Insect Sci. (2010) Vol. 10, pp. 36	N	N/A	Abstract	Study method (rate of parasitism determined using a DNA-based laboratory technique) not relevant to the EU assessment	

Number	Author	Year	Title	Reference	Meet relevance criteria	Meet Reliability Criteria	Basis for relevance/ reliability decision (title, abstract or full article)	Comments	EC data point
					Y or N	Score			
41.	Crozier, H.L., Cutler, G.C.	2014	Susceptibility of Chrysochus auratus , a natural enemy of spreading dogbane, to insecticides used in wild blueberry production	Journal of Applied Entomology (2014) Vol. 138.1/2, pp. 159-162	N	N/A	Abstract	Route of exposure of beetles (direct topical contact and ingestion of treated foliage) in lab study not relevant to the EU assessment	
42.	Cui, X., Zhang, Q., Jiang, H., Lin, R., Wang, K.	2012	Acute toxicity evaluation of neonicotinoid insecticides to Bombyx mori and observation of toxic symptoms	Canye Kexue, (2012) Vol. 38(2), pp. 288-291	N	N/A	Abstract	Route of exposure (leaf dipping) in lab study not relevant to the EU assessment	
43.	De Lima Junior, I. dos S., Nogueira, R.F., Bertoncello, T.F., de Melo, E.P., Suckane, R., Degrande, P.E.	2010	Selectivity of pesticides over predators of cotton plant pests	Pesquisa Agropeccuaria Tropical (2010) Vol. 40(3), pp. 347-353	N	N/A	Full article	Crop sprayed (cotton) is not a representative crop and limited information on predators of cotton pests provided	
44.	Decourtye, A., Devillers, J.	2010	Ecotoxicity of neonicotinoid insecticides to bees	Advances in Experimental Medicine and Biology (2010) Vol. 683, pp. 85-95	N	N/A	Abstract	Review paper – not experimental data	
45.	Demir, N., Nadaroglu, H., Demir, Y., Sener, A.A.	2011	An in vitro, study of some pesticides on the activity of human serum paraoxonase (PON1)	Jordan Journal of Chemistry (2011) Vol. 6(4), pp. 439-451	N	N/A	Full article	An IC50 of 38.19 mM on paraoxnase-1 activity was derived for acetamiprid. Information has no regulatory relevance	

Number	Author	Year	Title	Reference	Meet relevance criteria Y or N	Meet Reliability Criteria Score	Basis for relevance/ reliability decision (title, abstract or full article)	Comments	EC data point
46.	Dujaković, N., Grujić, S., Radisić, M., Vasiljević, T., Lausević, M.	2010	Determination of pesticides in surface and ground waters by liquid chromatography-electrospray-tandem mass spectrometry	Anal Chim Acta. (2010) Vol. 678(1), pp. 63-72	N	N/A	Abstract	Paper details an analytical methodology	
47.	Duso, C., Ahmad, S., Tirello, P., Pozzebon, A., Klaric, V., Baldessari, M., Malagnini, V., Angeli, G.	2014	The impact of insecticides applied in apple orchards on the predatory mite Kampimodromus aberrans (Acari: Phytoseiidae)	Exp Appl Acarol. (2014) Vol. 62(3), pp. 391-414	Y	2	Full article	Not a standard test species but species is native to the EU. No standard protocol cited but detailed methods are provided. See study summary at MCA Section 9.	KCA 8.3.2
48.	Echegaray, E.R., Cloyd, R.A.	2012	Effects of reduced-risk pesticides and plant growth regulators on rove beetle (Coleoptera: Staphylinidae) adults	Journal of Economic Entomology (2012) Vol. 105.6, pp. 2097-106	Y	2	Full article	Not a standard test species but species is native to the EU. No standard protocol cited but detailed methods are provided. See study summary at MCA Section 9.	KCA 8.3.2
49.	El Hassani, A.K., Dacher, M., Gary, V., Lambin, M., Gauthier, M., Armengaud, C.	2008	Effects of sublethal doses of acetamiprid and thiamethoxam on the behavior of the honeybee (Apis mellifera)	Archives of Environmental Contamination and Toxicology (2008) Vol. 54(4), pp. 653-61	Y	2	Full article	Sublethal effects on bees relevant for EU assessment See study summary at MCA Section 9.	KCA 8.3.1

Number	Author	Year	Title	Reference	Meet relevance criteria Y or N	Meet Reliability Criteria Score	Basis for relevance/ reliability decision (title, abstract or full article)	Comments	EC data point
50.	El-Din, A.M.S., Azab, M.M., El-Zaher, T.R.A., Zidan, Z.H.A., Morsy, A.R.	2012	Persistence of acetamiprid and dinotefuran in cucumber and tomato fruits	American-Eurasian Journal of Toxicological Sciences (AEJTS) (2012) Vol. 4.2, pp. 103-107	N	N/A	Full article	Field trials were conducted outside the EU (Egypt). The trials were open field trials whereas the representative use is on protected tomato. Acetamiprid was applied once to open field tomato and cucumber at a rate of approximately 240 g/ha. Samples were taken immediately after application and at 3, 5, 7, 10 and 15 days after application. Samples were analysed according to method 'Masanori, T., Gomyo, T. 'Residue analytical method of insecticide N-25 in crops' Report No. EC-251, Nippon Soda Co. Ltd. Tokyo, Japan, 1994	

Number	Author	Year	Title	Reference	Meet relevance criteria Y or N	Meet Reliability Criteria Score	Basis for relevance/ reliability decision (title, abstract or full article)	Comments	EC data point
51.	Ergene, S., Celik, A., Cavaş, T., Kaya, F.	2007	Genotoxic biomonitoring study of population residing in pesticide contaminated regions in Goksu Delta: Micronucleus, chromosomal aberrations and sister chromatid exchanges	Environ Int. (2007) Vol. 33(7), pp. 877-85	N	N/A	Abstract	Exposure to mixture of pesticides (likely to be formulated products and unclear whether acetamiprid is amongst these) and additional confounding factors (e.g. smoking habits)	
52.	Ersin, F., Madanlar, N.	2006	Investigations on the effects of some pesticides used in greenhouse vegetables on predatory mite Phytoseiulus persimilis A.-H. (Acarina: Phytoseiidae) in laboratory conditions	Türkiye Entomoloji Dergisi (2006) Vol. 30(1), pp. 67-80	N	N/A	Full article	Language is non-EU and so considered to be not relevant	
53.	Fanti, M., Maines, R., Angeli, G.	2006	Evaluation of the repellency and acute toxicity of Neonicotinoids insecticides on Apis mellifera ligustica	In Giornate Fitopatologiche 2006, Riccione (RN), 27-29 marzo 2006. Atti, volume primo, by Fanti, M., Maines, R., Angeli, G., 51-58. Bologna, Italy: Università di Bologna, 2006	Y	2	Full article	Acceptable well-documented study which meets basic scientific principles See study summary at MCA Section 9.	KCA 8.3.2

Number	Author	Year	Title	Reference	Meet relevance criteria	Meet Reliability Criteria	Basis for relevance/ reliability decision (title, abstract or full article)	Comments	EC data point
					Y or N	Score			
54.	Fiedler, Z.	2009	Anblyseius andersoni (Chant) – new alternative for biological control of mite pests	Progress in Plant Protection (2009) Vol. 49(3), pp. 1469-1473	Y	2	Full article	Acceptable well-documented study which meets basic scientific principles See study summary at MCA Section 9.	KCA 8.3.2
55.	Fogel, M.N., González, B., Ronco, A.E., Schneider, M.I., Desneux, N.	2013	Impact of the neonicotinoid acetamiprid on immature stages of the predator Eriopis connexa (Coleoptera: Coccinellidae)	Ecotoxicology (2013) Vol. 22.6, pp. 1063-1071	N	N/A	Full article	Route of exposure (egg dipping and larvae topical application treatment) not relevant to the EU assessment	
56.	Ford, K.A., Casida, J.E.	2008	Comparative metabolism and pharmacokinetics of seven neonicotinoid insecticides in spinach	J Agric Food Chem. (2008) Vol. 56(21), pp. 10168-75	Y	2	Full article	Scientifically substantiated article with detailed description of plant metabolism. Amongst others, acetamiprid was applied hydroponically to spinach plants with 50 mL of a 100 ppm solution of the active substance. Study does not follow OECD guidelines See study summary at MCA Section 9.	KCA 6.2.1

Number	Author	Year	Title	Reference	Meet relevance criteria	Meet Reliability Criteria	Basis for relevance/ reliability decision (title, abstract or full article)	Comments	EC data point
					Y or N	Score			
57.	Gorzka, D., Olszak, R.W.	2010	Insecticide selectivity tests on spider mite destroyer (Stethorus punctillum) (Weise) (Coleoptera: Coccinellidae) in laboratory conditions	IOBC/WPRS Bulletin (2010) Vol. 55, pp. 109-112	N	N/A	Abstract	Route of exposure (test organisms sprayed) in lab study not relevant to the EU assessment	
58.	Gosalwad, S.S., Wadnerkar, D.W.	2009	Effect of insecticides on green lace wing and ladybird beetle in okra (Abelmoschus esculentus L.) (Moench)	Journal of Plant Protection and Environment (2009) Vol. 691), pp. 11-16	N	N/A	Full article	Location of field study (India) not relevant to the EU assessment	
59.	Grafton-Cardwell, E.E., Scott, S.J.	2011	Aphytis melinus response to citricola scale treatments, 2010	Arthropod Management Tests, (2011) Vol. 36, pp. L8/1	N	N/A	Full article	Test species indigenous to USA and not relevant to the EU assessment	

Number	Author	Year	Title	Reference	Meet relevance criteria Y or N	Meet Reliability Criteria Score	Basis for relevance/ reliability decision (title, abstract or full article)	Comments	EC data point
60.	Gu, Y., Li, Y., Huang, X., Zheng, J., Yang, J., Diao, H., Yuan, Y., Xu, Y., Liu, M., Shi, H., Xu, W.	2013a	Reproductive effects of two neonicotinoid insecticides on mouse sperm function and early embryonic development in vitro	PLoS ONE 8.7 (Jul 29, 2013)	Y	3	Full article	An *in vitro* study not relevant to actual gamete exposures, relevance of concentrations tested not justified and way in excess of *in vivo* exposures, (with the lower concentration being defined as that for nicotine which caused massive fragmentation and death the next day), and exposure to neat material rather than metabolites as would occur *in vivo*. See study summary at MCA Section 9.	KCA 5.6
61.	Guo, J., Cai, E., Shi, T., Zhang, Q.	2008	Residual degradation dynamics and safe usage technology of acetamiprid in vegetable soybean	Nongyao (2008) Vol. 47(9), pp. 670-673	N	N/A	Abstract	Degradation rates of acetamiprid in soybean do not have any impact on the EU regulatory endpoints for environmental fate	
62.	Guohong, X., Jianxiao, L.V., Guoguang, L., Dezhi, S., Zheng, L.	2008	Effects of surfactants on the kinetics of acetamiprid photolysis	Reaction Kinetics and Catalysis Letters (2008) Vol. 95(2), pp. 289-299	N	N/A	Abstract	No impact on regulatory endpoints or risk assessment parameters	

Number	Author	Year	Title	Reference	Meet relevance criteria Y or N	Meet Reliability Criteria Score	Basis for relevance/ reliability decision (title, abstract or full article)	Comments	EC data point
63.	Guohong, X., Liu, G., Dezhi, S., Zheng, L.	2009	Kinetics of acetamiprid photolysis in solution	Bulletin of Environmental Contamination and Toxicology (2009) Vol. 82(2), pp. 129-132	N	N/A	Abstract	No impact on regulatory endpoints or risk assessment parameters	
64.	Gupta, S., Gajbhiye, V.T.	2007	Persistence of acetamiprid in soil	Bulletin of Environmental Contamination and Toxicology (2007) Vol. 78(5), pp. 349	N	N/A	Full article	Laboratory data in Indian soil not using standard EU kinetics assessment. Raw data consistent with current regulatory data package	
65.	Gupta, M., Shanker, A.	2008	Persistence of acetamiprid in tea and its transfer from made tea to infusion	Food Chemistry (2008) Vol. 111(4), pp. 805-810	N	N/A	Abstract	Acetamiprid was not applied to a crop considered to be a representative use. The trials were not performed in the EU. Processing of the crop to infusion is not relevant for AIR.	
66.	Gupta, M., Shanker, A.	2009a	Fate of imidacloprid and acetamiprid residues during black tea manufacture and transfer into tea infusion	Food Additives and Contaminants A (2009) Vol. 26(2), pp. 157-163	N	N/A	Abstract	Processing of tea is not relevant for the crops from the representative uses	
67.	Gupta, R.K., Gupta, S., Gajbhiye, V.T., Meher, H.C., Singh, G.	2005	Residues of imidacloprid, acetamiprid and thiamethoxam in gram	Pesticide Research Journal (2005) Vol. 17(1), pp. 46-50	N	N/A	Abstract	Legume vegetables are not crops from the representative uses	

Number	Author	Year	Title	Reference	Meet relevance criteria Y or N	Meet Reliability Criteria Score	Basis for relevance/ reliability decision (title, abstract or full article)	Comments	EC data point
68.	Gupta, S., Gajbhiye, V.T., Gupta, R.K.	2008	Effect of light on the degradation of two neonicotinoids viz acetamiprid and thiacloprid in soil	Bulletin of Environmental Contamination and Toxicology (2008) Vol. 81(2), pp. 185-9	N	N/A	Abstract	No impact on regulatory endpoints or risk assessment parameters	
69.	Guzsvany, V., Csanadi, J., Gal, F.	2006a	NMR study of the influence of pH on the persistence of some neonicotinoids in water	Acta Chimica Slovenica (2006) Vol. 53(1), pp. 52-57	N	N/A	Full article	Methodological paper considering time-dependent NMR spectra	
70.	Hou, R-Y., Hu, J-F., Qian, X-S., Su, T. Wang, X-H., Zhao, X-X., Wan, X-C.	2013a	Comparison of the dissipation behaviour of three neonicotinoid insecticides in tea	Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment (20130 Vol. 30.10, pp. 1761-1769	N	N/A	Abstract	Tea is not a crop from the representative use. Processing of the crop to infusion is not relevant to the AIR	
71.	Illarionov, A.I., Derkach, A.A.	2008	Toxicity and Hazard of Neonicotinoids for Honeybees	Agrokhimiya (2008) Vol. 10, pp. 74-81	N	N/A	Abstract	Language is non-EU and so considered to be not relevant	
72.	Imamura, T., Yanagawa, Y., Nishikawa, K., Matsumoto, M., Sakomoto, T.	2010	Two cases of acute poisoning with acetamiprid in humans	Clinical Toxicology (2010) Vol. 48(8), pp. 851-853	Y	N/A (case reports)	Full article	See study summary at MCA Section 9.	KCA 5.9.3; 5.9.5; KCA 5.9.6
73.	Iwasa, T., Motoyama, N., Ambrose, J.T., Roe, R.M.	2004	Mechanism for differential toxicity of neonicotinoid insecticides in the honey bee, Apis mellifera	Crop Protection (2004) Vol. 23(5), pp. 371-378	Y	2	Full article	Acceptable well-documented study which meets basic scientific principles See study summary at MCA Section 9.	KCA 8.3.1

Number	Author	Year	Title	Reference	Meet relevance criteria Y or N	Meet Reliability Criteria Score	Basis for relevance/ reliability decision (title, abstract or full article)	Comments	EC data point
74.	Jadhav, D.S., Shukla, A.	2013	Relative toxicity of some insecticides to Coccinella transversalis (F.)	Indian Journal of Entomology (2013) Vol. 75.4, pp. 301-303	N	N/A	Full article	Test species indigenous to Australia/Asia and not relevant to the EU assessment	
75.	Janeerunnisa, S., Rasool, S.N., Rangaswamy, V., Ramanajaneyulu, R.	2011	Physico-chemical and biological activities of black clay soils as polluted by acetamiprid (A new neonicotinoid insecticide)	Pollution Research (2011) Vol. 30(4), pp. 449-452	N	N/A	Abstract	Study conducted on black clay soils in India – not relevant to the EU assessment	
76.	Jiang, Y., Shibamoto, T., Li, Y., Pan, C.	2013	Effect of household and commercial processing on acetamiprid, azoxystrobin and methidathion residues during crude rapeseed oil production	Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment (2013) Vol. 30.7, pp. 1279-1286	N	N/A	Abstract	Oilseed rape is not a crop from the representative use. Processing of the crop to crop oil is not relevant for this AIR	
77.	Karamova, N.S ., Denisova, A. P., Stashevski, Z.	2008	Evaluation of mutagenic activities of pesticides: actara, sencor, mospilan, pencozeb and fastac, in the Ames test	Ekologicheskaya Genetika (2008) Vol. 6(4), pp. 29-33	N	N/A	Abstract	Ames test performed with a formulated product (negative). Data for acetamiprid already available	
78.	Kilpatrick, A.L., Hagerty, A.M., Turnipseed, S.G., Sullivan, M.J., Bridges, W.C.	2005	Activity of selected neonicotinoids and dicrotophos on nontarget arthropods in cotton: implications in insect management	Journal of Economic Entomology (2005) Vol. 98(3), pp. 814-820	N	N/A	Full article	Test species indigenous to Australia/Asia and not relevant to the EU assessment	

Number	Author	Year	Title	Reference	Meet relevance criteria Y or N	Meet Reliability Criteria Score	Basis for relevance/ reliability decision (title, abstract or full article)	Comments	EC data point
79.	Kim, D-S., Brooks, D.J., Riedl, H.	2006a	Lethal and sublethal effects of abamectin, spinosad, methoxyfenozide and acetamiprid on the predaceous plant bug Deraeocoris brevis in the laboratory	BioControl (2006) Vol. 51(4), pp. 465-484	N	N/A	Abstract	Route of exposure (topical application) in lab study not relevant to the EU assessment	
80.	Kimura-Kuroda, J., Komuta, Y., Kuroda, Y., Hayashi, M., Kawano, H.	2012	Nicotine-like effects of the neonicotinoid insecticides acetamiprid and imidacloprid on cerebellar neurons from neonatal rats	PLoS ONE (2012) Vol. 7.2	N	N/A	Full article	Study of receptor subunit binding and cannot imply any new toxicity over existing studies	
81.	Kocaman, A.Y., Topaktas, M.	2007	In vitro evaluation of the genotoxicity of acetamiprid in human peripheral blood lymphocytes	Environmental and Molecular Mutagenesis (2007) Vol. 48(6), pp. 483-490	N	N/A	Abstract	Study performed with the formulated product. Data for acetamiprid already available	
82.	Kocaman, A.Y., Topaktaş, M.	2010	Genotoxic effects of a particular mixture of acetamiprid and α-cypermethrin on chromosome aberration, sister chromatid exchange, and micronucleus formation in human peripheral blood lymphocytes	Environ Toxicol. (2010) Vol. 25(2), pp. 157-68	N	N/A	Abstract	Unclear if study was performed with formulated product or active substances. Acetamiprid is not expected to be used together with α-cypermethrin. Genotoxicity data for acetamiprid already available.	

Number	Author	Year	Title	Reference	Meet relevance criteria Y or N	Meet Reliability Criteria Score	Basis for relevance/ reliability decision (title, abstract or full article)	Comments	EC data point
83.	Kolekar, V.S., Wakure, D.D., Raut, P.N., Utture, S.C.	2011	Monitoring of pesticide residues in exportable pomegranate fruits	ISHS Acta Horticulturae 890: II International Symposium on Pomegranate and Minor - including Mediterranean - Fruits: ISPMMF2009	N	N/A	Abstract	Monitoring study on pomegranate does not contain relevant data for the AIR	
84.	Kong, Z., Shan, W., Dong, F., Liu, X., Xu, J., Li, M., Zheng, Y.	2012	Effect of home processing on the distribution and reduction of pesticide residues in apples	Food Additives and Contaminants A (2012) Vol. 29(8), pp. 1280-1287	Y	2	Full article	Processing on apple relevant for this AIR. Application rate much lower than the GAP (3 x 1.5-3 g/ha) Study supports current processing factors on apple. Study also contains a method validation for whole fruit and juice with the deficiency of no method confirmation See study summary at MCA Section 9.	KCA 6.5.3

Number	Author	Year	Title	Reference	Meet relevance criteria Y or N	Meet Reliability Criteria Score	Basis for relevance/ reliability decision (title, abstract or full article)	Comments	EC data point
85.	Kutuk, H., Yigit, A.	2009	Residual toxicity of pymetrozine, spiromesifen, spinosad and acetamiprid to the predacious ladybird Serangium parcesetosum (Coleoptera: Coccinellidae), a predator of the whitefly, Bemisia tabaci (Homoptera: Aleyrodidae) on greenhouse crops in the east Mediterranean region of Turkey	IOBC/WPRS (2009) Bulletin 49, pp. 353-358	Y	2	Full article	Not a standard test species but species is native to the EU. No standard protocol cited but detailed methods are provided. See study summary at MCA Section 9.	KCA 8.3.2
86.	Lai, Z., Deng, X., Wang, X., Hao, X., Yuan, Z.	2010	Adsorption and mobility of acetamiprid and abamectin in four soils	Nongyaoxue Xuebao (2010) Vol. 12(3), pp. 361-366	N	N/A	Abstract	No impact on regulatory endpoints or risk assessment parameters	
87.	Lanzoni, A., Sangiorgi, L., Luigi, V. de, Consolini, L., Pasqualini, E., Burgio, G.	2012	Evaluation of chronic toxicity of four neonicotinoids to Adalia bipunctata L. (Coleoptera: Coccinellidae) using a demographic approach	IOBC/WPRS Bulletin (2012) Vol. 74, pp. 211-217	Y	2	Full article	Not a standard test species but species is native to the EU. No standard protocol cited but detailed methods are provided. See study summary at MCA Section 9.	KCA 8.3.2

Number	Author	Year	Title	Reference	Meet relevance criteria Y or N	Meet Reliability Criteria Score	Basis for relevance/ reliability decision (title, abstract or full article)	Comments	EC data point
88.	Laurin, M.C., Bostanian, N.J.	2007	Laboratory studies to elucidate the residual toxicity of eight insecticides to Anystis baccarum (Acari: Anysridae)	Journal of Economic Entomology (2007) Vol. 100(4), pp. 1210-1214	Y	2	Full article	Not a standard test species but species is native to the EU. No standard protocol cited but detailed methods are provided. See study summary at MCA Section 9.	KCA 8.3.2
89.	Laurino, D., Porporato, M., Patetta, A., Manino, A.	2011	Toxicity of neonicotinoid insecticides to honey bees: laboratory tests	Bulletin of Insectology (2011) Vol. 64(1), pp. 107-113	Y	2	Full article	Not a standard test species but species is native to the EU. No standard protocol cited but detailed methods are provided. See study summary at MCA Section 9.	KCA 8.3.1
90.	Licciardello, F., Antoci, M.L., Brugaletta, L., Cirelli, G.L..	2011	Evaluation of groundwater contamination in a coastal area of south-eastern Sicily	J Environ Sci Health B. (2011) Vol. 46(6), pp. 498-508	N	N/A	Full article	Suite of pesticides monitored. Data relating to acetamiprid is virtually entirely methodological. No impact on regulatory endpoints	

Number	Author	Year	Title	Reference	Meet relevance criteria Y or N	Meet Reliability Criteria Score	Basis for relevance/ reliability decision (title, abstract or full article)	Comments	EC data point
91.	Lin, P-C., Lin, H-J., Liao, Y-Y., Guo, H-R., Chen, K-T.	2013	Acute poisoning with neonicotinoid insecticides: A case report and literature review	Basic & Clinical Pharmacology & Toxicology (2013) Vol. 112.4, pp. 282-286	Y	N/A (literature review)	Full article	Literature review of case reports of acute poisoning with neonicotinoids indicates main clinical signs/main affected symptoms and that amounts ingested and plasma concentrations are not useful guides for the management of intoxicated patients. Supportive treatments and decontamination is recommended. See study summary at MCA Section 9.	KCA 5.9.3; 5.9.5; KCA 5.9.6
92.	Lindqvist, B-O., Hansson, J-B., Joensson, C., Persson, K.M.	2007	Presence of pesticide residues in groundwaters: monitoring in Simrishamn in 2002-2007	Vatten (2007) Vol. 63(2), pp. 159-163	N	N/A	Abstract	General paper on pesticide monitoring	
93.	Liu, X., Dong, F., Wang, M., Zheng, Y., Yao, J.	2007	Residues and degradation of different forms of acetamiprid in cotton and soil	Nongye Huanjing Kexue Xuebao, (2007) Vol. 26, No. 5, pp. 1772-1775	N	N/A	Abstract	Paper details an analytical methodology	

Number	Author	Year	Title	Reference	Meet relevance criteria Y or N	Meet Reliability Criteria Score	Basis for relevance/ reliability decision (title, abstract or full article)	Comments	EC data point
94.	Liu, Z., Dai, Y., Huang, G., Gu, Y., Wei, H., Yuan, S., Ni, J.	2011a	Soil microbial degradation of neonicotinoid insecticides imidacloprid, acetamiprid, thiacloprid and imidaclothiz and its effect on the persistence of bioefficacy against horsebean aphid Aphis craccivora Koch after soil application	Pest Management Science (2011) Vol. 67(10), pp. 1245-1252	N	N/A	Abstract	Comparisons between different neonicotinoids. No impact on regulatory endpoints	
95.	Lozowicka, B.	2009	Risk and threat for consumers health by pesticide residues in crops from north-eastern Poland	Ecological Chemistry and Engineering A (2009) Vol. 16(10), pp. 1327-1337	N	N/A	Abstract	Marketplace monitoring study from Polish food including risk assessment. Not relevant for this AIR	
96.	Łozowicka, B., Jankowska, M., Kaczyński, P.	2012	Pesticide residues in Brassica vegetables and exposure assessment of consumers	Food Control (2012) Vol. 25(2), pp. 561-575	N	N/A	Abstract	Marketplace monitoring study from Polish food including risk assessment. Not relevant for this AIR	
97.	Mafi, S.A., Ohbayashi, N.	2006	Toxicity of insecticides to the citrus leafminer, Phyllocnistis citrella, and its parasitoids, Chrysocharis penthus and Sympiesis striatipes (Hymeoptera: eulophidae)	Applied Entomology and Zoology (2006) Vol. 41(1), pp. 33-39	N	N/A	Full article	Species native to Asia, non-standard EU species. Methods are not well detailed, no evidence of dilution series or dilution/controls. Non-standard methods of exposure	

Number	Author	Year	Title	Reference	Meet relevance criteria Y or N	Meet Reliability Criteria Score	Basis for relevance/ reliability decision (title, abstract or full article)	Comments	EC data point
98.	Malev, O., Klobucar, R.S., Fabbretti, E., Trebse, P.	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) Vol. 104.3, pp. 178-186	Y	2	Full article	Standard species (algae and amphipod), standard protocol not cited but methods are well reported See study summary at MCA Section 9.	KCA 8.2.4
99.	Mali, A.K., Kurtadikar, J.S., Wadnerkar, D.W., Nemade, P.W.	2008a	Studies on the safety of pesticides to grapevine mealy bug predator, Cryptolaemus montrouzieri Aiyar	Pestology (2008) Vol. 32(1), pp. 37-46	N	N/A	Full article	Test species indigenous to India and not relevant to the EU assessment	
100.	Mali, A.K., Kurtadikar, J.S., Wadnerkar, D.W., Nemade, P.W.	2008b	Studies on the safety of pesticides to grapevine mealy bug predator, Cryptolaemus montrouzieri Aiyar	Pestology (2008) Vol. 32(4), pp. 17-27	N	N/A	Full article	Test species indigenous to Australia and not relevant to the EU assessment	
101.	Melo, A., Pinto, E., Aguiar, A., Mansilha, C., Pinho, O., Ferreira, I.M.P.L.V.O.	2012a	Impact of intensive horticulture practices on groundwater content of nitrates, sodium, potassium, and pesticides	Environmental Monitoring and Assessment (2012) Vol. 184.7, pp. 4539-4551	N	N/A	Full article	Suite of pesticides monitored in Portugal. Acetamiprid results <LOQ (0.01 µg/l). No impact on regulatory endpoints	
102.	Mhaske, B.M., Pardeshi, S.R., Bhoite, K.D., Rasal, P.N.	2007	Biosafety of Coccinellid predators and chemical control of wheat aphids	Agricultural Science Digest (2007) Vol. 27(4), pp. 264-266	N	N/A	Article	Not relevant because it is and efficacy study field study carried out in India	

Number	Author	Year	Title	Reference	Meet relevance criteria Y or N	Meet Reliability Criteria Score	Basis for relevance/ reliability decision (title, abstract or full article)	Comments	EC data point
103.	Miranda, G.R.B., Raetano, C.G., Silva, E., Daam, M.A., Cerejeria, M.J.	2011	Environmental fate of neonicotinoids and classification of their potential risks to Hypogean, epygean and surface water ecosystems in Brazil	Human and Ecological Risk Assessment (2011) Vol. 17(4), pp. 981-995	N	N/A	Abstract	Field data from Brazil not relevant to the EU	
104.	Mitsika, E.E., Christophoridis, C., Fytianos, K.	2013	Fenton and Fenton-like oxidation of pesticide acetamiprid in water samples: kinetic study of the degradation and optimization using response surface methodology	Chemosphere (2013) Vol. 93.9, pp. 1818-25	N	N/A	Abstract	No impact on regulatory endpoints	
105.	Mondal, S., Ghosh, R.C., Mate, M.S., Karmakar, D.B.	2009a	Effects of acetamiprid on immune system in female wistar rats	Proceedings of the Zoological Society (Calcutta) (2009) Vol. 62(2), pp. 109-117	N	N/A	Full article	Study performed with an acetamiprid formulation. Fully complaint, GLP immunotoxicity studies in rats and mice are available for acetamiprid	
106.	Mondal, S., Ghosh, R.C., Mate, M., Ghosh, C.K.	2009b	In-vivo sub-acute oral acetamiprid toxicity in hematological indices in Rattus norvegicus	Environment and Ecology (2009) Vol.27(4A), pp. 1767-1769	N	N/A	Abstract	Fully compliant GLP studies available for acetamiprid. No new information	
107.	Mondal, S., Ghosh, R.C., Mukhopadhyaya, S.K.	2012	Studies on the electrolytes and microelements in Wistar rat following multiple exposures to acetamiprid	Toxicology and Industrial Health (2011) Vol. 28(5), pp. 422-7	N	N/A	Abstract	Fully compliant GLP studies available for acetamiprid. No new information	

Number	Author	Year	Title	Reference	Meet relevance criteria Y or N	Meet Reliability Criteria Score	Basis for relevance/ reliability decision (title, abstract or full article)	Comments	EC data point
108.	Morakchi, S., Maïza, A., Farine, J.P., Aribi, N., Soltani, N.	2005	Effects of a neonicotinoid insecticide (acetamiprid) on acetylcholinesterase activity and cuticular hydrocarbons profile in German cockroaches	Communications in Agricultural and Applied Biological Sciences (2005) Vol. 70(4), pp. 843-848	N	N/A	Abstract	Not a mammalian study	
109.	Nadaf, H.A., Yadav, G.S., Kaushik, H.D., Sharma, S.K.	2013	Toxicity of new molecules of insecticides against honeybee, Apis mellifera	Trends in Biosciences (2013) Vol. 6(4), pp. 445-447	Y	2	Full article	Standard species (European honeybee) tested using dry film method. No standard method cited but methods are well reported See study summary at MCA Section 9.	KCA 8.3.1
110.	Nag, S., Dutta, R., Pal, K.K.	2013	Chromosomal aberrations induced by acetamiprid in Allium cepa L. root meristem cells	Indian Journal of Fundamental and Applied Life Sciences (2013) Vol. 3.2, pp. 1-5	N	N/A	Full article	Non-standard study conducted with the formulated product using material of vegetal origin. Fully compliant genotoxicity studies available for acetamiprid	
111.	Nakahira, K., Kashitani, R., Tomoda, M., Kodama, R., Ito, K., Yamanaka, S., Momoshita, M., Arakawa, R., Takagi, M.	2011	Systemic nicotinoid toxicity against the predatory mirid Pilophorus typicus: Residual side effect and evidence for plant sucking	Journal of the Faculty of Agriculture Kyushu University (2011) Vol. 56(1), pp. 53-55	N	N/A	Full article	Non-standard species native to Asia and not the EU	

Number	Author	Year	Title	Reference	Meet relevance criteria Y or N	Meet Reliability Criteria Score	Basis for relevance/ reliability decision (title, abstract or full article)	Comments	EC data point
112.	Nasreen, A., Cheema, G.M., Ashfaq, M., Saleem, M.A.	2004	Survival of Trichlogramma chilonis ishii (Hymeoptera: trichogrammitidae) after exposure to different insecticides: laboratory studies	Pakistan Journal of Zoology (2004) Vol.36(1), pp. 79-82	N	N/A	Abstract	Route of exposure (leaf dipping) in lab study not relevant to the EU assessment	
113.	Nevein, S.A., El-Bouze, M.F.R., El-Aziz, S.A.A.	2004	Residual behaviour of penconazole and acetamiprid pesticides on and in green pepper and cucumber fruits under plastic house conditions	Arab Universities Journal of Agricultural Sciences (2004) Vol. 12.2, pp. 795-806	N	N/A	Abstract	Pepper and cucumber are not representative uses	
114.	Noaishi, M.A., Eweis, E.A., Kandil, M.A.	2006	Evaluation of the chromosomal aberrations induction in rat lymphocyte cultures after subchronic treatment with different pesticides	Bulletin of Faculty of Agriculture, Cairo University (2006) Vol. 57(2), pp. 295-305	N	N/A	Abstract	Unclear if formulated product was used. Results negative and data on acetamiprid already available	
115.	Ozawa, A.	2005	Effects of several insecticides on the predacious natural enemy, Pseudoscymnus hareja (Weise), of the white peach scale, Pseudaulacaspis pentagina (Targioni)	Annual Report of the Kanto-Tosan Plant Protection Society (2005) Vol. 52, pp. 115-118	N	N/A	Full article	Route of exposure non-relevant (tea leaves dipped in pesticide). Paper written in a non-EU language and so non-relevant	

Number	Author	Year	Title	Reference	Meet relevance criteria Y or N	Meet Reliability Criteria Score	Basis for relevance/ reliability decision (title, abstract or full article)	Comments	EC data point
116.	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. (2012) Vol. 33(2), pp. 174-87	Y	2	Full article	Methodology and reporting acceptable. No chemical analyses performed, but there was daily renewal. Contains limited information showing that at a single concentration exposure the active substance did not have an effect on zebrafish development See study summary at MCA Section 9.	KCA 8.2
117.	Panuescu, A., Ponepal, C.M., Draghici, O., Marinescu, A.G.	2008	Histologic modification induced by the action of the insecticide Samurai on the skin and liver of Rana ridibunda	Lucrari Stiintifice – Universitatea de Stiinte Agronomice si Medicina Veterinara Bucuresti. Seria B, Horticultura (2008) Vol. 51, pp. 666-670	N	N/A	Abstract	Not a mammalian study. Appropriate and compliant dermal absorption studies already available	
118.	Panuescu, A., Ponepal, C.M., Zgurschi, G. Marinescu, A.G.	2011	Histophysiological changes induced by the action of Mospilan 20SG insecticide in prussian carp (Carassius auratus gibelio Bloch)	Annals: Food Science and Technology (2011) Vol. 12(2), pp. 169-173	N	N/A	Full article	Endpoints reported in the article (carp gill histopathology and respiration rates) are not relevant	

Number	Author	Year	Title	Reference	Meet relevance criteria Y or N	Meet Reliability Criteria Score	Basis for relevance/ reliability decision (title, abstract or full article)	Comments	EC data point
119.	Papa, E., Castiglioni, S., Gramatica, P., Nikolayenko, V., Kayumov, O., Calamari, D.	2004	Screening the leaching tendency of pesticides applied in the Amu Darya Basin (Uzbekistan)	Water Res. (2004) Vol. 38(16), pp. 3485-94.	N	N/A	Abstract	Field data from Uzbekistan not relevant to the EU	
120.	Pastagia, J.J., Patel, M.B.	2007	Relative contact toxicity of some insecticides to worker bees of Apis cerana F.	Journal of Plant Protection and Environment (2007) Vol. 4(2), pp. 89-92	N	N/A	Abstract	Route of exposure (dry film method) of bees in lab study not relevant to the EU assessment	
121.	Pazzirota, T., Martin, L., Mezcua, M., Ferrer, C., Fernandez-Alba, A.R.	2013	Processing factor for a selected group of pesticides in a wine-making process: distribution of pesticides during grape processing	Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment (2013) Vol. 30(10), pp. 1752-1760	N	N/A	Abstract	Processing study on grapes. Grapes are not a crop from the representative use	
122.	Phua, D.H., Lin, C.C., Wu, M.L., Deng, J.F., Yang, C.C.	2009	Neonicotinoid insecticides: an emerging cause of acute pesticide poisoning	Clin Toxicol (Phila). (2009) Vol. 47(4), pp. 336-41	N	N/A	Full article	Retrospective analysis of all neonicotinoid exposures reported to the Taiwan National poison Center (PCC_Taiwan) from 1987 through to 2007. Information mostly relates to imidacloprid	

Number	Author	Year	Title	Reference	Meet relevance criteria Y or N	Meet Reliability Criteria Score	Basis for relevance/ reliability decision (title, abstract or full article)	Comments	EC data point
123.	Piperakis, S.M. Kontogianni, K., Karanastasi, G., Lakovidou-Kritsi, Z., Cebulska-Wasilewska, A., Piperakis, M.M.	2009	Investigation of the genotoxic effect of pesticides on greenhouse workers' lymphocytes	Environ Mol Mutagen. (2009) Vol.50(2), pp. 121-6	N	N/A	Full article	Results negative. Exposure to mixtures of pesticides as well as to a combination of other agents such as dust, paints and solvents	
124.	Pitam, S., Mukherjee, I., Kumar, A.	2013	Evaluation of environmental fate of acetamiprid in the laboratory	Environmental Monitoring and Assessment (2013) Vol. 185.3, pp. 2807-2816	N	N/A	Full article	Laboratory data in Indian soil not using standard EU kinetics assessment. Raw data consistent with current regulatory data package	
125.	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) Vol. 40(1), pp. 30-36	Y	2	Full article	Predatory mite percent survival and egg consumption of prey mite eggs See study summary at MCA Section 9.	KCA 8.3.2
126.	Prabhaker, N., Morse, J.G., Castle, S.J., Naranjo, S.E., Henneberry, T.J., Toscano, N.C.	2007	Toxicity of seven foliar insect parasitoids attacking citrus and cotton pests	Journal of Economic Entomology (2007) Vol. 100(4), pp. 1053-1061	N	N/A	Full article	Test species indigenous to North America and not relevant to the EU assessment	

Number	Author	Year	Title	Reference	Meet relevance criteria	Meet Reliability Criteria	Basis for relevance/ reliability decision (title, abstract or full article)	Comments	EC data point
					Y or N	Score			
127.	Raffaele, K.C., Rowland, J., May, B., Makris, S.L., Schumacher, K., Scarano, L.J.	2010	The use of developmental neurotoxicity data in pesticide risk assessments	Neurotoxicol Teratol. (2010) Vol. 32(5), pp. 563-72	N	N/A	Abstract	Retrospective evaluation of a type of study rather than new information. Developmental neurotoxicity study available for acetamiprid	
128.	Ranjan, B., Dumka, V.K., Ola, A.K., Rampal, S.	2013	Effect of oral subacute exposure of acetamiprid on some biochemical parameters in buffalo calves	Proceedings of the National Academy of Sciences India Section B – Biological Sciences (2013) Vol. 83.1, pp. 59-63	N	N/A	Full article	No indication of test material (e.g. technical grade or formulation) used in the study.	
129.	Rezac, M., Pekar, S., Stara, J.	2010	The negative effect of some selective insecticides on the functional response of a potential biological control agent, the spider Philodromus xespitum	Biocontrol (2010) Vol. 55(4), pp. 503-510	N	N/A	Full article	Route of exposure (plugged rolls of filter paper dipped in pesticide solution containing test species) not relevant	
130.	Richter, E.	2006	A method to provide long term effects of neonicotinoids on whitefly parasitoids	Bulletin OILB/SROP (2006) Vol. 29(10), pp. 61-65	N	N/A	Full article	Endpoint examined in the study (successful paratisation of host) is not relevant	

Number	Author	Year	Title	Reference	Meet relevance criteria Y or N	Meet Reliability Criteria Score	Basis for relevance/ reliability decision (title, abstract or full article)	Comments	EC data point
131.	Rill, S.M., Grafton-Cardwell, E.E., Morse, J.G.	2008	Effects of two insect growth regulators and a neonicotinoid on various life stages of Aphytis melinus (Hymenoptera: Aphelinidae)	BioControl (2008) Vol. 53(4), pp. 579-587	N	N/A	Full article	Test species indigenous to USA and not relevant to the EU assessment	
132.	Rizani, H., Rizani, K.L.S.	2012	The induction of micronucleus under the influence of acetamiprid insecticide on the goldfish (Carassius auratus) after the time treatment of 24 and 72 hours	Albanian Journal of Agricultural Sciences (2012) Vol. 11.2, pp. 127-130	N	N/A	Full article	Non-standard study conducted with the formulated product. Fully compliant genotoxicity studies available for acetamiprid	
133.	Romeh, A.A., Hendawi, M.Y.	2013	Effect of processing on acetamiprid residues in eggplant fruits, Solanum melongena L	African Journal of Agricultural Research (2012) Vol. 8.18, pp. 2033-2037	N	N/A	Full article	Decline and processing trials were conducted on aubergine, a crop that is not a representative use Acetamiprid was applied once to open field aubergine at a rate of approximately 48 g/ha. Samples were taken immediately after application and at 1, 3, 5 and 7 days after application. Processing to cooked and grilled aubergine	

Number	Author	Year	Title	Reference	Meet relevance criteria Y or N	Meet Reliability Criteria Score	Basis for relevance/ reliability decision (title, abstract or full article)	Comments	EC data point
134.	Sagar, D.A., Raut, S., Prarabdh, B.C., Chandratre G., Nitin, K.P., Telang, A.G.	2012	Haemato-biochemical and histopathological changes following sub-acute exposure to acetamiprid in male Wistar rats	Indian Journal of Veterinary Pathology (2012) Vol. 36.2, pp. 179-182	N	N/A	Abstract	Unclear if formulated product was used. Fully compliant GLP studies already available for acetamiprid	
135.	Satoh, Y., Kobori, Y., Oida, H., Nomura, M., Tanaka, H., Tezuka, T.	2012	Effect of agrichemicals on the polyphagous predatory bug, Geocoris various (Uhler) (Heteroptera: Geocoridae)	Japanese Journal of Applied Entomology and Zoology (2012) Vol. 56.2, pp. 43-48	N	N/A	Full article	Test species indigenous to Japan and not relevant to the EU assessment	
136.	Scarpellini, J.R., de Andrade, D.J.	2010	Evaluation of the effect of insecticides on lady beetles Hippodamia convergens Guérin-Meneville (Coleoptera: Coccinellidae) in cotton plant	Arquivos do Instituto Biológico (São Paulo) (2010) Vol. 77(2), pp. 323-330	N	N/A	Full article	Test species indigenous to Brazil and not relevant to the EU assessment	
137.	Scarpellini, J.R., de Andrade, D.J.	2011	The effect of insecticides on the lady beetle Cycloneda sanguinea L. (Coleoptera, Coccinellidae) and on the aphid Aphis gossypii Glover (Hemiptera, Aphididae) on cotton plants	Arquivos do Instituto Biológico (São Paulo) (2011) Vol. 78(3), pp. 393-399	N	N/A	Full article	Test species indigenous to Central and North America and not relevant to the EU assessment	

Number	Author	Year	Title	Reference	Meet relevance criteria Y or N	Meet Reliability Criteria Score	Basis for relevance/ reliability decision (title, abstract or full article)	Comments	EC data point
138.	Shankarganesh, K., Paul, B., 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) Vol. 36.6, pp. 581-585	N	N/A	Full article	Test species indigenous to India and Peru and not relevant to the EU assessment	
139.	Shi, G.	2012	Residue and dynamic degradation studies of acetamiprid 50% WG in orange and soil	Xiandai Nongyao (2012) Vol. 11(1), pp. 46-49, 53	N	N/A	Abstract	Field data from China not relevant to EU	
140.	Siddiqui, M.S., Wanule, D.D.	2010	Acetamiprid induced changes in total leucocytes and erythrocytes count in a freshwater fish, Channa punctatus (Bloch)	Bioscan (2010) Vol. 5(1), pp. 163-164	N	N/A	Full article	Endpoints measured (leucocyte and erythrocyte counts in blood of exposed fish) are not relevant	
141.	Singh, S.B., Kulshrestha, G.	2005	Residues of thiamethoxam and acetamiprid, two neonicotinoid insecticides, in/on okra fruits (Abelmoschus esculentus L.)	Bulletin of Environmental Contamination and Toxicology (2005) Vol. 75(5), pp. 945-951	N	N/A	Abstract	Acetamiprid was not applied to a representative use. The trials were not performed in the EU	
142.	Singh, D.K., Kumar, S.	2008	Nitrate reducatase, arginine deaminase, urease and dehydrogenase activities in natural soil (ridges with forest) and in cotton soil after acetamiprid treatments	Chemosphere (2008) Vol. 71(3), pp. 412-418	N	N/A	Abstract	Location of field study (India) not relevant to the EU assessment	

Number	Author	Year	Title	Reference	Meet relevance criteria Y or N	Meet Reliability Criteria Score	Basis for relevance/ reliability decision (title, abstract or full article)	Comments	EC data point
143.	Singh, G., Vasudeva, M.	2007	Screening of insecticides for induction of aneuploidy in Saccharomyces cervisiae	Environment and Ecology (2007) Vol. 25.Special 3A pp. 945-948	N	N/A	Abstract	Study performed with the formulated product. Genotoxicity data for acetamiprid already available	
144.	Singh, T.B., Mukhopadhayay, S.K., Sar, T.K., Ganguly, S.	2012	Induced acetamiprid toxicity in mice: a review	Journal of Drug Metabolism & Toxicology (2012) Vol. 3, No. 6, pp. 1000e115/1-1000e115/2	N	N/A	Abstract	Review of available data; no new information	
145.	Song, H.	2011	Toxic action of acetamiprid, glyphosate and their combined pollution on Hydra magnipapillata	Anhui Nongye Kexue, (2010) Vol. 38, No. 20, pp. 10811-10813, 10824	N	N/A	Abstract	Language is non-EU and so considered to be not relevant	
146.	Stara, J., Ourednickova, J., Kocourek, F.	2011	Laboratory evaluation of the side effects of insecticides on Aphidius colemani (Hymenoptera: Aphidiidae), Aphidoletes aphidimyza (Diptera: Cecidomyiidae), and Neoseiulus cucumeris (Acari: Phytoseidae)	Journal of Pest Science (2011) Vol. 84(1), pp. 25-31	Y	1	Full article	Study followed a standardised protocol with no methodological and/or reporting deficiencies. See study summary at MCA Section 9.	KCA 8.3.2

Number	Author	Year	Title	Reference	Meet relevance criteria	Meet Reliability Criteria	Basis for relevance/ reliability decision (title, abstract or full article)	Comments	EC data point
					Y or N	Score			
147.	Stehle, S., Knäbel, A., Schulz, R.	2013	Probabilistic risk assessment of insecticide concentrations in agricultural surface waters: A critical appraisal	Environmental Monitoring and Assessment (2013) Vol. 185.8, pp. 6295-6310	N	N/A	Abstract	Theoretical risk assessment methodology	
148.	Sterk, G.	2004	New pesticides, toxicity trials on bumblebees in greenhouse environment Lycopersicon esculentum Mill	Colture Protette (Italy) (2004) Vol. 33(1), pp. 75-77	N	N/A	Full article	Acceptable well-documented study which meets basic scientific principles	

Number	Author	Year	Title	Reference	Meet relevance criteria Y or N	Meet Reliability Criteria Score	Basis for relevance/ reliability decision (title, abstract or full article)	Comments	EC data point
149.	Sterk, G., Benuzzi, M.	2004	Plant protection product news, proof of toxicity in greenhouse bumblebees	Protected Cultivation Vol. 1, pp. 75-77	Y	2		The study was performed to investigate the effects of insecticides on bumblebees via contact toxicity tests, larvae feeding tests and adult feeding toxicity tests. Microbiology-based insecticides were completely harmless to bumblebees even when placed directly in contact with each individual. Acetamiprid was much less toxic that other neonicotinoid insecticides. Due to key deficiencies, this article should be considered with 'limited reliability' See study summary at MCA Section 9.	KCA 8.3.2
150.	Su, F., Zhang, S., Yang, M., Li, H.	2006	In vitro acute cytotoxicity of the neonicotinoid insecticide acetamiprid to FG cells, the gill cell line of flounder Paralichthy olivaceus	Acta Oceanologica Sinica (2006) Vol. 25(5), pp. 135-140	N	N/A	Abstract	Study on material of vegetal origin	

Number	Author	Year	Title	Reference	Meet relevance criteria	Meet Reliability Criteria	Basis for relevance/ reliability decision (title, abstract or full article)	Comments	EC data point
					Y or N	Score			
151.	Sugiyama, K., Katayama, H., Saito, T.	2011	Effect of insecticides on the mortalities of three whitefly parasitoid species, Eretmocerus mundus, Eretmocerus eremicus and Encarsia formosa (Hymenoptera: Aphelinidae)	Applied Entomology and Zoology (2011) Vol. 46(3), pp. 311-317	Y	2	Full article	Not a standard test species but species is native to the EU. No standard protocol cited but detailed methods are provided. See study summary at MCA Section 9.	KCA 8.3.2
152.	Sun, D-W., Su, J-Y., Shen, J-L., Xu, J-T.	2008	Safety evaluation of insecticides to Cyrtorhinus lividipennis (Reuter) (Hemiptera: Miridae), a predator of Nilaparvata lugens (Stal) (Homoptera: Delphacidae)	Zhongguo Nongye Kexue (2008) Vol.41(7), pp. 1995-2002	N	N/A	Abstract	Language is non-EU and so considered to be not relevant	
153.	Tan, J., Galligan, J.J., Hollingworth, R.M.	2007	Agonist actions of neonicotinoids on nicotinic acetylcholine receptors expressed by cockroach neurons	Neurotoxicology (2007) Vol. 28(4), pp. 829-42	N	N/A	Abstract	Not a mammalian study	
154.	Tang, H., Li, J., Hu, H., Xu, P.	2012a	A newly isolated strain of Stenotrophomonas sp hydrolyzes acetamiprid, a synthetic insecticide	Process Biochemistry (2012) Vol. 47.12, pp. 1820-1825	N	N/A	Abstract	No impact on regulatory endpoints	
155.	Teshiba, M., Tsutsumi, T.	2006	Effects of pesticides on Allotropa subclavata, an indigenous parasitoid of Planococcus kraunhiae	Bulletin of the Fukuoka Agricultural Research Centre (Japan) Vol. 25, pp. 59-63	N	N/A	Abstract	Test species indigenous to Japan and not relevant to the EU assessment	

Number	Author	Year	Title	Reference	Meet relevance criteria	Meet Reliability Criteria	Basis for relevance/ reliability decision (title, abstract or full article)	Comments	EC data point
					Y or N	Score			
156.	Tillman, P.G., Mullinix, B.G. Jr.	2004	Comparison of susceptibility of pest Euschistus servus and predator Podisus maculiventris (Heteroptera: Pentatomidae) to selected insecticides	J Econ Entomol. (2004) Vol. 97(3), pp. s800-6.	N	N/A	Full article	Test species indigenous to North America and not relevant to the EU assessment	
157.	Tomizawa, M., Casida, J.E.	2005	Neonicotinoid insecticide toxicology: Mechanisms of selective action	Annu Rev Pharmacol Toxicol. (2005) Vol. 45, pp. 247-68	N	N/A	Full article	Overview of neonicotinoid characteristics. No new information	
158.	Vale, J.A.	2008	Poisoning due to neonicotinoid insecticides	Clinical Toxicology (2008) Vol.46(5), pp. 404	N	N/A	Abstract	Article is only available as an abstract. General information on the poisoning of neonicotinoids without specific information on acetamiprid	
159.	Vinothkumar, B., Kumaran, N., Boomathi, N., Saravanan, P.A., Kuttalan, S.	2010	Toxicity of spirotetramat 150 OD to honeybees	Madras Agricultural Journal (2010) Vol. 97(1/3), pp. 86-87	Y	2	Full article	Several bee species tested via dry residue methods See study summary at MCA Section 9.	KCA 8.3.1
160.	Wang, Y-H., Chen, L-P., Zhao, X-P., Wu, C-X., Cang, T., Yu, R-X., Wu, S-G., Wang, Q.	2010a	Acute Toxicity of Neonicotinoids and Avermectins to Earthworm, Eisenia foetida	Journal of Agro-Environment Science (2012) Vol. 29(12), pp. 2299-2304	N	N/A	Abstract	Language is non-EU and so considered to be not relevant	

Number	Author	Year	Title	Reference	Meet relevance criteria Y or N	Meet Reliability Criteria Score	Basis for relevance/ reliability decision (title, abstract or full article)	Comments	EC data point
161.	Wang, Y-H., Yu, R-X., Zhao, X-P., An, X-H., Chen, L-P., Wu, C-X., Qiang, W.	2012a	Acute toxicity and safety evaluation of neonicotinoids and macrocyclic lactiones to adult wasps of four Trichogramma species (Hymenoptera: Trichogrammidae)	Acta Entomologica Sinica (2012) Vol. 55.1, pp. 36-45	N	N/A	Full article	Language is non-EU and so considered to be not relevant	
162.	Wang, Y., Cang, T., Zhao, X., Yu, R., Chen, L., Wu, C., Wang, Q.	2012b	Comparative acute toxicity of twenty-four insecticides to earthworm, Eisenia fetida	Ecotoxicology and Environmental Safety (2012) Vol. 79, pp. 122-128	Y	1	Full article	OECD standardised earthworm study See study summary at MCA Section 9.	KCA 8.4
163.	Wang, Y., Chen, L., Yu, R., Zhao, X., Wu, C., Cang, T., Wang, Q.	2012c	Insecticide toxic effects on Trichogramma ostriniae (Hymenoptera: Trichogrammatidae)	Pest Manag Sci. (2012) Vol. 68(12), pp. 1564-71	Y	2	Full article	EU relevant species tested via dry film residue method See study summary at MCA Section 9.	KCA 8.3.2
164.	Wang, Y., Yu, R., Zhao, X., Chen, L., Wu, C., Cang, T., Wang, Q.	2012d	Susceptibility of adult Trichogramma nubilale (Hymenoptera: Trichogrammatidae) to selected insecticides with different modes of action	Crop Protection, (2012) Vol. 34, pp. 76-82	N	N/A	Full article	Test species indigenous to Asia and not relevant to the EU assessment	
165.	Wang, G., Yue, W., Li, F., Xiong, M., Zhang, H., Liu, Y.	2013a	Biodegradation of the neonicotinoid insecticide acetamiprid by bacterium Pigmentiphaga sp. strain AAP-1 isolated from soil	Bioresource Technology (2013) Vol. 138, pp. 359-368	N	N/A	Abstract	No impact on regulatory endpoints	

Number	Author	Year	Title	Reference	Meet relevance criteria	Meet Reliability Criteria	Basis for relevance/ reliability decision (title, abstract or full article)	Comments	EC data point
					Y or N	Score			
166.	Wang, Y., Chen, L., An, X., Jiang, J., Wang, Q., Cai, L., Zhao, X.	2013b	Susceptibility to selected insecticides and risk assessment in the insect egg parasitoid Trichogramma confusum (Hymenoptera: Trichogrammatidae)	J Econ Entomol. (2013) Vol. 106(1), pp. 142-9	Y	2	Full article	EU relevant species tested via dry film residue method See study summary at MCA Section 9.	KCA 8.3.2
167.	Wu, J., Li, J., Peng, W., Hu, F.	2010a	Sensitivities of three bumblebee species to four pesticides applied commonly in greenhouses in China	Insect Science (2010) Vol. 17(1), pp. 67-72	Y	2	Full article	Contact and oral tox study on EU relevant bee species See study summary at MCA Section 9.	KCA 8.3.1
168.	Wu, S.G., Chen, L.P., Wu, C.X., Cang, T., Yu, R.X., Zhao, X.P.	2011a	Acute toxicity and safety of four insecticides to aquatic organisms	Acta Agriculturae Zhejiangensis (2011) Vol. 23(1), pp. 101-106	N	N/A	Abstract	Language is non-EU and so considered to be not relevant	
169.	Wu, J., Wang, K., Zhang, H.	2012a	Dissipation and residue of acetamiprid in watermelon and soil in the open field	Bulletin of Environmental Contamination and Toxicology (2012) Vol. 89(3), pp. 644-648	N	N/A	Full article	Field data from China not relevant to the EU	
170.	Xie, G-H., Liu, G-G., Sun, D-Z., Zheng, L-Q.	2008	Effects of dissolved compounds on photolysis of Acetamiprid	Huanjing Huaxue (2008) Vol. 27(1), pp. 29-32	N	N/A	Abstract	No impact on regulatory endpoints	
171.	Xie, R-T., Huang, K., Qin, Z-B., Zhao, X., Lin, G., Xie, F.	2010	The acute toxicity of five pesticides to Yellow Catfish Pelteobagrus vachelli	Fisheries Science/Shuichan Kexue (2010) Vol. 29(5), pp. 274-277	N	N/A	Abstract	Language is non-EU and so considered to be not relevant	

Number	Author	Year	Title	Reference	Meet relevance criteria	Meet Reliability Criteria	Basis for relevance/ reliability decision (title, abstract or full article)	Comments	EC data point
					Y or N	Score			
172.	Xie, L., Sun, Y., Qin, X., Wang, Q., Sun, Y., Xu, Y.	2013	Residue and degradation of acetamiprid and fenobucarb in rice, soil and field water	Environmental Chemistry (2013) Vol. 32(2), pp. 281-288	N	N/A	Abstract	Field data from China not relevant to the EU	
173.	Yang, A., Park, J-H., Abd El-Aty, A.M., Choi, J-H., Oh, J-H., Do, J-A., Kwon, K., Shim, K-H., Choi, O-J., Shim, J-H.	2012a	Synergistic effect of washing and cooking on the removal of multi-classes of pesticides from various food samples	Food Control (2012) Vol. 28.1, pp. 99-105	N	N/A	Abstract	Processing study. Does not contain crops from the representative uses	
174.	Yang, H., Wang, X., Zheng, J., Wang, G., Hong, Q., Li, S., Li, R., Jiang, J.	2013a	Biodegradation of acetamiprid by Pigmentiphaga sp D-2 and the degradation pathway	International Biodeterioration & Biodegradation 85.Sp. Iss. SI (Nov 2013): 95-102	N	N/A	Abstract	No impact on regulatory endpoints	
175.	Yao, X.H., Min, H., Yuan, H.P.	2005	Effects of acetamiprid on enzymatic activities and respiration of upland soil	Acta Pedologica Sinica (2005) Vol. 42(6), pp. 1012-1016	N	N/A	Abstract	Language is non-EU and so considered to be not relevant	
176.	Yao, X-H., Min, H., Lu, Z-H., Yuan, H-P.	2006a	Influence of acetamiprid on soil enzymatic activities and respiration	European Journal of Soil Biology (2006) Vol. 42(2), pp. 120-126	N	N/A	Full article	Field study in China and so not relevant to EU conditions	
177.	Yao, X-H., Min, H., Lv, Z-M.	2006b	Response of superoxide dismutase, catalase, and ATPase activity in bacteria exposed to acetamiprid	Biomedical and Environmental Sciences (2006) Vol. 19(4), pp. 309-314	N	N/A	Full article	Effects of acetamiprid on bacteria	

Number	Author	Year	Title	Reference	Meet relevance criteria	Meet Reliability Criteria	Basis for relevance/ reliability decision (title, abstract or full article)	Comments	EC data point
					Y or N	Score			
178.	Yi-Wang, Zhang, J-J., Xiang, H-Y., Jia-Hua, Zhang, Wang, X-Z.	2012	Acetamiprid Residues in Male Mice and its Effect on Liver Function	Journal of Animal and Veterinary Advances (2012) Vol. 11(15), pp. 2706-2710	N	N/A	Abstract	Fully compliant studies available for acetamiprid; no new information	
179.	Yoshioka, T., Takeda, M.	2006	Effects of pesticides on Thomsonisca typica MERCET and Arrhenophagus chionaspidis GIRAULT, parasitoids of Pseudaulacaspis pentagona (Targioni)	Bulletin of the Fukuoka Agricultural Research Center (Japan) (2006) Vol. 25, pp. 145-149	N	N/A	Abstract	Rout of exposure (dipping method using tea branches) in lab study not relevant to the EU assessment	
180.	Yu, Q., Qin, S., Wang, X., Qiao, X-W.	2006	Dissipation of acetamiprid and imidacloprid under different temperature, light and biological factors on phyllosphere of Brassica chinensis	Nongyaoxue Xuebao (2006) Vol. 8(2), pp. 147-151	N	N/A	Abstract	Language is non-EU and so considered to be not relevant	
181.	Yu, W-L., Pei, H., Yi, Z-H., Bai, J-J., Yu, K.	2013a	Indoor toxicity determination of neonicotinoid insecticides to Apis mellifera	Shijie Nongyao (2013) Vol. 35(2), pp. 28-31	N	N/A	Abstract	Language is non-EU and so considered to be not relevant	
182.	Žabar, R., Dolenc, D., Jerman, T., Franko, M., Trebše, P.	2011a	Photolytic and photocatalytic degradation of 6-chloronicotinic acid	Chemosphere (2011) Vol. 85(5), pp. 861-868	N	N/A	Abstract	No impact on regulatory endpoints	

Number	Author	Year	Title	Reference	Meet relevance criteria Y or N	Meet Reliability Criteria Score	Basis for relevance/ reliability decision (title, abstract or full article)	Comments	EC data point
183.	Žabar, R., Sarakha, M., Chung, P., Wong, W., Trebse, P.	2011b	Stability of pesticides' residues under ultraviolet germicidal irradiation	Acta Chimica Slovenica (2011) Vol. 58(2), pp. 326-332	N	N/A	Abstract	No impact on regulatory endpoints	
184.	Zhang, J., Wang, Y., Xiang, H., Wang, X., Zhang, J.	2011a	Acetamiprid impairs the ultrastructure of testis via inducing oxidative stress in mice	Xumu Shouyi Xuebao (2011) Vol. 42(10), pp. 1457-1462	N	N/A	Full article	Paper is in Chinese and it is not possible to determine the materials and methods used. The same results appear to have been reported in Zhang et al (2011b)	
185.	Zhang, J., Wang, Y., Xiang, H., Li, M., Li, W., Ma, K., Wang, X., Zhang, J.	2011b	Oxidative stress: Role in acetamiprid-induced impairment of the male mice reproductive system	Agricultural Sciences in China (2011) Vol. 10(5), pp. 786-796	Y	2	Full article	The paper includes a complete description of materials and methods. Acetamiprid caused severe adverse effects on reproductive organs/parameters of male mice, ameliorated by the concomitant administration of Vitamin E. Data appears inconsistent with results of available fully compliant GLP studies See study summary at MCA Section 9.	KCA 5.6

Number	Author	Year	Title	Reference	Meet relevance criteria Y or N	Meet Reliability Criteria Score	Basis for relevance/ reliability decision (title, abstract or full article)	Comments	EC data point
186.	Zhang, J.-J., Wang, Y., Xiang, H-Y., Jia-Hua, Zhang, Wang, X-Z.	2012a	Nephrotoxicity of acetamiprid on male mice and the rescue role of Vitamin E	Journal of Animal and Veterinary Advances (2012) Vol. 11.15, pp. 2721-2726	Y	2	Full article	The paper includes a complete description of materials and methods. Short-term administration of acetamiprid at 30 mg/kg/day caused adverse effects on kidneys, ameliorated by the concomitant administration of Vitamin E. Data appears inconsistent with results of available fully compliant GLP studies See study summary at MCA Section 9.	KCA 5.3
187.	Zhao, Y., Wang, D., Lai, Y., Liu, X.	2008a	Toxicity of some pesticides to Brachydanio rerio and safety valuation	Nongyao Kexue Yu Guanli (2008) Vol. 29(8), pp. 25-29	N	N/A	Abstract	Language is non-EU and so considered to be not relevant	
188.	Zhao, X., Wu, C., Wang, Y., Cang, T., Chen, L., Yu, R., Wang, Q.	2012a	Assessment of toxicity risk of insecticides used in rice ecosystem on Trichogramma japonicum, an egg parasitoid of rice Lepidopterans	Journal of Economic Entomology (2012) Vol. 105.1, pp. s92-101	N	N/A	Full article	Test species indigenous to Asia and not relevant to the EU assessment	

Number	Author	Year	Title	Reference	Meet relevance criteria Y or N	Meet Reliability Criteria Score	Basis for relevance/ reliability decision (title, abstract or full article)	Comments	EC data point
189.	Zhu, J.S., Lian, M.L., Wang, J., Qin, S.	2009a	Toxicity and safety evaluation of five insecticides on egg parasitoid, Trichogramma evansecens Westwood.	Zhongguo Shengtai Nongye Xuebao / Chinese Journal of Eco-Agriculture (2009) Vol. 17(4), pp. 715-720	N	N/A	Abstract	Language is non-EU and so considered to be not relevant	

Appendix 5: All other studies considered to be non-relevant after initial review; ordered by author(s)

Number	Author	Year	Title	Reference	Meet relevance criteria	Meet Reliability Criteria		Comments
					Y or N	Y, N or N/A	Result of reliability assessment/ Justification if not reliable	
1.	Abad, M.K.R., Amiri-Besheli, B.	2013	Comparison of the toxicity of three botanical insecticides and two chemical insecticides in Agonoscena pistaciae Burckhardt and Lauterer (Hemiptera: Psyllidae) in laboratory and field conditions	International Journal of Agriculture and Crop Sciences (2013) Vol. 5(10), pp. 1074-1079	N	N/A	N/A	Efficacy/ insecticide toxicity study
2.	Abanowska, B.H.	2004a	Protection of strawberry from pests in integrated fruit production	Ochrona Roślin (2004) Vol. 49(5), pp. 22-25	N	N/A	N/A	Efficacy study
3.	Abanowska, B.H.	2004b	Pest control in blackcurrant IFP in Poland using the new neonicotinoid-thiacloprid as Calypso 480 SC	Bulletin OILB/SROP (2004) Vol. 27(4), pp. 101-106	N	N/A	N/A	Efficacy study
4.	Abanowska, B.H.	2007a	Control of strawberry root weevils in strawberry plantations	Progress in Plant Protection (2007) Vol. 47(1), pp. 284-288	N	N/A	N/A	Efficacy study
5.	Abanowska, G.	2007b	Poinsettia thrips (Echinothrips americanus Morgan) - occurrence in Poland and possibilities of control.	Progress in Plant Protection (2007) Vol. 47(1), pp. 289-302	N	N/A	N/A	Efficacy study
6.	Abanowska, B.H.	2008	Efficacy of neonicotinoid group insecticides in controlling aphids (Aphididae) and gall midges (Cecidomyiidae) on black currant and raspberry	Zeszyty Naukowe Instytutu Sadownictwa i Kwiaciarstwa w Skierniewicach (2008) Vol. 16, pp. 179-189	N	N/A	N/A	Efficacy study

Number	Author	Year	Title	Reference	Meet relevance criteria	Meet Reliability Criteria		Comments
					Y or N	Y, N or N/A	Result of reliability assessment/ Justification if not reliable	
7.	Abanowska, B.H.	2009	The efficacy of some neonicotinoid and other new insecticides in the control of strawberry root weevils (Cucurlionidae) on strawberry plantations in Poland	Journal of Fruit and Ornamental Plant Research (2009) Vol. 17(2), pp. 211-218	N	N/A	N/A	Efficacy study
8.	Abanowska, B., Cross, J.	2008	Raspberry cane midge – flight dynamics, egg laying and the efficacy of the neonicotinoid insecticide acetamiprid on primocane fruiting raspberry	IOBC/WPRS Bulletin (2008) Vol. 39, pp. 19-25	N	N/A	N/A	Efficacy study
9.	Abanowska, B.H., Partyka, Z.	2004	Monitoring and control of currant clearwing moth (Synanthedon tipuliformis Cl.) on black currant	Progress in Plant Protection (2004) Vol. 44(2), pp. 929-932	N	N/A	N/A	Agronomy/ efficacy study
10.	Abanowska, B.H., Olszak, R., Tkaczuk, C., Augustyniuk-Kram, A.	2004	Efficacy of chemical and biological control of the strawberry root weevil (Otiorhynchus ovatus L.) and the vine weevil (Otiorhynchus sulcatus F.) in strawberry plantations in Poland	Bulletin OILB/SROP (2004) Vol. 27(4), pp. 153-159	N	N/A	N/A	Efficacy study
11.	Abbad, M.K.R., Besheli, B.A.	2013	Bioassay of the botanical insecticide, Tondexir, on two natural enemies of the common pistachio psyllid	International Journal of Agronomy and Plant Production (2013) Vol. 4.6, pp. 1191-1196	N	N/A	N/A	Efficacy study
12.	Abbas, N., Shad, S.A., Razaq, M.	2012a	Fitness cost, cross resistance and realized heritability of resistance to imidacloprid in Spodoptera litura (Lepidoptera: Noctuidae)	Pesticide Biochemistry and Physiology (2012) Vol. 103.3, pp. 181-188	N	N/A	N/A	Insecticide resistance study

Number	Author	Year	Title	Reference	Meet relevance criteria	Meet Reliability Criteria		Comments
					Y or N	Y, N or N/A	Result of reliability assessment/ Justification if not reliable	
13.	Abbas, Q., Arif, M.J., Gogi, M.D., Abbas, S.K., Karrar, H.	2012b	Performance of imidacloprid, thiomethoxam, acetamiprid and a biocontrol agent (Chrysoperia carnea) against whitefly, Jassid and thrips on different cotton cultivars	World Journal of Zoology (2012) Vol. 7(2), pp. 141-146	N	N/A	N/A	Efficacy study
14.	Abbaszadeh, G., Ameri, A., Torabizadeh, M.	2011	Evaluation of different groups of insecticides on Asian Citrus Psylla, Diaphorina citri K., (Homptera: Psyllidae)	Pesticide Research Journal (2011) Vol. 23(1), pp. 52-54	N	N/A	N/A	Efficacy study
15.	Abbes, K., Harbi, A., Chermiti, B.	2012	Comparative study of 2 protection strategies against Tuta absoluta (Meyrick) in late open field tomato crops in Tunisia	Bulletin OEPP/EPPO (2012) Vol. 42(2), pp. 297-304	N	N/A	N/A	Efficacy study
16.	Abd-Ella, A.A.	2014	Toxicity and persistence of selected neonicotinoid insecticides on cowpea aphid, Aphis craccivora Koch (Homoptera: Aphididae)	Archives of Phytopathology and Plant Protection (2014) Vol. 47(3), pp. 366-376	N	N/A	N/A	Efficacy study
17.	Abdullah, K., Latif, A., Khan, S.M., Khan, M.A.	2007	Field test of the bait spray on periphery of host plants for the control of the fruit fly, Myiopardalis pardalina Bigot (Tephritidae: Diptera).	Pakistan Entomologist (2007) Vol. 29(20, pp. 91-94	N	N/A	N/A	Efficacy study
18.	Abou-Yousef, H.M., Farghaly, S.F., Singab, M., Ghoneim, Y.F.	2010	Resistance to lambda-cyhalothrin in laboratory strain of whitefly Bemisia tabaci (Genn.) and cross-resistance to several insecticides	American-Eurasian Journal of Agricultural and Environmental Science (2010) Vol. 7(6), pp. 693-696	N	N/A	N/A	Insecticide resistance study

Number	Author	Year	Title	Reference	Meet relevance criteria	Meet Reliability Criteria		Comments
					Y or N	Y, N or N/A	Result of reliability assessment/ Justification if not reliable	
19.	Aboubakary, R., Mathieu, B.	2008	Chemical and botanical protection of transplanted sorghum from stem borer (Sesamia cretica) damage in northern Cameroon	Journal of SAT Agricultural Research (2008) Vol. 6, pp. 1-5	N	N/A	N/A	Efficacy study
20.	Adachi-Hagimori, T., Shibao, M., Tanaka, H., Seko, T., Miura, K.	2013	The effect of pesticide application on a flightless strain of Harmonia axyridis (Pallas) (Coleoptera: Coccinellidae)	Japanese Journal of Applied Entomology and Zoology (2013) Vol. 57.3, pp. 189-191	N	N/A	N/A	Paper is in Japanese and so no consideration of relevance is required
21.	Afify, Abd El-Moneim M. R.; Attallah, E.R., El-Gammal, H. A.	2012	A modified multi-residue method for analysis of 150 pesticide residues in green beans using liquid chromatography-tandem mass spectrometry	AFS, Advances in Food Sciences (2012) Vol. 34, No. 1, pp. 24-35.	N	N/A	N/A	Analytical detection of residues in foodstuffs
22.	Agale, D.A., Bhosle, B.B., Kadam, D.R.	2009	Impact of different insecticides on population of natural enemies in Bt cotton and yield	Journal of Plant Protection and Environment (2009) Vol. 692), pp. 105-107	N	N/A	N/A	No abstract available to determine relevance
23.	Agale, D.A., Yadav, G.A., Bhosle, B.B., Bhede, B.V.	2010	Bioefficacy and economics of insecticides against thrips (Scritothrips dorsalis Hood) on Bt cotton	Indian Journal of Entomology (2010) Vol. 72(1), pp. 29-32	N	N/A	N/A	Efficacy study
24.	Aggarwal, N., Jindal, V., Singh, V.	2010	Comparative efficacy of insecticides against sucking pests complex in transgenic cotton	Pestology (2010) Vol. 34(8), pp. 46-49	N	N/A	N/A	Efficacy study
25.	Aggrawal, M., Sun, H., Wang, K.	2013	Multi-residue analysis of pesticides in zucchini using EVOQ triple quadrupole LC-MS system	LCGC North America (2013) No. Suppl., pp. 56-59	N	N/A	N/A	Analytical detection of residues in foodstuffs

Number	Author	Year	Title	Reference	Meet relevance criteria	Meet Reliability Criteria		Comments
					Y or N	Y, N or N/A	Result of reliability assessment/ Justification if not reliable	
26.	Aghav, S.T., Baheti, H.S., Tambe, A.B.	2007	Evaluation of new insecticides against sorghum shoot fly, Atherigona soccata Rondani	Asian Journal of Bio Science (2007) Vol. 2(1/2), pp. 119-121	N	N/A	N/A	Efficacy study
27.	Aguilar-Medel, S., Rodríguez-Maciel, J.C., Santillán-Ortega, C., Lagunes-Tejeda, Á., Díaz-Gómez, O., Martínez-Carrillo, J.L.	2007	Susceptibility to insecticides in two populations of Bemisia tabaci (Gennadius) (Hemiptera: Aleyrodidae) biotype B collected in Baja California and Sinaloa, Mexico	Intercienica (2007) Vol. 32(4), pp. 266-269	N	N/A	N/A	Efficacy study
28.	Aguilera-Luiz, M.M., Plaza-Bolanos, P., Romero-Gonzalez, R., Martinez Vidal, J.L., Frenich, A.G.	2011	Comparison of the efficiency of different extraction methods for the simultaneous determination of mycotoxins and pesticides in milk samples by ultraHPLCaphy-tandem mass spectrometry	Analytical and Bioanalytical Chemistry (2011) Vol. 399(8), pp. 2863-2875	N	N/A	N/A	Analytical method for the detection of residues in foodstuffs
29.	Ahmad, M., Akhtar, S.	2013	Development of insecticide resistance in field populations of Brevicoryne brassicae (Hemiptera: Aphididae) in Pakistan	Journal of Economic Entomology (2013) Vol. 106.2, pp. 954-958	N	N/A	N/A	Insecticide resistance study
30.	Ahmad, S., Khan, I.A., Hussain, Z., Shah, S.I.A., Maaz, A.	2007a	Comparative study of a biopesticide with some synthetic pesticides used against mustard aphids (Lipephis erysimi Kalt)	Sarhad Journal of Agriculture (2007) Vol. 23(3), pp. 729-732	N	N/A	N/A	Efficacy study
31.	Ahmad, S., Khan, I.A., Hussain, Z., Shah, S.I.A., Maaz, A.	2007b	Comparison of a biopesticide with some synthetic pesticides against aphids in rapeseed crop	Sarhad Journal of Agriculture (2007) Vol. 23(4), pp. 1117-1120	N	N/A	N/A	Efficacy study

Number	Author	Year	Title	Reference	Meet relevance criteria	Meet Reliability Criteria		Comments
					Y or N	Y, N or N/A	Result of reliability assessment/ Justification if not reliable	
32.	Ahmad, S., Khan, I.A., Hussain, Z., Shah, S.I.A., Maaz, A.	2007c	Study of a biopesticide in comparison with some synthetic pesticides used against thrips in garlic crop	Sarhad Journal of Agriculture (2007) Vol. 23(3), pp. 719-722	N	N/A	N/A	Efficacy study
33.	Ahouangninou, C., Martin, T., Edorh, P., Bio-Bangana, S., Samuel, O., St-Laurent, L., Dion, S., Fayomi, B.	2012	Characterization of health and environmental risks of pesticide use in market-gardening in the rural city of Tori-Bossito in Benin, West Africa	Journal of Environmental Protection (2012) Vol. 3(3), pp. 241-248	N	N/A	N/A	Health and environmental risks from pesticide use in Benin
34.	Akamatsu, M.	2011	Importance of physicochemical properties for the design of new pesticides	Agric Food Chem. (2011) Vol. 59(7), pp. 2909-17.	N	N/A	N/A	Use of physico-chemical parameters in the design of pesticides
35.	Akashe, V.B., Gud, M.A., Shinde, S.K., Deshpande, A.N.	2009	Influence of weather parameters on safflower aphid, Uroleucon compositae (Theobald) and its management	International Journal of Agricultural Sciences (2009) Vol. 5(2), pp. 435-458	N	N/A	N/A	Agronomy study
36.	Akashe, V.B., Gud, M.A., Shinde, S.K., Kadam, J.R.	2010	Population dynamics of safflower aphid, Uroleucon compositae (Theobald) as influenced by weather parameters	Journal of Agrometerology (2010) Vol. 12(1), pp. 102-104	N	N/A	N/A	Population dynamics of safflower aphid
37.	Akbar, S., Freed, S., Hameed, A., Akmal, M., Malik, M.N., Naeem, M., Khan, M.B.	2012	Compatibility of Metarhizium anisopliae with different insecticides and fungicides	African Journal of Microbiology Research (2012) Vol. 6.17, pp. 3956-3962	N	N/A	N/A	Effects of insecticides on fungal growth

Number	Author	Year	Title	Reference	Meet relevance criteria	Meet Reliability Criteria		Comments
					Y or N	Y, N or N/A	Result of reliability assessment/ Justification if not reliable	
38.	Akiyama, Y., Yoshioka, N., Ichihashi, K.	2005	Study of pesticide residues in agricultural products towards the "positive list" system	Shokuhin Eiseigaku Zasshi. (2005) Vol. 46(6), pp. 305-18	N	N/A	N/A	Analytical detection of residues in foodstuffs
39.	Akiyama, Y., Matsuoka, T., Yoshioka, N., Akamatsu, S., Mitsuhashi, T.	2011	Pesticide residues in domestic agricultural products monitored in Hyogo Prefecture, Japan, FY 1995-2009	Journal of Pesticide Science (2011) Vol. 36(1), pp. 66-72	N	N/A	N/A	Analytical detection of residues in foodstuffs
40.	Ako, M., Borgemeister, C., Poehling, H.M., Elbert, A., Nauen, R.	2004	Effects of neonicotinoid insecticides on the bionomics of twospotted spider mite (Acari: Tetranychidae)	Journal of Economic Entomology (2004) Vol. 97(5), pp. 1587-1594	N	N/A	N/A	Efficacy study
41.	Al-Abbar, F., Hajjar, M.J., Jamal, M., Al-Matni, W.	2010	The economic feasibility of controlling codling moth Cydia pomonella L. by using insecticides in Ain Al-Arab, Al-Swaeda, Syria	Arab Journal of Plant Protection (2010) Vol. 28(2), pp. 143-148	N	N/A	N/A	Efficacy study
42.	Al-Abbar, F., Hajjar, M.J., Jamal, M.	2012	Effect of some insecticides used in Syria on codling moth eggs-larvae parasitoid Ascogaster quadridentata Wesmael	Arab Journal of Plant Protection (2012) Vol. 30(1), pp. 39-46	N	N/A	N/A	Efficacy study
43.	Al-Kherb, W.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) Vol. 8(5), pp. 429-439	N	N/A	N/A	Efficacy study

Number	Author	Year	Title	Reference	Meet relevance criteria	Meet Reliability Criteria		Comments
					Y or N	Y, N or N/A	Result of reliability assessment/ Justification if not reliable	
44.	Al-Taher, F., Juskelis, R., Chen, Y., Cappozzo, J., Wylie, P.L., Zweigenbaum, J.	2012	Pesticide analysis in juice: why one technique doesn't suit al	Agro Food Industry Hi-Tech (2012) Vol. 23, No. 6, pp. 11-14	N	N/A	N/A	Analytical method for the detection of residues in foodstuffs
45.	Alam, M.N., Alam, M.A., Abdullah, M., Begum, M., Ahmed, T.	2012	Effects of insecticides on sugarcane termites in Modhupur tract	Bangladesh Journal of Agricultural Research (2012) Vol. 37.2, pp. 295-299	N	N/A	N/A	Efficacy study
46.	Albernaz, K.C., Carvalho, G.A., Carvalho, B.F., de Souza, J.R.	2009	Toxicity of pesticides to adults of Orius insidiosus (Say, 1832) (Hemiptera: Anthocoridae)	Arqivos do Instituto Biologico Sao Paulo (2009) Vol. 76(4), pp. 589-595	N	N/A	N/A	Efficacy study
47.	Alder, L., Steinborn, A., Bergelt, S.	2011	Suitability of an orbitrap mass spectrometer for the screening of pesticide residues in extracts of fruits and vegetables	J AOAC Int. (2011) Vol. 94(6), pp. 1661-73	N	N/A	N/A	Analytical method for the detection of residues in foodstuffs
48.	Ali, M.A., Rafiq-u-Rehman, Tatla, Y.H., Ali, Z.	2005	Evaluation of different insecticides for the control of whitefly on cotton crop in Karor, District Layyah	Pakistan Entomologist (2005) Vol. 27(1), pp. 5-8	N	N/A	N/A	Efficacy study
49.	Alyaseri, I.I., Ali, M.A.S., Ali, A.K.J., Bahi, N.K.	2012	Determination of pesticides residues in some fruits and vegetables imported to Iraq	Journal of Agricultural Science and Technology A (2012) Vol. 2, No. 1, pp. 65-70	N	N/A	N/A	Analytical detection of residues in foodstuffs
50.	Amano, K., Leung, P.S.C., Rieger, R., Quan, C., Wang, X., Marik, J., Suen, Y.F., Kurth, M.J., Nantz, M.H., Ansari, A.A., Lam, K.S., Zeniya, M., Matsuura, E., Coppel, R.L., Gershwin, M.E.	2005	Chemical xenobiotics and mitochondrial autoantigens in primary biliary cirrhosis: Identification of antibodies against a common environmental, cosmetic, and food additive, 2-octynoic acid	Journal of Immunology (2005) Vol. 174(9), pp. 5874-5883	N	N/A	N/A	Research paper; not relevant

Number	Author	Year	Title	Reference	Meet relevance criteria	Meet Reliability Criteria		Comments
					Y or N	Y, N or N/A	Result of reliability assessment/ Justification if not reliable	
51.	Amelin, V.G., Lavrukhin, D.K., Tretiakov, A.V., Efremova, A.A.	2012a	Determination of pesticides in water, vegetables, and fruits by a HPLC method	Moscow University Chemistry Bulletin (2012) Vol. 67(6), pp. 275-282	N	N/A	N/A	Analytical detection of residues in foodstuffs
52.	Amelin, V.G., Bol'shakov, D.S., Tretjakov, A.V.	2012b	Identification and determination of synthetic pyrethroids, chlorpyriphos, and neonicotinoids in water by gas and liquid chromatography	Journal of Analytical Chemistry (2012) Vol. 67(4), pp. 354-359	N	N/A	N/A	Analytical detection of residues in foodstuffs
53.	Amjad, M., Bashirm, M.H., Afzal, M., Khan, M.A.	2009	Efficacy of some insecticides against whitefly (Bemisia tabaci Genn.) infesting cotton under field conditions	Pakistan Journal of Life and Social Sciences (2009) Vol. 7(2), pp. 140-143	N	N/A	N/A	Efficacy study
54.	Amjad, M., Bashir, M.H., Afzal, M., Sabri, M.A., Nazir J.	2012	Effects of commercial pesticides against cotton whitefly (Bemisia tabaci Genn.) and mites (Tetranychus urticae Koch) on growth and conidial germination of two species of entomopathogenic fungi	Pakistan Journal of Life and Social Sciences (2012) Vol. 10.1, pp. 22-27	N	N/A	N/A	Efficacy study
55.	Amutha, M., Banu, J.G.	2012	Compatibility of Metarhizium anisopliae and Pochonia lecanii with insecticides	Annals of Plant Protection Sciences (2012) Vol. 20.2, pp. 354-357	N	N/A	N/A	Effects of insecticides on fungi
56.	Amuntha, M., Banu, J.G., Surulivelu, T., Gopalakrishnan, N.	2010	Effect of commonly used insecticides on the growth of white muscardine fungus, Beauveria bassiana under laboratory conditions	Journal of Biopesticides (2010) Vol. 3(1), pp. 143-146	N	N/A	N/A	Effect of insecticides on fungal growth

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					Y or N	Y, N or N/A	Result of reliability assessment/ Justification if not reliable	
57.	Anderson, T.A., Salice, C.J., Erickson, R.A., McMurry, S.T., Cox, S.B., Smith, L.M.	2013	Effects of landuse and precipitation on pesticides and water quality in playa lakes of the southern high plains	Chemosphere (2013) Vol. 92.1, pp. 84-90	N	N/A	N/A	Environmental levels of pesticides
58.	Anhalt, J.C., Moorman, T.B., Koskinen, W.C.	2007	Biodegradation of imidacloprid by isolated soil microorganism	Journal of Environmental Science and Health – Part B Pesticides, Food Contaminants, and Agricultural Wastes (2007) Vol. 42(5), pp. 509-514	N	N/A	N/A	Biodegradation of imidacloprid
59.	Anitha, K.R., Nandihalli, B.S.	2009	Bioefficacy of newer insecticides against leafhopper and aphid in okra	Karnataka Journal of Agricultural Sciences (2009) Vol. 22(3), pp. 714-715	N	N/A	N/A	Efficacy study
60.	Anon.	2006	Insecticidal combinations containing alkoxylated amines	Research Disclosure (2006) Vol. 501, No. Jan., pp. P18-P19	N	N/A	N/A	Insecticides containing alkoxylated amines
61.	Anon.	2008	Resistance broken: lettuce aphid attacks resistant varieties	Gemüse (2008) Vol. 44(2), pp. 18-20				
62.	Anon.	2009	Study of analytical method for pesticide residues in vegetables and fruits by GC/MS/MS	Hiroshima-shi Eisei Kenkyusho Nenpo, (2009) Vol. 28, pp. 54-61	N	N/A	N/A	Analytical method for the detection of residues in foodstuffs
63.	Anwar, R., Carner, G.R., Culin, J.D., Hill, H.S., McInnis, T.M.	2007	Influence of neonicotinoid insecticides in infection by Neozygites fresenii (Nowakowski) Batko (Entomophthorales: Neozygitaceae) in the cotton aphid, Aphis gossypii Glover (Homoptera: Aphididae) in South Caroina	Journal of Agricultural and Urban Entomology (2007) Vol. 24(3), pp. 103-116	N	N/A	N/A	Efficacy study

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					Y or N	Y, N or N/A	Result of reliability assessment/ Justification if not reliable	
64.	Araoud, M., Douki, W., Najjar, M.F., Kenani, A.	2010	Simple analytical method for determination of pesticide residues in human serum by liquid chromatography tandem mass spectrometry	J Environ Sci Health B. (2010) Vol. 45(3), pp. 242-8	N	N/A	N/A	Analytical detection of residues in human serum
65.	Arain, M.S., Hu, X-X., Li, G-Q.	2014	Assessment of toxicity and potential risk of butene-fipronil using Drosophila melanogaster, in comparison to bine conventional insecticides	Bulletin of Environmental Contamination and Toxicology (2014) Vol. 92.2, pp. 190-195	N	N/A	N/A	Efficacy study
66.	Araya, J.E., Estay, P., Araya, M.H.	2006	Short communication. Toxicity of abamectin, acetamiprid, imidacloprid, mineral oil and an industrial detergent with respect to Encarsia formosa (Gahan) parasitizing Trialeurodes vaporariorium Westwood nymphs	Spanish Journal of Agricultural Research (2006) Vol. 4(1), pp. 86-90	N	N/A	N/A	Efficacy study
67.	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) Vol. 31(1), pp. 108-115	N	N/A	N/A	Detection of residue levels in foodstuffs but is not actual residues trials
68.	Arif, M.J., Abbas, Q., Gogi, M.D., Ashfaq, M., Sayyad, H.A., Arshad, M., Khan, M.A., Karar, H.	2012	Performance of some insecticides against canola aphids and associated coccinellid predators under field conditions	Pakistan Entomologist (2012) Vol. 34.1, pp. 37-41	N	N/A	N/A	Efficacy study

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					Y or N	Y, N or N/A	Result of reliability assessment/ Justification if not reliable	
69.	Arora, P.K., Sharma, D.R.	2011	Bio-efficacy of some neonicotinoids against citrus psylla, Diaphorina citri Kuwayama on kinnow mandarin	Journal of Insect Science (Ludhiana) (2011) Vol. 24(4), pp. 399-401	N	N/A	N/A	Efficacy study
70.	Babcock, J.M., Gerwick, C.B., Huang, J.X., Loso, M.R., Nakamura, G., Nolting, S.P., Rogers, R.B., Sparks, T.C., Thomas, J., Watson, G.B., Zhu, Y.	2011	Biological characterization of sulfoxaflor, a novel insecticide	Pest Management Science (2011) Vol. 67(3), pp. 328-34	N	N/A	N/A	Efficacy study
71.	Bacandritsos, N., 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 (2010) Vol. 105(3), pp. 335-340	N	N/A	N/A	Sudden deaths and colony population decline in honey bee colonies
72.	Badowska-Czubik, T., Olszak, R.W.	2006	Thripidae in Polish plum and apple nurseries and orchards	Journal of Fruit and Ornamental Plant Research (2006) Vol. 14. Suppl. 3, pp. 143-147	N	N/A	N/A	Research paper; not relevant
73.	Bahsi, S.Ü., Dagl, F., Ikten, C., Göcmen, H.	2012	Susceptibility level of Bemisia tabaci (Gennadius) (Hemiptera: Aleyrodidae) populations collected from Antalya to acetamiprid, chlorpyrifos-ethyl and cypermethrin	Akdeniz Üniversitesi Ziraat Fakültesi Dergisi (2012) Vol. 25(1), pp. 17-22	N	N/A	N/A	Efficacy study

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					Y or N	Y, N or N/A	Result of reliability assessment/ Justification if not reliable	
74.	Bajpai, N.K., Swami, H., Jeengar, K.L.	2013	Bio-efficacy of tolfenpyrad against aphid (Aphis gossypii Glover) infesting okra in Rajasthan	Current Advances in Agricultural Sciences (2013) Vol. 5.1, pp. 81-83	N	N/A	N/A	Efficacy study
75.	Baldessari, M., Trona, F., Leonardelli, E., Angeli, G.	2008	Efficacy of acetamiprid (Epik®) and azadirachtin (Oikos®) for controlling Dysaphis plantaginea Pass	In Giornate Fitopatologiche 2008, Cervia (RA), 12-14 marzo 2008, Vol. 1 , by Baldessari, M, Trona, F, Leonardelli, E, Angeli, G, 115-120. Bologna, Italy:Università di Bologna, 2008	N	N/A	N/A	Efficacy study
76.	Baldessari, M., Delaiti, M., Penner, F., Angeli, G.	2009a	Methods used for protection against grapevine leafhoppers are also suitable for Holocacista rivellie	Informatore Agrario (2009) Vol. 65(46), pp. 52-54	N	N/A	N/A	Efficacy study
77.	Baldessari, M., Giulianai, G., Angeli, G.	2009b	Strategies for control of rosy apple aphid	Informatore Agrario (2009) Vol. 65(6), pp. 61-69	N	N/A	N/A	Efficacy study
78.	Barry, J.D., Polavarapu, S.	2005	Feeding and survivorship of blueberry maggot flies (Diptera: Tephritidae) on protein baits incorporated with insecticides	Florida Entomologist (2005) Vol. 88(3), pp. 268-277	N	N/A	N/A	Efficacy study
79.	Barry, J.D., Polavarapu, S., Teixeira, L.A.F.	2004	Evaluation of traps and toxicants in an attract-and-kill system for Rhagoletis mendax (Diptera: Tephritidae)	Journal of Economic Entomology (2004) Vol. 97(6), pp. 2006-2014	N	N/A	N/A	Evaluation of traps and toxicants

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					Y or N	Y, N or N/A	Result of reliability assessment/ Justification if not reliable	
80.	Bartual, J., Lozoya, A., García, J., Valdés, G.	2012	Efficacy and residues of selected insecticides for control of cotton aphid (Aphis gossypii) and mealybug (Planococcus citri) in pomegranates	Options Méditerranéennes. Série A, Séminaires Méditerranéens (2012) Vol. 103, pp. 107-111	N	N/A	N/A	Efficacy study
81.	Basa Cesnik, H., Velikonja Bolta, S., Gregorcic, A.	2012	Pesticide residues in samples of apples, lettuce and potatoes from integrated pest management in Slovenia from 2005-2009	Acta Agriculturae Slovenica (2012) Vol. 99(1), pp. 49-56	N	N/A	N/A	Detection of residue levels in foodstuffs but is not actual residues trials
82.	Basit, M., Sayyed, A.H., Saleem, M.A., Saeed, S.	2011	Cross-resistance, inheritance and stability of resistance to acetamiprid in cotton whitefly, Bemisia tabaci Genn (Hemiptera: Aleyrodidae)	Crop Protection (2011) Vol. 30(6), pp. 705-712	N	N/A	N/A	Insecticide resistance study
83.	Basit, M., Saleem, M.A., Shafqat S., Sayyed, A.H.	2012a	Cross resistance, genetic analysis and stability of resistance to buprofezin in cotton whitefly, Bemisia tabaci (Homoptera: Aleyrodidae)	Crop Protection (2012) Vol. 40, pp. 16-21	N	N/A	N/A	Insecticide resistance study
84.	Basit, M., Sayyed, A.H., Saeed, S., Saleem, M.A.	2012b	Lack of fitness costs associated with acetamiprid resistance in Bemisia tabaci (Hemiptera: Aleyrodidae)	Journal of Economic Entomology (2012) Vol. 105.4, pp. 1401-6	N	N/A	N/A	Insecticide resistance study
85.	Basit, M., Saeed, S., Saleem, M.A., Sayyed, A.H.	2013a	Can resistance in Bemisia tabaci (Homoptera: Aleyrodidae) be overcome with mixtures of neonicotinoids and insect growth regulators?	Crop Protection (2013) Vol. 4, pp. 135-141	N	N/A	N/A	Insecticide resistance study

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					Y or N	Y, N or N/A	Result of reliability assessment/ Justification if not reliable	
86.	Basit, M., Saeed, S., Saleem, M.A., Denholm, I., Shah, M.	2013b	Detection of resistance, cross-resistance, and stability of resistance to new chemistry insecticides in Bemisia tabaci (Homoptera: Aleyrodidae)	Journal of Economic Entomology (2013) Vol. 106.3, pp. 1414-1422	N	N/A	N/A	Insecticide resistance study
87.	Bažok, R., Ceranić-Sertić, M., Barčić, J.I., Borošić, J., Kozina, A., Kos, T., Lemić, D., Čačija, M.	2012	Seasonal flight, optimal timing and efficacy of selected insecticides for cabbage maggot (Delia radicum L., Diptera: Anthomyiidae) control	Seasonal Flight, Optimal Timing and Efficacy of Selected Insecticides for Cabbage Maggot (Delia radicum L., Diptera: Anthomyiidae) Control (2012)	N	N/A	N/A	Efficacy study
88.	Becherescu, A.	2008	Researches regarding the influence of protection complexes used to control downy mildew Peronospora destructor (Berk.) Casp., on onion bulbs, onion neck rot – Botrytis allii Munn. And onion maggot – Felia antiqua Meig. affecting mean weight of onion bulbs	Lucrari Stiintifice – Universitatea de Stiinte Agronomice si Medician Veterinara Bucuresti Seria B, Horticultura (2008) Vol. 51, pp. 19-22	N	N/A	N/A	Efficacy study
89.	Becherescu, A.	2007	Protection complexes' efficiency in fighting against onion downy mildew (Peronospora destructor), attack on leaves	Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca Horticulture (2007) Vol. 64(1/2), pp. 716	N	N/A	N/A	Efficacy study
90.	Becherescu, A.	2009a	Economic efficiency of onion crop as effect of the application of various protection complexes for disease and pest control	Lucrari Stiintifice – Universitatea de Stiinte Agronomice si Medicina Veterinara Bucuresti. Seria B, Horticultura (2009) Vol. 53, pp. 46-49	N	N/A	N/A	Agronomy study

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					Y or N	Y, N or N/A	Result of reliability assessment/ Justification if not reliable	
91.	Becherescu, A.	2009b	Efficacy of integrated protection complexes in fighting against the pest Delia antiqua Meig	Journal of Horticulture, Forestry and Biotechnology (2009) Vol. 13, pp. 151-154	N	N/A	N/A	Efficacy study
92.	Beers, E.H., Brunner, J.F., Dunley, J.E., Doerr, M., Granger, K.	2005	Role of neonicotinyl insecticides in Washington apple integrated pest management. Part II. Nontarget effects on integrated mite control	Journal of Insect Science (Tucson) (2005) Vol. 5(20), pp. 5.16	N	N/A	N/A	IPM study
93.	Bell, H., Fleming, D., Cuthbertson, A., Powell, M., Northing, P.	2011	Biotype, origin and insecticide resistance of Bemisia tabaci interceptions in the UK: implications for IPM	IOBC/WPRS Bulletin (2011) Vol. 68, pp. 11-14	N	N/A	N/A	*B. tabaci* biotypes and insecticide resistance
94.	Ben'kovskaya, G.V., Udalov, M.B., Poskryakov, A.V., Nikolenko, A.G.	2004	Phenogenetic polymorphism of Colorado potato beetle (Leptinotarsa decemlineata Say) and its sensitiveness to insecticides in Bashkortostan	Agrokhimiya (2004) Vol. 12, pp. 23-28	N	N/A	N/A	Photogenetic polymorphism of Colorado potato beetle
95.	Benkovskaya, G.V., Udalov, M.B., Nikolenko, A.G.	2006	Temporal and toxicological dynamics in the cover spot patterns of the Colorado potato beetle in South Ural	Resistant Pest Management Newsletter (2006) Vol. 15(2), pp. 13-15	N	N/A	N/A	Colorado beetle population dynamics
96.	Benkovskaya, G.V., Lenotieva, T.L., Udalov, M.B.	2009	Colorado beetle resistance to insecticides in South Urals	Resistant Pest Management Newsletter (2009) Vol. 19(1), pp. 1-2	N	N/A	N/A	Insecticide resistance study
97.	Bereś, P.K., Drzewiecki, S.	2011	Usefulness of selected insecticides for control of Diabrotica virgifera Le Conte beetles in maize (Zea mays L.)	Progress in Plant Protection (2011) Vol. 51(1), pp. 167-176	N	N/A	N/A	Efficacy study

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					Y or N	Y, N or N/A	Result of reliability assessment/ Justification if not reliable	
98.	Bernabeu, A., Vercher, R.F., Santos-Juanes, L., Simon, P.J., Lardin, C., Martinez, M.A., Vicente, J.A., Gonzalez, R., Llosa, C., Arques, A., Amat, A.M.	2011	Solar photocatalysis as a tertiary treatment to remove emerging pollutants from wastewater treatment plant effluents	Catalysis Today (2011) Vol. 161(1), pp. 235-240	N	N/A	N/A	Solar photocatalysis treatment to remove emerging pollutants from WWTP effluents
99.	Bernabeu, A., Palacios, S., Vicente, R., Vercher, R.F., Malato, S., Arques, A., Amat, A.M.	2012	Solar photo-Fenton at mild conditions to treat a mixture of six emerging pollutants	Chemical Engineering Journal (2012) Vol. 198/199, pp. 65-72	N	N/A	N/A	Treatment of environmental pollutants
100.	Besleaga, R., Cârdei, E., Georgescu, T., Talmaciu, M.	2009	Efficacy of various insecticides in the control of codling moth in apple plantations at S.R.D.A.F. IASI	Lucrari Stiintifice – Universitatea de Stiinte Agronomice si Medicina Veterinara Bucuresti. Seria B, Horticultura (2009) Vol. 53, pp. 1059-1062	N	N/A	N/A	Efficacy study
101.	Bhamare, V.K., Wadnerkar, D.W.	2013	Bioefficacy of newer insecticidal combinations against sucking pest complex of cotton	Journal of Cotton Research and Development (2013) Vol. 27.2, pp. 279-285	N	N/A	N/A	Efficacy study
102.	Bhanu, K.V., Reddy, P.S.	2008	Field evaluation of certain newer insecticides against rice insect pests	Journal of Applied Zoological Researches (2008) Vol. 19(1), pp. 11-14	N	N/A	N/A	Efficacy study
103.	Bhargava, K.K., Bhatnagar, A.	2007	Bio-efficacy of some neonicotinoid insecticides against the maize aphid, Rhopalosiphum maidis (Fitch), infesting barley.	Pest Management and Economic Zoology (2007) Vol. 15(1), pp. 45-48	N	N/A	N/A	Efficacy study

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					Y or N	Y, N or N/A	Result of reliability assessment/ Justification if not reliable	
104.	Bharti, N., Kumar, V., Singh, U.K.	2009	Efficacy of bio pesticides and neem based insecticides against pod borer, Helicoverpa armigera (Hubner) infesting chickpea	Journal of Applied Biology (2009) Vol. 19(1/2), pp. 20-22	N	N/A	N/A	Efficacy study
105.	Bhattacharya, S., Pramanik, A.	2005	Studies on different aspects of efficacy of some commercial microbial pesticides against Diacrisia obliqua on jute	Indian Journal of Agricultural Research (2005) Vol. 39(1), pp. 47-51	N	N/A	N/A	Efficacy study
106.	Bhatti, S., Sharma, D.R.	2012	Persistence of soil applied neo-nicotinoid insecticides against Phyllocnistis citrella Stainton on rough lemon nursery and their influence on plant growth	Journal of Insect Science (Lithuania) (2012) Vol. 25(1), pp. 57-63	N	N/A	N/A	Efficacy study
107.	Bhavani, B.	2013	Management of sugarcane scale insect (Melanaspis glomerata Green) in North coastal region of Andhra Pradesh, India	International Sugar Journal (2013) Vol. 115.1378, pp. 716-719	N	N/A	N/A	Efficacy study
108.	Bi, J.L., Toscano, N.C.	2007	Current status of the greenhouse whitefly, Trialeurodes vaporariorum, susceptibility to neonicotinoid and conventional insecticides on strawberries in Southern California	Pest Management Science (2007) Vol. 63(8), pp. 747-752	N	N/A	N/A	Efficacy study
109.	Bi, X., Simoneit, B.R.T., Sheng, G., Ma, S., Fu, J.	2008	Composition and major sources of organic compounds in urban aerosols	Atmospheric Research (2008) Vol. 88(3-4), pp. 256-265	N	N/A	N/A	Composition and sources of organic compounds in aerosols

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					Y or N	Y, N or N/A	Result of reliability assessment/ Justification if not reliable	
110.	Bi, F., Wu, G., Zhai, L.	2009	Selection of UV absorption wavelength for pesticide analysis by HPLC	Nongyao Kexue Yu Guanli (2009) Vol. 30(7), pp. 41-45	N	N/A	N/A	Selection of UV absorption wavelength for pesticide analysis by HPLC
111.	Bian, Q-Q., Liu, Y-F., Yu, J-S.	2010	CdTe/CdS semiconductor quantum dots as a highly sensitive sensor for pesticide paraquat	Chemical Journal of Chinese Universities (2010) Vol. 31(6), pp. 1118-1125	N	N/A	N/A	Research paper; not relevant
112.	Bian, H., Mu, C., Guo, X., Luo, C., Zhi, J.	2011	Control effects and toxicities of six insecticides against Bemisia tabaci Q biotype	Zhiwu Baohu, (2011) Vol. 37(5), pp. 201-205	N	N/A	N/A	Efficacy study
113.	Biargues, M.È., Koké, É., Sagnes, J.L.	2007	Control of aphids on apples. Note on preflowering treatments	Arboriculture Fruitière (2007) Vol. 612, pp. 34, 36-39	N	N/A	N/A	Efficacy study
114.	Bilgin, B., Akyuz, S.S., Taga, O., Velioglu, M.	2009	Determination of pesticide residues of organic wheat flours and some quality criteria of breads	Asian Journal of Chemistry, (2009) Vol. 21(7) pp. 5328-5336	N	N/A	N/A	Analytical detection of residues in foodstuffs
115.	Bingham, G., Field, L.M., Moores, G.D., Gunning, R.V., Delogu, G., Borzatta, V.	2008	Temporal synergism can enhance carbamate and neonicotinoid insecticidal activity against resistant crop pests	Pest Management Science (2008) Vol. 64(1), pp. 81-85	N	N/A	N/A	Insecticide resistance study
116.	Biswas, R.K., Chatterjee, M.	2008	Effectiveness of some systemic insecticides against the whitefly, Bemisia tabaci (Gennadius), on brinjal and the jassid, Amrasca biguttula Ishida, on okra	Pest Management and Economic Zoology (2008), Vol. 16(1), pp. 37-42	N	N/A	N/A	Efficacy study

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					Y or N	Y, N or N/A	Result of reliability assessment/ Justification if not reliable	
117.	Biswas, R.K., Sarkar, S., Biswas, A.K.	2007	Bioefficacy and toxicity of various insecticidal treatments on population of chilli Thrips Scirtothrips dorsalis Hood	Environment and Ecology (2007) Vol. 25S, No. Spl-4A, pp. 1433-1436	N	N/A	N/A	Efficacy study
118.	Bodereau-Dubois, B., List, O., Calas-List, D., Marques, O., Communal, P-Y., Thany, S.H., Lapied, B.	2012	Transmembrane potential polarization, calcium influx, and receptor conformational state modulate the sensitivity of the imidacloprid-insensitive neuronal insect nicotinic acetylcholine receptor to neonicotinoid insecticides	Journal of Pharmacology and Experimental Therapeutics (2012) Vol. 341.2, pp. 326-339	N	N/A	N/A	Research paper; not relevant
119.	Boina, D.R., Onagbola, E.O., Salyani, M., Stelinski, L.L.	2009	Influence of posttreatment on the toxicity of insecticides against Diaphorina citri (Hemiptera: Psyllidae)	Journal of Economic Entomology (2009) Vol. 102(2), pp. 685-91	N	N/A	N/A	Agronomy study
120.	Bommireddy, P.L., Gable, R., Tindall, K., Leonard, B.R.	2005	Evaluation of neonicotinoids against cotton aphid, 2004	Arthropod Management Tests (2005) Vol. 30, pp. F37	N	N/A	N/A	Efficacy study
121.	Bommireddy, P.L., Leonard, B.R., Emfinger, K.D., Price, P.	2007	Evaluation of neonicotinoids and flonicamid against cotton aphids and tarnished plant bugs in cotton, 2006	Arthropod Management Tests (2007) Vol. 32, pp. F22	N	N/A	N/A	Efficacy study
122.	Bonnechere, A., Hanot, V., Bragard, C., Bedoret, T., van Loco, J.	2012	Effect of household and industrial processing on the levels of pesticide residues and degradation products in melons	Food Additives & Contaminants: Part A - Chemistry, Analysis, Control, Exposure & Risk Assessment (2012) Vol. 29.7, pp. 1058-1066.	N	N/A	N/A	Effects of processing on pesticide residues
123.	Boricha, H.V., Raghvani, K.I., Joshi, M.D., Makadia, R.R.	2009	Bio-efficacy of bio-pesticides against Jassid, Amrasca bigttula bigttula Ishida infesting cotton	International Journal of Plant Protection (2009) Vol. 2(2), pp. 178-181	N	N/A	N/A	Efficacy study

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124.	Boricha, H.V., Raghvani, K.I., Joshi, M.D., Makadia, R.R., Varmora, J.M., Babariya, P.M.	2010a	Bioefficacy of biopesticides against thrips, Thrips tabaci infesting cotton	International Journal of Plant Protection (2010) Vol. 3(1), pp. 43-46	N	N/A	N/A	Efficacy study
125.	Boricha, H.V., Raghvani, K.I., Joshi, M.D., Makadia, R.R., Varmora, J.M.	2010b	Bioefficacy of biopesticides against whitefly, Bemisia tabaci infesting cotton	International Journal of Plant Protection (2010) Vol. 3(1), pp. 8-10	N	N/A	N/A	Efficacy study
126.	Bormann, I., Kaiser, C., Volkmar, C., Spilke, J., Müller, B.	2012	Efficiency of insecticides (Mospilan SG, Karate Zeon, Plenum 50 WG) to pollen beetle (Meligethes aeneus) under semifield conditions	Julius-Kühn-Archiv (2012) Vol. 438, pp. 462	N	N/A	N/A	Efficacy study
127.	Bostanian, N.J., Racette, G., Hardman, J.M., Ventard, E.	2005	The intrinsic toxicity of several neonicotinoids to Lygus lineolaris and Hyaliodes vitripennis, a phytophagous and a predacious mirid	Pest Management Science (2005) Vol. 61(10), pp. 991-996	N	N/A	N/A	Efficacy study
128.	Bouet, S., Deneufbourg, F.	2008	Control of Apion trifolii in red clover seed production	In AFPP - 8ème Conférence Internationale sur les Ravageurs en Agriculture, Montpellier SupAgro, France, 22-23 Octobre 2008, by Bouet, S., Deneufbourg, F., pp. 166-174. Alfortville, France: Association Française de Protection des Plantes (AFPP), 2008	N	N/A	N/A	Efficacy study

Number	Author	Year	Title	Reference	Meet relevance criteria	Meet Reliability Criteria		Comments
					Y or N	Y, N or N/A	Result of reliability assessment/ Justification if not reliable	
129.	Boulard, T., Raeppel, C., Brun, R., Lecompte, F., Hayer, F., Carmassi, G., Gaillard, G.	2011	Environmental impact of greenhouse tomato production in France	Agronomy Sust Developm. (2011) Vol. 31, pp. 757-777	N	N/A	N/A	Environmental impact of greenhouse tomato production
130.	Brar, D.S., Agarwal, N.	2005	Evaluation of efficacy of acetamiprid (Pride 20SP) against whitefly, Bemisia tabaci (Genn.) on American cotton	Journal of Cotton Research and Development (2005) Vol. 19(2), pp. 281-283	N	N/A	N/A	Efficacy study
131.	Breisch, H., Sarraquigne, J.P., Couturié, E.	2009	An insecticide effectiveness screening method on hazelnut weevil (Curculio nucum L. Coleoptera, Curculionidae) for field and laboratory studies	Acta Horticulturae (2009) Vol. 845, pp. 451-456	N	N/A	N/A	Efficacy study
132.	Brocca, D., Medina-Pastor, P., Miron, I., Reich, H., Triacchini, G., Muller, E., van der Schoor, C.	2013	The 2010 European union report on pesticide residues in food	EFSA Journal (2013) Vol. 11(3), pp. 3130, 808 pp.	N	N/A	N/A	EU report on pesticide residues in food
133.	Broughton, S., Herron, G.A.	2009a	Management of Western Flower thrip, Frankliniella occidentalis (Pergande) (Thysanoptera: Thripidae) on strawberries	General and Applied Entomology (2009) Vol. 38, pp. 37-41	N	N/A	N/A	Efficacy study
134.	Broughton, S., Herron, G.A.	2009b	Potential new insecticides for the control of Western Flower thrips (Thysanoptera: Thripidae) on sweet pepper, tomato, and lettuce	Journal of Economic Entomology (2009) Vol. 102(2), pp. 646-651	N	N/A	N/A	Efficacy study

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					Y or N	Y, N or N/A	Result of reliability assessment/ Justification if not reliable	
135.	Brown, A.N., Cook, J.M., Hammack, W.T., Stepp, J.S., Pelt, J.V., Gerard, G.	2011	Analysis of pesticide residues in fresh produce using buffered acetonitrile extraction and aminopropyl cleanup with gas chromatography/triple quadrupole mass spectrometry, liquid chromatography/triple quadrupole mass spectrometry, gas chromatography/ion trap detector mass spectrometry, and GC with a halogen specific detector	J AOAC Int. (2011) Vol. 94(3), pp. 931-41	N	N/A	N/A	Analytical detection of residues in foodstuffs
136.	Broznic, D., Marinic, J., Tota, M., Juresic, G.C., Milin, C.	2008	Kinetic evaluation of imidacloprid degradation in mice organs treated with olive oil polyphenols extract	Croatica Chemica Acta (2008) Vol. 81(1), pp. 203-209	N	N/A	N/A	Kinetic evaluation of imidacloprid degradation
137.	Brunet, J-L., Maresca, M., Fanini, J., Belzunces, L.P.	2008	Intestinal absorption of the acetamiprid neonicotinoid by Caco-2 cells : Transepithelial transport, cellular uptake and efflux	Journal of Environmental Science and Health – Part B Pesticides, Food Contaminants, and Agricultural Wastes (2008) Vol. 43(3), pp. 261-270	N	N/A	N/A	Cellular investigations into intestinal absorption of acetamiprid
138.	Brunner, J.F., Beers, E.H., Dunley, J.E., Doerr, M., Granger, K.	2005	Role of neonicotinyl insecticides in Washington apple integrated pest management. Part I. Control of lepidopteran pests	Journal of Insect Science (2005) Vol. 5	N	N/A	N/A	IPM study
139.	Caballero, R., Cyman, S., Schuster, D.J.	2013	Monitoring insecticide resistance in biotype B of Bemisia tabaci (Hemiptera: Aleyrodidae) in Florida	Florida Entomologist (2013) Vol. 96.4, pp. 1243-1256	N	N/A	N/A	Insecticide resistance study

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					Y or N	Y, N or N/A	Result of reliability assessment/ Justification if not reliable	
140.	Cai, E.	2007	Determination of acetamiprid residue in vegetable soybean	Nongyao Kexue Yu Guanli (2007) Vol. 28(6), pp. 13-15, 18	N	N/A	N/A	Analytical method for the detection of residues in foodstuffs
141.	Cai, Z.J., Hu, H.Q., Wei, X.X.	2007	Evaluation on the controlling effects of eight insecticides on the natural population of citrus leaf-miner	Zhongguo Shengtai Nongye Xuebao / Chinese Journal of Eco-Agriculture (2007) Vol .15.1, pp. 109-112.	N	N/A	N/A	Efficacy study
142.	Camino-Sánchez, F.J., Zafra-Gómez, A., Oliver-Rodríguez, B., Ballesteros, O., Navalón, A., Crovetto, G., Vilchez, J.L.	2010	UNE-EN ISO/IEC 17025:2005-accredited method for the determination of pesticide residues in fruit and vegetable samples by LC-MS/MS	Food Addit Contam Part A Chem Anal Control Expo Risk Assess. (2010) Vol. 27(11), pp. 1532-44	N	N/A	N/A	Analytical method for the detection of residues in foodstuffs
143.	Campillo, N., Viñas, P., Férez-Melgarejo, G., Hernández-Córdoba, M.	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	J Agric Food Chem. (2013) Vol. 61, pp. 4799-4805	N	N/A	N/A	Analytical method for the detection of residues in foodstuffs
144.	Cao, Y., Huang, L., Chen, J., Liang, J., Long, S., Lu, Y.	2005	Development of a controlled release formulation based on a starch matrix system	International Journal of Pharmaceutics (2005) Vol. 298(1), pp. 108-16	N	N/A	N/A	Development of controlled release formulations
145.	Cao, Y., Tan, H., Shi, T., Tang, T., Li, J.	2008	Preparation of Ag-doped TiO2 nanoparticles for photocatalytic degradation of acetamiprid in water	Journal of Chemical Technology and Biotechnology (2008) Vol. 83(4), pp. 546-552	N	N/A	N/A	Photocatalytic degradation of acetamiprid in water

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146.	Cao, Z., Mou, R., Ying, X., Lin, X., Chen, M.	2010	Determination of 80 pesticide residues in vegetables and fruits by liquid chromatography-tandem mass spectrometry	Fenxi Ceshi Xuebao (2010) Vol. 29(10) pp. 1030-1035	N	N/A	N/A	Analytical detection of residues in foodstuffs
147.	Capella, A., Guarnone, A., Domenichini, P., Airoldi, M.	2004	Acetamiprid, a new neonicotinoid for pest control in orchards, vegetables and ornamentals Italy	Informatore Fitopatologico (Italy) (2004) Vol. 54(4), pp. 43-47	N	N/A	N/A	Acetamiprid characteristics, activity and uses
148.	Cara, M., Vorspi, V., Harizaj, F., Mekuri, J., Vladi, V.	2011	Degradation of the insecticide acetamiprid in greenhouse cucumbers and an estimation of the level of residues	Journal of Environmental Protection and Ecology (2011) Vol. 12(1), pp. 74-81	N	N/A	N/A	Analytical detection of residues in foodstuffs
149.	Carcamo, H.A., Dosdall, L.M., Johnson, D., Olfert, O.	2005	Evaluation of foliar and seed treatments for control of the cabbage seedpod weevil (Coleoptera: Curculionidae) in canola	Canadian Entomologist (2005) Vol. 137(4), pp. 476-487	N	N/A	N/A	Efficacy study
150.	Cârdei, E., Besleaga, R.	2009	Results concerning the biology, ecology and integrated control of the leaf miner (Phyllonorycter corylifoliella Hbn.) in apple plantations	Lucrari Stiintifice – Universitatea de Stiinte Agronomice si Medicina Veterinara Bucuresti. Seria B, Horticultura (2009) Vol. 53, pp. 1059-1062	N	N/A	N/A	Efficacy study
151.	Carletto, J., Martin, T., Vanlerberghe-Masutti, F., Brevault, T.	2010	Insecticide resistance traits differ among and within host races in Aphis gossypii	Pest Management Science (2010) Vol. 66(3), pp. 301-307	N	N/A	N/A	Insecticide resistance study
152.	Carlo, L., Baker, P.	2004	Cotton pesticide use data based on Arizona's ADA 1080 forms for 2002	Proceedings - Beltwide Cotton Conferences (2004) pp. 1959-1966	N	N/A	N/A	Pesticide usage in Arizona

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153.	Carlos, L., Martire, D.O., Gonzalez, M.C., Gomis, J., Bernabeu, A., Amat, A.M., Arques, A.	2012	Photochemical fate of a mixture of emerging pollutants in the presence of humic substances	Water Research (2012) Vol. 46.15, pp. 4732-4740	N	N/A	N/A	Photodegradation of a mixture of pollutants
154.	Carneiro, R.P., Oliveria, F.A.S., Madureira, F.D., Silva, G., de Souza, W.R., Lopes, R.P.	2013	Development and method validation for determination of 128 pesticides in bananas by modified QuEChERS and UHPLC-MS/MS analysis	Food Control (2013) Vol. 33(2), pp. 413-423	N	N/A	N/A	Analytical method for detection of residues in foodstuffs
155.	Carra, I., Malato, S., Jimenez, M., Maldonado, M.I., Sanchez Perez, J.A.	2014	Microcontaminant removal by solar photo-Fenton at natural pH run with sequential and continuous iron additions	Chemical Engineering Journal (2014) Vol. 235, pp. 132-140	N	N/A	N/A	Methodology for removal of micropollutants
156.	Carvalho, G.A., Godoy, M.S., Parreira, D.S., Rezende, D.T.	2010a	Effect of chemical insecticides used in tomato crops on immature Trichogramma pretiosum (Hymenoptera: Trichogrammatidae)	Revista Colombiana de Entomologia (2010) Vol. 36(1), pp. 10-15	N	N/A	N/A	Efficacy study
157.	Carvalho, G.A., Godoy, M.S., Parreira, D.S., Lasmar, O., Souza, J.R., Moscardini, V.F.	2010b	Selectivity of growth regulators and neonicotinoids for adults of Trichogramma pretiosum (Hymenoptera: Trichogrammatidae)	Revista Colombiana de Entomologia (2010) Vol. 36(2), pp. 4195-201	N	N/A	N/A	Efficacy study
158.	Casmuz, A.S., Guillermina Socías, M., Salas, H., Gustavo Zaia, D., Lazcano, J.M., Zapatiel, S.A., Ávila, E.R., Medina, S.A., Bernal, M.	2009	Evaluation of seed treatment insecticides for Sternechus subsignatus Boheman (Coleoptera: Curculionidae) control in the early stages of development of soybean	Revista Industrial y Agrícola de Tucumán (2009) Vol. 88(2), pp. 23-29	N	N/A	N/A	Efficacy study

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159.	Cassani, S., Kovarich, S., Papa, E., Roy, P.P., van der Wal, L., Gramatica, P.	2013	Daphnia and fish toxicity of (benzo)triazoles: Validated QSAR models, and interspecies quantitative activity-activity modeling	J Hazard Mater. (2013) Vol. 258-259, pp. 50-60	N	N/A	N/A	QSAR modelling for predictions of Daphnia and fish toxicity
160.	Castle, S.J., Prabhaker, N.	2013	Monitoring changes in Bemisia tabaci (Hemiptera: Aleyrodidae) susceptibility to neonicotinoid insecticides in Arizona and California	Journal of Economic Entomology (2013) Vol. 106.3, pp. 1404-1413	N	N/A	N/A	Efficacy study
161.	Cazorla-Reyes, R., Fernandez-Moreno, J.L., Romero-Gonzalez, R., Frenich, A.G., Vidal, J.L.M.	2011	Single solid phase extraction method for the simultaneous analysis of polar and non-polar pesticides in urine samples by gas chromatography and ultra high pressure liquid chromatography coupled to tandem mass spectrometry	Talanta (2011) Vol. 85(1), pp. 183-196	N	N/A	N/A	Development of analytical method
162.	Cesnik, H.B., Bolta, S.V., Gregorcic, A.	2009	Pesticide residues in agricultural products of the slovene origin found in 2007	Acta Chimica Slovenica (2009) Vol. 56(2), pp. 484-496	N	N/A	N/A	Determination of residues in foodstuffs
163.	Cesnik, H.B., Bolta, S.V., Gregorcic A.	2010	Pesticide residues in cauliflower, eggplant, endive, lettuce, pepper, potato and wheat of Slovene origin found in 2009	Acta Chimica Slovenica (2010) Vol. 57, Issue 4, p972-9	N	N/A	N/A	Detection of residue levels in foodstuffs but is not actual residues trials
164.	Cahe, S-H., Kim, S-I., Yeon, S-H., Lee, S-W., Ahn, Y-J.	2011	Adulticidal activity of phthalides identified in Cnidium officinale Rhizome to B- and Q-biotypes of Bemisia tabaci	Journal of Agricultural and Food Chemistry (2011) Vol. 59(15), pp. 8193-8198	N	N/A	N/A	Efficacy study

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165.	Chandrayudu, E., Srinivasan, S., Rao, N.V.	2006	Evaluation of certain new insecticides against spotted pod borer, Maruca vitrata , in cowpea	Indian Journal of Plant Protection (2006) Vol. 3491), pp. 118-119	N	N/A	N/A	Efficacy study
166.	Charalawad, M.S., Jayewar, N.E., Sugawe, A.G., Mundhe, D.R.	2010	Bioefficacy of acetamiprid 20SP and 20SL against sucking pests of chilli	Green Farming (2010) Vol. 1(2), pp. 171-173	N	N/A	N/A	Efficacy study
167.	Chatterjee, A., Ghosh, S.K.	2007	Seasonal variation of whitefly population and its management to prevent the spread of yellow vein mosaci disease in mesta	Journal of Mycopathological Research (2007) Vol. 45(2), pp. 189-194	N	N/A	N/A	Efficacy study
168.	Chatterjee, M.L., Roy, S.	2004	Bioefficacy of some insecticides against Brinjal shoot and fruit borer (Leucinodes orbonalis Guenee) and effect of novaluron on natural enemies of Brinjal pests	Pestology (2004) Vol. 28(10), pp. 52-56	N	N/A	N/A	Efficacy study
169.	Chauzat, M.P., Faucon, J.P., Martel, A.C., Lachaize, J., Cougoule, N., Aubert, M.	2006	A survey of pesticide residues in pollen loads collected by honey bees in France	Journal of Economic Entomology (2006) Vol. 99(2), pp. 253-262	N	N/A	N/A	Pesticide residues in pollen collected by honey bees
170.	Chauzat, M-P., Carpentier, P., Martel, A-C., Bougeard, S., Cougoule, N., Porta, P., Lachaize, J., Madec, F., Zeggane, S., Aubert, M., Faucon, J-P.	2009	Influence of pesticide residues on honey bee (Hymenoptera: Apidae) colony health in France	Environmental Entomology (2009) Vol. 38(3), pp. 514-23	N	N/A	N/A	Effect of pesticide residues on honey bee colonies

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171.	Chauzat, M-P., Faucon, J.P., Martel, A.C., Lachaize, J., Cougoule, N., Aubert, M.	2006	Pesticides, pollen and honey bees	Phytoma (2006) Vol. 594, pp. 40-45	N	N/A	N/A	Pesticide levels in honeybee colonies
172.	Chauzat, M-P., Martel, A-C., Cougoule, N., Porta, P., Lachaize, J., Zeggane, S., Aubert, M., Carpentier, P., Faucon, J-P.	2011	An assessment of honeybee colony matrices, Apis mellifera (Hymenoptera : apidae) to monitor pesticide presence in continental France	Environmental Toxicology and Chemistry (2011) Vol. 30(1), pp. 103-111	N	N/A	N/A	Pesticide levels in honeybee colonies
173.	Chavan, V.M., Paqire, K.S.	2013	Effect of newer insecticides against whitefly (Bemisia tabaci Genn.), a vector of yellow vein mosaic virus on okra	Journal of Agriculture Research and Technology (2013) Vol. 38.1, pp.59-63	N	N/A	N/A	Efficacy study
174.	Chen, J.	2004	Toxicity test and control effects of pesticides on Myzus persicae (Sulzer)	Yancao Keji (2004) No. 3, pp. 43-45	N	N/A	N/A	Efficacy/ insecticide toxicity study
175.	Chen, X.	2009	Field trial of controlling effects of several pesticides on cotton plant bugs	Nongyao Kexue Yu Guanli (2009) Vol. 30(5), pp. 47-48	N	N/A	N/A	Efficacy study
176.	Chen, M., Shelton, A.M.	2011	Effect of insect density, plant age and residue duration on acetamiprid efficacy against swede midge	Journal of Economic Entomology (2010) Vol. 103(6), pp. 2107-11	N	N/A	N/A	Efficacy study
177.	Chen, M., Zhao, J.Z., Shelton, A.M.	2007a	Control of Contarinia nasturtii Keiffer (Diptera: Cecidomyiidea) by foliar sprays of acetamiprid on cauliflower transplants	Crop Protection (2007) Vol. 26(10), pp. 1574-1578	N	N/A	N/A	Efficacy study

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178.	Chen, X-Y., Chen, J-W., Yang, P., Qiao, X-L.	2007b	Influential factors and degradation pathway of imidacloprid by homogeneous Co/PMS system	Huan Jing Ke Xue (2007) Vol. 28(12), pp. 2816-20	N	N/A	N/A	Imidacloprid degradation
179.	Chen, T., Dai, Y-J., Ding, J-F., Yuan, S., Ni, J-P.	2007c	N-demethylation of neonicotinoid insecticide acetamiprid by bacterium Stenotrophomonas maltophiliai CGMCC 1.1788	Biodegradation (2007) Vol. 19(5), pp. 651-8	N	N/A	N/A	Bacterial demethylation of acetamiprid
180.	Chen, L., Wang, J-F., Du, P., Tang, X-G., Zhao, K-X., Pan, C-P.	2008a	Determination of imidacloprid and acetamiprid in leek by reversed phase high performance liquid chromatography with microwave treatment and convenient reverse solid phase dispersion clean-up	Chinese Journal of Agricultural Chemistry (2008) Vol. 36(10), pp. 1364-1368	N	N/A	N/A	Analytical method for detection of residues in foodstuffs
181.	Chen, T., Dai, Y-J., Ding, J-F., Yuan, S., Ni, J-P.	2008b	N-demethylation of neonicotinoid insecticide acetamiprid by bacterium Stenotrophomonas maltophilia CGMCC 1.1788	Biodegradation (2008) Vol. 19(5), pp. 651-658	N	N/A	N/A	Bacterial degradation of acetamiprid
182.	Chen, X., Yuan, L., Du, Y., Zhang, Y., Wang, J.	2011a	Cross-resistance and biochemical mechanisms of abamectin resistance in the western flower thrips, Frankliniella occidentalis	Pesticide Biochemistry and Physiology (2011) Vol. 101(1), pp. 34-38	N	N/A	N/A	Insecticide resistance study
183.	Chen, H-P., Liu, X., Wang, C-P., Wang, Q-H., Jiang, Y.	2011a	Determination of 10 polar pesticide residues in tea using ultra performance liquid chromatography and tandem mass spectrometry	Fenxi Shiyanshi (2011) Vol. 30(8), pp. 48-53	N	N/A	N/A	Analytical detection of residues in foodstuffs

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184.	Chen, G-H., Sun, J., Dai, Y-J., Dong, M.	2012a	Determination of nicotinyl pesticide residues in vegetables by micellar electrokinetic capillary chromatography with quantum dot indirect laser-induced fluorescence	Electrophoresis (2012) Vol. 33.14, pp. 2192-2196	N	N/A	N/A	Analytical method for detection of residues in foodstuffs
185.	Chen, Y., Al-taher, F., Juskelis, R., Wong, J.W., Zhang, K., Hayward, D.G., Zweigenbaum, J., Stevens, J., Cappozzo, J.	2012b	Multiresidue pesticide analysis of dried botanical dietary supplements using an automated dispersive SPE cleanup for QuEChERS and high-performance liquid chromatography-tandem mass spectrometry	Journal of Agricultural and Food Chemistry (2012) Vol. 60., No. 40., pp. 9991-9999	N	N/A	N/A	Analytical method for detection of residues in foodstuffs
186.	Chen, L., Yin, L., Song, F., Liu, Z., Zheng, Z., Xing, J., Liu, S.	2013b	Determination of pesticide residues in ginseng by dispersive liquid-liquid microextraction and ultra high performance liquid chromatography-tandem mass spectrometry	J Chromatogr B Analyt Technol Biomed Life Sci (2013) Vol. 917-918, pp. 71-7	N	N/A	N/A	Analytical method for detection of residues in foodstuffs
187.	Chen, X., Bian, Z., Hou, H., Yang, F., Liu, S., Tang, G., Hu, Q.	2013c	Development and validation of a method for the determination of 159 pesticide residues in tobacco by gas chromatography-tandem mass spectrometry	J Agric Food Chem (2013) Vol. 61(24), pp. 5746-57	N	N/A	N/A	Analytical detection of residue levels in foodstuffs

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					Y or N	Y, N or N/A	Result of reliability assessment/ Justification if not reliable	
188.	Chen, M., Collins, E.M., Tao, L., Lu, C.	2013d	Simultaneous determination of residues in pollen and high-fructose corn syrup from eight neonicotinoid insecticides by liquid chromatography-tandem mass spectrometry	Analytical and Bioanaytical Chemistry (2013) Vol. 405(28), pp. 9251-9264	N	N/A	N/A	Analytical method for detection of residues in pollen and fructose syrup
189.	Chen, X.K., Xia, X.M., Wang, H.Y., Kang, Q., Wang, K.Y.	2013e	Cross-resistance to clothianidin and acetamiprid in the imidacloprid-resistant strain of Aphis gossypii (Hemiptera: Aphididae) and the related enzyme mechanisms	Acta Entomologica Sinica (2013) Vol. 56.10, pp. 1143-1151	N	N/A	N/A	Insecticide resistance study
190.	Chen, L., Song, F., Liu, Z., Zheng, Z., Xing, J., Liu, S.	2014	Study of the ESI and APCI interfaces for the UPLC-MS/MS analysis of pesticides in traditional Chinese herbal medicine	Anal Bioanal Chem. (2014) Vol. 406(5), pp. 1481-91	N	N/A	N/A	Analytical method for detection of pesticides in Chinese herbal medicine
191.	Cheng, Z.	2007	New generation insecticide of nicotine group which has replaced the pesticide of severe toxicity	Shanghai Huagong (2007) Vol. 32(9), pp. 27-29	N	N/A	N/A	Development of imidacloprid
192.	Cheng, M.	2010	Analysis of buprofezin and acetamiprid 30% WP by UPLC	Shijie Nongyao (2010) Vol. 32(2), pp. 33-35	N	N/A	N/A	Analysis of PPP formulations
193.	Chiu, Y.C., Shyu, M.Y., Wang, C.L.	2005	Toxicity of insecticides to Solenopsis invicta and S-geminata	Plant Protection Bulletin (Taichung) (2005) Vol. 47(4), pp. 371-378	N	N/A	N/A	Efficacy/ insecticide toxicity study
194.	Choate, B., Drummond, F.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) Vol. 106.2, pp. 716-726	N	N/A	N/A	Effects of insecticides and vegetation on ant populations

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195.	Choi, B.R., Park, H.M., Kim, J.H., Lee, S.W.	2007	Evaluation of low toxic and residual toxicity of pesticides registered in sweet pepper greenhouse to Orius strigocollis	Korean Journal of Applied Entomology (2007) Vol. 46(3), pp. 415-423	N	N/A	N/A	Efficacy study
196.	Chong, J-H., Hidges, G.S., Samuel-Foo, M.	2009	First record and management of the Armored Scale, Melanspis deklie Dietz & Davidson (Hemiptera: Diaspididae) in South Carolina	Journal of Agricultural and Urban Entomology (2009) Vol. 26(2), pp. 63-75	N	N/A	N/A	Efficacy/ agronomy study
197.	Chuang, Y-Y., Hou, R.F.	2008	Effectiveness of attract-and-kill systems using methyl eugenol incorporated with neonicotinoid insecticides against the oriental fruit fly (Diptera : Tephritidae)	Journal of Economic Entomology (2008) Vol. 101(2), pp. 352-359	N	N/A	N/A	Efficacy study
198.	Cichón, L.B., Soleño, J., Anguiano, O.L., Garrido, S.A.S., Montagna, C.M.	2013	Evaluation of cytochrome P450 activity in field populations of Cydia pomonella (Lepidoptera: Tortricidae) resistant to azinphosmethyl, acetamiprid, and thiacloprid	Journal of Economic Entomology (2013) Vol. 106.2, pp. 939-44	N	N/A	N/A	Effect of cytochrome P450 on insecticide resistance
199.	Claeys, W.L., Schmit, J-F., Bragard, C., Maghuin-Rogister, G., Pussemier, L., Schiffers, B.	2011	Exposure of several Belgian consumer groups to pesticide residues through fresh fruit and vegetable consumption	Food Control (2011) Vol. 22(3-4), pp. 508-516	N	N/A	N/A	Consumer exposure to residues through fruit and vegetable consumption
200.	Cloyd, R.A., Chiasson, H.	2007	Activity of an essential oil derived from Chenopodium ambrosioides on greenhouse insect pests	Journal of Economic Entomology (2007) Vol. 100(2), pp. 459-466	N	N/A	N/A	Efficacy study

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201.	Cloyd, R.A., Calle, C.L., Keith, S.R.	2007	Greenhouse pesticide mixtures for control of silverleaf whitefly (Homoptera: Aleyrodidae) and twospotted spider mite (Acari: Tetranychidae)	Journal of Entomological Science (2007) Vol. 42(3), pp. 375-382	N	N/A	N/A	Efficacy study
202.	Collins, J.A., Drummond, F.A.	2010	Blueberry flea beetle control, 2009	Arthropod Management Tests (2010) Vol. 35, pp. C4	N	N/A	N/A	Efficacy study
203.	Colwell, C.K., Lorenz, G.M. III, Fortner, J., Taillo, N., VonKanel, B.	2011	Efficacy of selected insecticides for control of plant bugs in Arkansas, 2010	Research Series – Arkansas Agricultural Experiment Station (2011) Vol. 589, pp. 149-154	N	N/A	N/A	Efficacy study
204.	Cordero, R.J., Kuhar, T.P.	2007	Insecticide susceptibility of field-collected Plutella xylostella from Virginia	Resistant Pest Management Newsletter (2007) Vol. 17(1), pp. 21-24	N	N/A	N/A	Insecticide resistance study
205.	Cordero, R.J., Kuhar, T.P., Speese, J., Youngman, R.R., Lewis, E.E., Bloomquist, J.R., Kok, L.T., Bratsch, A.D.	2006	Field efficacy of insecticides for control of lepidopteran pests on collards in Virginia	Plant Health Progress (2006) January, pp. 1-9	N	N/A	N/A	Efficacy study
206.	Coscolla, C., Yusa, V., Isabel beser, M., Pastor, A.	2010	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 (2010) Vol. 1216(51), pp. 8817-8827	N	N/A	N/A	Analytical method for detection of pesticides in airborne particulate matter
207.	Çota, E.	2011	IPM of aphids in vegetable field crops in Albania (2011) Vol. 65, pp. 13-16	IOBC/WPRS Bulletin (2011) Vol. 65, pp. 13-16	N	N/A	N/A	IPM study

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					Y or N	Y, N or N/A	Result of reliability assessment/ Justification if not reliable	
208.	Cui, W.Q., Jin, H.Y., Li, C.P., Tian, Z.Y., Zhang, X.L., Cao, X.M.	2010	Initial report about control effect of six insecticides against Bemisia tabaci (Gennadius) on cucumber plants	China Vegetables (2010) Vol. 4, pp. 78-80	N	N/A	N/A	Efficacy study
209.	Cui, Z., Han, C., Li, H.	2011	Dual-signal fenamithion probe by combining fluorescence with colorimetry based on Rhodamine B modified silver nanoparticles	Analyst (2011) Vol. 136(7), pp. 1351-6	N	N/A	N/A	Analytical method for detection of fenamithion
210.	Cung, B.K.	2010	Seasonal occurrences and timing for chemical control of Rhopalosipnum rufiandominalis (Sasaki) (Homoptera: Aphididae) in Japanese apricot	Korean Journal of Applied Entomology (2010) Vol. 49(3), pp. 261-264	N	N/A	N/A	Efficacy study
211.	Čuš, F., Česnik, H.B., Bolta, Š.V., Gregorčič, A.	2010a	Pesticide residues and microbiological quality of bottled wines	Food Control (2010) Vol. 21(2), pp. 150-154	N	N/A	N/A	Analytical detection of residue levels in foodstuffs
212.	Čuš, F., Česnik, H.B., Bolta, S.V., Gregorčič, A.	2010b	Pesticide residues in grapes and during vinification process	Food Control (2010) Vol. 21(11), pp1512-18	N	N/A	N/A	Analytical detection of residue levels in foodstuffs
213.	Cuthbertson, A.G.S., Buxton, J.H., Blackburn, L.F., Mathers, J.J., Robinson, K.A., Powell, M.E., Fleming, D.A., Bell, H.A.	2012	Eradicating Bemisia tabaci Q biotype on poinsettia plants in the UK	Crop Protection (2012) Vol. 42, pp. 42-48	N	N/A	N/A	Efficacy study

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					Y or N	Y, N or N/A	Result of reliability assessment/ Justification if not reliable	
214.	Daborn, P.J., Lumb, C., Harrop, T.W., Blasetti, A., Pasricha, S., Morin, S., Mitchell, S.N., Donnelly, M.J., Müller, P., Batterham, P.	2012	Using Drosophila melanogaster to validate metabolism-based insecticide resistance from insect pests	Insect Biochem Mol Biol. (2012) Vol. 42(12), pp. 918-24	N	N/A	N/A	Insecticide resistance study
215.	Dahal, D., Medda, P.S., Ghosh, J.	2009	Seasonal incidence and control of black fly (Aleurocanthus rugosa Singh) infesting betelvine (Piper belle L)	Journal of Crop and Weed (2009) Vol. 5(1), pp. 261-266	N	N/A	N/A	Efficacy study
216.	Dai, Y., Zhao, Y., Zhang, W., Yiu, C., Ji, W., Xu, W., Ni, J., Yuan, S.	2010a	Biotransformation of thianicotinyl neonicotinoid insecticides : Diverse molecular substituents response to metabolism by bacterium Stenotrophomonas maltophilia CGMCC 1.1788	Bioresource Technology (2010) Vol. 101(11), pp. 3838-3843	N	N/A	N/A	Bacterial biotransforma-tion of neonicotinoids
217.	Dai, Y-J., Ji, W-W., Chen, T., Zhang, W-J., Liu, Z-H., Ge, F., Yuan, S.	2010b	Metabolism of the neonicotinoid insecticides acetamiprid and thiacloprid by the yeast Rhodotorula mucilaginosa strain IM-2	Journal of Agricultural and Food Chemistry (2010) Vol. 58(4), pp. 2419-25	N	N/A	N/A	Metabolism of neonicotinoids by yeast
218.	Dang, Z., Gao, Z., Li, Y., Yuan, W., Yuan, L., Shen, Y., Wang, J., Pan, W.	2009	Evaluation on toxicity of 17 insecticides against Agriotes fuscicollis Miwa	Nongyao (2009) Vol. 48(3), pp. 213-214, 232	N	N/A	N/A	Efficacy/ insecticide toxicity study
219.	Daraghmeh, A., Shrian, A., Abulhaj, S., Sansour, R., Ng, J.C.	2007	Imidacloprid residues in fruits, vegetables and water samples from Palestine	Environmental Geochemistry and Health (2007) Vol. 29(1), pp. 45-50	N	N/A	N/A	Analytical detection of imidacloprid residues

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					Y or N	Y, N or N/A	Result of reliability assessment/ Justification if not reliable	
220.	Darriet, F., Chandre, F.	2013	Efficacy of six neonicotinoid insecticides alone and in combination with deltamethrin and piperonyl butoxide against pyrethroid-resistant Aedes aegypti and Anopheles gambiae (Diptera: Culicidae)	Pest Management Science (2013) Vol. 69.8, pp. 905-910	N	N/A	N/A	Efficacy study
221.	Dash, A.N., Behera, S.N., Sasmal, A., Dash, S.K.	2008a	Efficacy of some newer insecticides and commercial neem formulations against rice leafhoppers	Environment and Ecology (2008) Vol. 26(1), pp. 215-218	N	N/A	N/A	Efficacy study
222.	Dash, A.N., Mishra, P.R., Behera, S.N., Mukherjee, S.K., Samal, A.	2008b	Field efficacy of some newer insecticides and commercial neem formulations against the planthoppers of rice	Journal of Plant Protection and Environment (2008) Vol. 5(2), pp. 12-15	N	N/A	N/A	Efficacy study
223.	Dashtbozorgi, Z., Ramezani, M.K., Waqif-Husain, S.	2013	Optimization and validation of a new pesticide residue method for cucumber and tomato using acetonitrile-based extraction-dispersive liquid-liquid microextraction followed by liquid chromatography-tandem mass spectrometry	Anal. Methods (2013) Vol. 5, pp. 1192-1198	N	N/A	N/A	Analytical method for detection of pesticide residues in foodstuffs
224.	Dawson, A.H., Eddleston, M., Senarathna, L., Mohamed, F., Gwarammana, I., Bowe, S.J., Manuweera, G., Buckley, N.A.	2010	Acute human lethal toxicity of Agricultural pesticides: a prospective cohort study	PLoS Medicine (2010) Vol. 7, No. 10	N	N/A	N/A	Toxicity of PPP formulations in populations

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225.	de Araujo Trindade, M.S., de Sousa, A.H., Maracaja, P.B., Sales, R., de Andrade, W.G.	2007	Aqueous extracts and oil of neem combined with neonicotinoid insecticides against Bemisia tabaci biotype B in melon	Ciencia Rural (2007) Vol. 37(6), pp. 1798-1800	N	N/A	N/A	Efficacy study
226.	DeGrandi-Hoffman, G., Sammataro, D., Simonds, R.	2012	Are agrochemicals present in high fructose corn syrup fed to honey bees (Apis mellifera L.)?	Journal of Agricultural Research (2012) Vol. 51(4), pp. 371-372	N	N/A	N/A	Presence of pesticides in high fructose corn syrup fed to bees
227.	Dehghani, M., Ahmadi, K.	2012	Influence of methanolic extract of Melia azedarach and acetamiprid on mortality and developmental time of greenhouse whitefly Trialeurodes vaporariorum	Julius-Kühn-Archiv (2012) Vol. 438, pp. 392-393	N	N/A	N/A	Efficacy study
228.	Dehghani, M., Ahmadi, K.	2013	Influence of some plant extracts and commercial insecticides on the eggs of Trialeurodes vaporariorum Westwood (Homoptera: Aleyrodidae).	Archives of Phytopathology and Plant Protection (2013) Vol. 46.10, pp. 1127-1135	N	N/A	N/A	Efficacy study
229.	Dehghani, M., Ahmadi, K., Zohdi, H.	2012	Evaluation of some plant extracts and conventional insecticides against Trialeurodes vaporariorum (westwood) (Homoptera: Aleyrodidae) in greenhouse condition	Munis Entomology & Zoology (2012) Vol. 7.2, pp. 828-836	N	N/A	N/A	Efficacy study
230.	Delgado, M.	2013	Cherry fruit fly: Anticipating the fight in each plot	Arboriculture Fruitière (2013) Vol. 674, pp. 23-25	N	N/A	N/A	Efficacy study

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231.	Dell'Arciprete, M.L., Santos-Jaunes, L., Arques, A., Vicente, R, Amat, A.M., Furlong, J.P., Mártire, D.O., Gonzalez, M.C.	2009	Reactivity of hydroxyl radicals with neonicotinoid insecticides: mechanisms and changes in toxicity	Photochemical & Photobiological Sciences (2009) Vol. 8(7), pp. 1016-1023	N	N/A	N/A	Reactivity of hydroxyl radicals with neonicotinoid insecticides
232.	Dell'Arciprete, M.L., Santos-Jaunes, L., Arques, A., Vercher, R.F., Amat, A.M., Furlong, J.P., Martire, D.O., Gonzalez, M.C.	2010	Reactivity of neonicotinoid pesticides with singlet oxygen	Catalysis Today (2010) Vol. 151(1-2), pp. 137-142	N	N/A	N/A	Reactivity of neonicotinoids with singlet oxygen
233.	Dell'Arciprete, M.L., Cobos, C.J., Mártire, D.O., Furlong, J.P., Gonzalez, M.C.	2011	Reaction kinetics and mechanisms of neonicotinoid pesticides with sulfate radicals	New Journal of Chemistry (2011) Vol. 35(3), pp. 672-680	N	N/A	N/A	Reaction kinetics and mechanisms of neonicotinoids with sulphate radicals
234.	Dell'Arciprete, M.L., Soler, J.M., Santos-Juanes, L., Arques, A., Martire, D.O., Furlong, J.P., Gonzalez, M.C.	2012	Reactivity of neonicotinoid insecticides with carbonate radicals	Water Research (2012) Vol. 46.11, pp. 3479-3489	N	N/A	N/A	Research paper; not relevant
235.	Deng, G.M., Le, Q., Cai, Z.X.	2007	Occurrence of Eriococcus kaki and its control	Chinese Bulletin of Entomology (2007) Vol. 44(5), pp. 726-730	N	N/A	N/A	Efficacy study
236.	Dennehy, T.J., DeGain, B.A., Harpold, G., Brown, J.K., Byrne, F.J., Morin, S., Nichols, R.	2006	First New World report of Q biotype of Bemisia tabaci (Gennadius) reveals high levels of resistance to insecticides	Resistant Pest Management Newsletter (2006) Vol. 15(2), pp. 18-20	N	N/A	N/A	Insecticide resistance study

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					Y or N	Y, N or N/A	Result of reliability assessment/ Justification if not reliable	
237.	Dennehy, T.J., Degain, B.A., Harpold, V.S., Zaborac, M., Morin, S., Fabrick, J.A., Nichols, R.L., Brown, J.K., Byrne, F.J., Li, X.	2010	Extraordinary resistance to insecticides reveals exotic Q biotype of Bemisia tabaci in the New World	Journal of Economic Entomology (2010) Vol. 103(6), pp. 2174-2186	N	N/A	N/A	Insecticide resistance study
238.	Deshmukh, M., Shripanavar, C.	2011	Synthesis of N'carbamoyl-N-(6-chloropyridin-3-yl)methylethanimidamide	Journal of Chemical and Pharmaceutical Research (2011) Vol. 3(5), pp. 636-637	N	N/A	N/A	Synthesis of N'carbamoyl-N-(6-chloro pyridin-3-yl) methylethanimidamide
239.	Deshpande, P.P., Deshmukh, A.J., Sawai, H.R.	2010	Economic viability of insecticides against Leucinodes orbonalis (Guen.) on brinjal	Journal of Soils and Crops (2010) Vol. 20(1), pp. 140-143	N	N/A	N/A	Economic viability of insecticides against *L. orbonalis*
240.	Devaki, K., Krishna, T.M., Rao, A.R., Ramaiah, M., Prasanthi, L., Reddy, K.R.	2011	Management of pod sucking bug complex in cowpea	Annals of Plant Protection Sciences (2011) Vol. 19(2), pp. 454-455	N	N/A	N/A	Efficacy study
241.	Devi, R.S., Reddy, K.D. Rao, M.S.	2012	Development and validation of integrated pest management modules for Bt cotton	Research On Crops (2012) Vol. 13.2, pp. 603-607	N	N/A	N/A	IPM in cotton
242.	Dewer, Y., Abdel-Razak, S., Barakat, A.	2012	Comparative efficacy of some insecticides against purple scale insect, Lepidosaphes beckii (Hemiptera: Coccoidea) and its parasitoid in citrus orchard in Egypt.	Egyptian Academic Journal of Biological Sciences: Entomology (2012) Vol. 5.3, pp. 121-127	N	N/A	N/A	Efficacy study

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					Y or N	Y, N or N/A	Result of reliability assessment/ Justification if not reliable	
243.	Dhaka, S.S., Singh, G., Mailk, Y.P.S., Kumar, A.	2009	Efficacy of new insecticides against mustard aphid, Lipaphis erysimi (Kalt.)	Journal of Oilseeds Research (2009) Vol. 26(2), p. 172	N	N/A	N/A	Efficacy study
244.	Dhanalakshmi, D.N., Mallapur, C.P.	2010	Evaluation of new promising molecules against fruit borers in okra	International Journal of Plant Protection (2010) Vol. 3(2), pp. 268-270	N	N/A	N/A	Efficacy study
245.	Dhar, P., Kaur, G.	2009	Compatibility of the entomopathogenic fungi, Beauveria bassiana and Metarhizium anisopliae with neonicotinoid insecticide, acetamiprid	Journal of Entomological research (2009) Vol. 33(3), pp. 195-202	N	N/A	N/A	Effects on fugal growth
246.	Dharne, P.K., Kabre, G.B.	2009	Bio efficacy of ready mixture of indoxacarb 14.5+acetamiprid 7.7 SC (RIL-042 222 SC) against sucking pests and fruit borer on chilli	Karnataka Journal of Agricultural Sciences (2009) Vol. 22(3), pp. 585-587	N	N/A	N/A	Efficacy study
247.	Dhawan, A.K., Singh, S., Kumar, S., Kumar, T.	2007	Impact of insecticide resistance management (IRM) strategy on insecticide use pattern during different growth stages of irrigated cotton in Punjab.	Pesticide Research Journal (2007) Vol. 19(1), pp. 67-72	N	N/A	N/A	Insecticide resistance study
248.	Dhawan, A.K., Saini, S., Aneja, A.	2008	Relative toxicity of different insecticides against cotton aphid Aphis gossypii Glover	Environment and Ecology (2008) Vol. 26(4B), pp. 2067-2069	N	N/A	N/A	Efficacy study
249.	Dhawan, A.K., Singh, S., Kumar, S.	2009	Integrated Pest Management (IPM) helps reduce pesticide load in cotton	Journal of Agricultural Science and Technology (2009) Suppl. S 11.5, pp. 599-611	N	N/A	N/A	Efficacy study

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250.	Di Muccio, A., Fidente, P., Barbini, D.A., Dommarco, R., Seccia, S., Morrica, P.	2006	Application of solid-phase extraction and liquid chromatography-mass spectrometry to the determination of neonicotinoid pesticide residues in fruit and vegetables	Journal of Chromatography A (2006) Vol. 1108(1), pp. 1-6	N	N/A	N/A	Analytical detection of residues in foodstuffs
251.	Dias, C.M., Oliveria, F.A., Madureira, F.D., Silva, G., Souza, W.R., Cardeal, Z.L.	2013	Multi-residue method for the analysis of pesticides in Arabica coffee using liquid chromatography/tandem mass spectrometry	Food Addit Contam Part A Chem Anal Control Expo Risk Assess (2013) Vol. 30(7), pp. 1308-15	N	N/A	N/A	Analytical detection of residues in foodstuffs
252.	Díaz, R., Ibáñez, M., Sancho, J.V., Hernández, F.	2011	Building an empirical mass spectra library for screening of organic pollutants by ultra-high-pressure liquid chromatography/hybrid quadrupole time-of-flight mass spectrometry	Rapid Commun Mass Spectrom. (2011) Vol. 25(2), pp. 355-69	N	N/A	N/A	Empirical mass spectra library for screening of organic pollutants
253.	Diaz, R., Ibáñez, M., Sancho, J.V., Hernández, F.	2013	Qualitative validation of a liquid chromatography-quadrupole-time of flight mass spectrometry screening method for organic pollutants in waters	J Chromatogr A. (2013) Vol. 1276, pp. 47-57	N	N/A	N/A	Analytical method for the detection of organic pollutants in water
254.	Ding, T., Lavine, B.K.	2011	Separation of imidacloprid and its degradation products using reversed phase liquid chromatography with water rich mobile phases	J Chromatogr A. (2011) Vol. 1218(51), pp. 9221-9226	N	N/A	N/A	Analytical method for the separation of imidacloprid and its degradation products

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					Y or N	Y, N or N/A	Result of reliability assessment/ Justification if not reliable	
255.	Ding, Y., Yu, X.Y., Ren, L.Y., Liu, X.J.	2011a	Degradation rule of acetamiprid in soil	Jiangsu Journal of Agricultural Sciences (2011) Vol. 27(5), pp. 1165-1166	N	N/A	N/A	No abstract available to determine relevance
256.	Ding, T., Jacobs, D., Lavine, B.K.	2011b	Liquid chromatography-mass spectrometry identification of imidacloprid photolysis products	Microchemical Journal (2011) Vol. 99(2), pp. 535-541	N	N/A	N/A	Analytical identification of imidacloprid photolysis products
257.	Djordjevic, J., Trtic-Petrovic, T., Kumric, K., Purenovic, M.	2010	Application of ACD/LABS 12 program for determination of conditions for experimental membrane extraction of pesticides	Hemijska Industrija (2010) Vol. 64(3) pp. 221-225	N	N/A	N/A	Research paper; not relevant
258.	Doerr, M.D., Brunner, J.F., Smith, T.J.	2008	Biology and management of bark beetles (Coleptera: Curculionidae) in Washington cherry orchards	Journal of the Entomological Society of British Columbia (2008) Vol. 105, pp. 69-81	N	N/A	N/A	Efficacy study
259.	Doffou, N.M., Ochou, O.G., Kouassi, P.	2011	Susceptibility of Pectinophora gossypiella (Lepidoptera: Gelechiidae) and Cryptophlebia leucotreta (Lepidoptera: Tortricidae) to insecticides used on cotton crops in Côte d'Ivoire, West Africa. Implications in insecticide resistance pest management strategies	Resistant Pest Management Newsletter (2011) Vol. 20(2), pp. 10-15	N	N/A	N/A	Efficacy/ insecticide resistance study
260.	Dong, Y.	2011	Effects of carboprost on prevention of hemorrhage after induced labor with scarred uterus	Journal of Shanghai Jiaoting University (Medical Science) (2011) Vol. 31(8), pp. 1212-1215	N	N/A	N/A	Prevention of hemorrhage after induced labor with scarred uterus

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					Y or N	Y, N or N/A	Result of reliability assessment/ Justification if not reliable	
261.	Dong, J., Pan, Y., Qin, Y., Lu, J., Yu, Q.	2010	Simultaneous determination of 103 pesticide residues using gas chromatography-negative chemical ionization mass spectrometry	Se Pu (2010) Vol. 28(7), pp. 654-63	N	N/A	N/A	Analytical method for the detection of residues in foodstuffs
262.	Dong, Y.W., Bai, W., Li, Y.Z., Xu, C.Y., Fang, F.L., Guo, Z.C.	2011	Study on multiple pesticides by high performance liquid chromatography-mass spectrometry using modified QuEChERS method - a case study on CHM	Advanced Materials Research (2011) Vol. 361-363, pp. 1752-1755	N	N/A	N/A	Analytical method for the detection of residues in foodstuffs
263.	Douglas, T.A., Walsh, M.E., Weiss Jr, C.A., McGrath, C.J., Trainor, T.P.	2012	Desorption and Transformation of Nitroaromatic (TNT) and Nitramine (RDX and HMX) Explosive Residues on Detonated Pure Mineral Phases	Water, Air, & Soil Pollution (2012) Vol. 223(5), pp. 2189-2200	N	N/A	N/A	Environmental fate of explosive residues
264.	Drozodzynski, D.	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) Vol. 15(2), pp. 231-235	N	N/A	N/A	Analytical detection of residues in surface water
265.	Du, F., Liu, G., Luo, X., Hou, S., Li, K., Ren, L., Huang, Q., Mao, Z., Jie, N.	2008	Study on determination of acetamiprid and interaction between acetamiprid and deoxyribonucleic acid by resonance light scattering	Spectroscopy and Spectral Analysis (2009) Vol. 28(6), pp. 1368-1371	N	N/A	N/A	Interaction between DNA and acetamiprid by resonance light scattering
266.	Du, S., Jin, G., Hu, X.	2010	Indirect determination of acetamiprid by the electrochemical method	Fenxi Ceshi Xuebao (2010) Vol. 29(4), pp. 331-335	N	N/A	N/A	Analytical detection of acetamiprid

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					Y or N	Y, N or N/A	Result of reliability assessment/ Justification if not reliable	
267.	Duan, X.D., Zhang, X., Feng, M.X., Ma, D.Y.	2010	Detection and analysis on susceptibility of Bemisia tabaci B biotype to different insecticides in Xinjiang	Xinjiang Agricultural Sciences (2010) Vol. 47(7), pp. 1343-1347	N	N/A	N/A	Efficacy study
268.	Duca, G., Sturza, R., Siretanu, L.	2012	Estimation of organic pesticide residues in wines of Moldova	CLEAN – Soil, Air and Water (2012) Vol. 40(6), pp. 661-666	N	N/A	N/A	Analytical detection of residues in foodstuffs
269.	Dulaurent, S., Moesch, C., Marguet, P., Gaulier, J.M., Lachâtre, G.	2010	Screening of pesticides in blood with liquid chromatography-linear ion trap mass spectrometry	Anal Bioanal Chem. (2010) Vol. 396(6), pp. 2235-49	N	N/A	N/A	Analytical method for screening of pesticides in blood
270.	Dunley, J.E., Brunner, J.F., Doerr, M.D., Beers, E.H.	2006	Resistance and cross-resistance in populations of the leafrollers, Choristoneura rosaceana and Pandemis pyrusana, in Washington apples	Journal of Insect Science (2006) Vol. 6	N	N/A	N/A	Insecticide resistance study
271.	Ecobici, M.M., Biró, T., Alina, P.	2004	Research concerning the chemical control against Psudococcus adonidum L.	Journal of Central European Agriculture (2004) Vol. 5(3), pp. 137-142	N	N/A	N/A	Efficacy study
272.	EFSA	2009a	Modification of the existing MRL for acetamiprid in beet leaves (chard)	EFSA Journal (2009) Vol.7(12), Article 1443	N	N/A	N/A	Acetamiprid MRLs
273.	EFSA	2009b	Modification of the existing MRL for acetamiprid in cress, spinach and herbs	EFSA Journal (2009) Vol.7(3), Article 247r	N	N/A	N/A	Acetamiprid MRLs
274.	EFSA	2010a	Modification of the existing MRL for acetamiprid in cherries	EFSA Journal (2010) Vol. 8(1), Article 1494	N	N/A	N/A	Acetamiprid MRLs

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275.	EFSA	2010b	Modification of the existing MRLs for acetamiprid in land cress and red mustard	EFSA Journal (2010) Vol. 8(6), Article 1463	N	N/A	N/A	Acetamiprid MRLs
276.	EFSA	2010c	Modification of the existing MRLs for acetamiprid in various commodities	EFSA Journal (2010) Vol. 8(11), pp. 1898	N	N/A	N/A	Acetamiprid MRLs
277.	EFSA	2011a	Modification of the current MRLs for acetamiprid in flowering brassica and figs	EFSA Journal (2011) Vol. 9(5), pp. 2166	N	N/A	N/A	Acetamiprid MRLs
278.	EFSA	2011b	Reasoned opinion of EFSA: review of the existing maximum residue levels (MRLs) for acetamiprid according to Article 12 of Regulation (EC) No 396/2005	EFSA Journal (2011) Vol. 9(7), pp. 2328	N	N/A	N/A	Acetamiprid MRLs
279.	EFSA	2012a	Assessment of the scientific information from the Italian project "APENET" investigating effects on honeybees of coated maize seeds with some neonicotinoids and fipronil	EFSA Journal (2012) Vol. 10.62, pp. 2792	N	N/A	N/A	Assessment of scientific data from projects investigating effects of pesticides on bees
280.	EFSA	2012b	Reasoned opinion on the modification of the existing MRLs for acetamiprid in purslane, legume vegetables and pulses (beans and peas).	EFSA Journal (2012) Vol. 10.12, pp. 3051	N	N/A	N/A	Modifications of MRLs
281.	EFSA	2012c	Statement on the findings in recent studies investigating sub-lethal effects in bees of some neonicotinoids in consideration of the uses currently authorised in Europe	EFSA Journal (2012) Vol. 10(6), pp. 2752	N	N/A	N/A	Effects of neonicotinoids on bees

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					Y or N	Y, N or N/A	Result of reliability assessment/ Justification if not reliable	
282.	Elbert, A., Haas, M., Springer, B., Thielert, W., Nauen, R.	2008	Applied aspects of neonicotinoid uses in crop protection	Pest Management Science (2008) Vol. 64(11), pp. 1099-105	N	N/A	N/A	Technical and efficacy aspects of neonicotinoids
283.	Elwan, E.A., Assem, S.M., Khewa, M.M., Shalaby, M.S.I.	2005	Field evaluation of some pesticides for controlling Pulvinaria tenuivalvata (Newstead) (Homoptera: Coccidae) on sugarcane in Kom Ombo District, Aswan governorate.	Egyptian Journal of Agricultural Research (2005) Vol. 83(4), pp. 1669-1679	N	N/A	N/A	Efficacy study
284.	Enea, C., Gontariu, I.	2008	Some aspects concerning the infected plants frequencies with severe viruses, as follow of the interaction between different cultivation measures, at the potato for seeds	Lucrari Stiintifice Universitatea de Stiinte Agricole Si Medicina Veterinara "Ion Ionescu de la Brad" Iasi, Seria Horticultura (2008) Vol. 51, pp. 1037-1042	N	N/A	N/A	Efficacy study
285.	Eremina, O. Yu., Ibragimkhalilova, I.V.	2008	Susceptibility of insect species to neonicotinoids as seen on the examples housefly and German cockroach	Agrokhimiya (2008) No. 11, pp. 60-71	N	N/A	N/A	Efficacy study
286.	Estay, P., Araya, J.E., Araya, M.H.	2005	Toxicity of imidacloprid, acetamiprid, and abamectin on adults of Encarsia formosa (Gahan) (Hymenoptera: Aphelinidae) in the laboratory	Boletin de la S.E.A. (2005) Vol. 37, pp. 369-371	N	N/A	N/A	Efficacy study
287.	Ettiene, G., Bauza, R., Plata, M.R., Contento, A.M., Rios, A.	2012	Determination of neonicotinoid insecticides in environmental samples by micellar electrokinetic chromatography using solid-phase treatments	Electrophoresis (2012) Vol. 33.19-20, pp. 2969-2977	N	N/A	N/A	Analytical method for detection of pesticides in water and soil

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288.	Falta, V., Kneifl, V., Knourková, J.	2005	The use of a 'visual+temperature' method in timing of cherry fruit fly (Rhagoletis cerasi L.) control	Bulletin OILB/SROP (2005) Vol. 28(7), pp. 217-220	N	N/A	N/A	Efficacy study
289.	Fan, W.	2010	The toxicological determination and field efficacy test on different kinds of acaricides against Contarinia pyrivora (Riley)	Beifang Yuanyi (2010) No. 1, pp. 180-181	N	N/A	N/A	Efficacy/ insecticide toxicity study
290.	Fan, J., Shao, X-J., Wei, Y-F., Wang, J-J.	2008	Extraction of imidacloprid and acetamiprid in ionic liquid/aqueous two phase system-sequential injection spectrophotometric analysis	Chinese Journal of Analytical Chemistry (2008) Vol. 36(10), pp. 1411-1414	N	N/A	N/A	Analytical method for extraction and enrichment of pesticides
291.	Fanigliulo, A., Fili, V., Pacella, R., Comes, S., Crescenzi, A.	2009	Teppeki, selective insecticide about Bombus terrestris	Communications in Agricultural and Applied Biological Sciences (2009) Vol. 74(2), pp. 407-410	N	N/A	N/A	Effect of flonicamid on bees
292.	Fantke, P., Juraske, R., Antón, A., Friedrich, R., Jolliet, O.	2011	Dynamic multicrop model to characterize impacts of pesticides in food	Environ Sci Technol. (2011) Vol. 45(20), pp. 8842-9	N	N/A	N/A	Modelling of impacts of pesticides in food
293.	Farroq, A., Tasawar, Z.	2009	Comparative efficacy of five different insecticides against Brevicoryne brassicae (Lin..) (Homoptera: Aphididae), a pest on canola in Southern Punjab, Pakistan	Pakistan Journal of Zoology (2009) Vol. 41(1), pp. 79-81	N	N/A	N/A	Efficacy study

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294.	Fei, H.X., Henderson, G.	2006	Repellency of formosan subterranean termites (Isoptera: Rhinotermitidae) to dead termites and attraction to 2-phenoxyethanol with and without nonrepellent insecticides	Journal of Agricultural and Urban Entomology (2006) Vol. 23.3/4, pp. 159-172	N	N/A	N/A	Efficacy study
295.	Feng, Y., Wu, Q., Wang, S., Chang, X., Xie, W., Xu, B., Zhang, Y.	2010	Cross-resistance study and biochemical mechanisms of thiamethoxam resistance in B-biotype Bemisia tabaci (Hemiptera: Aleyrodidae)	Pest Management Science (2010) Vol. 66(3), pp. 313-8	N	N/A	N/A	Insecticide resistance study
296.	Fenoll, J., Hellín, P., Martínez, C.M., Flores, P.	2009	Multiresidue analysis of pesticides in soil by high-performance liquid chromatography with tandem mass spectrometry	AOAC Int. (2009) Vol. 92(5), pp. 1566-75	N	N/A	N/A	Analytical detection of residues in soil
297.	Fenoll, J., Hellin, P., Martinez, C.M., Flores, P.	2010	Multiresidue analysis of pesticides in vegetables and Citrus fruits by LC-MS-MS	Chromatographia (2010) Vol. 72(9-10), pp. 857-866	N	N/A	N/A	Analytical detection of residues in foodstuffs
298.	Fernandez-Perea, M.T., Prados, E.A., Villajos, A.N., Prados, J.L., Baudin, J.M.G.	2009	Influence on avian reproduction ecotoxicological endpoints in the assessment of plant protection products	Journal of Environmental Science and Health, Part B: Pesticides, Food Contaminants and Agricultural Wastes (2009) Vol. 44(2), pp. 106-112	N	N/A	N/A	Statistical relevance of bird species on the endpoints of avian long-term toxicity studies
299.	Ferrer, I., García-Reyes, J.F., Mezcua, M., Thurman, E.M., Fernánndez-Alba, A.R.	2005a	Multi-residue pesticide analysis in fruits and vegetables by liquid chromatography-time-of-flight mass spectrometry	J Chromatogr A. (2005) Vol. 1082(1), pp. 81-90.	N	N/A	N/A	Analytical method for detection of residues in foodstuffs

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					Y or N	Y, N or N/A	Result of reliability assessment/ Justification if not reliable	
300.	Ferrer, I., Thurman, E.M., Fernandez-Alba, A.R.	2005b	Quantitation and accurate mass analysis of pesticides in vegetables by LC/TOF-MS	Analytical Chemistry (2005) Vol. 77(9), pp. 2818-2825	N	N/A	N/A	Analytical detection of residues in foodstuffs
301.	Fidente, P., Seccia, S., Vanni, F., Morrica, P.	2005	Analysis of nicotinoid insecticides residues in honey by solid matrix partition clean-up and liquid chromatography-electrospray mass spectrometry	Journal of Chromatography A (2005) Vol. 1094(1-2), pp. 175-178	N	N/A	N/A	Analytical method for detection of residues in foodstuffs
302.	Fitzgerald, J.	2004	Laboratory bioassays and field evaluation of insecticides for the control of Anthonomus rubi, Lygus rugulipennis and Chaetosiphon fragaefolii, and effects on beneficial species, in UK strawberry production	Crop Protection (2004) Vol. 23(9), pp. 801-809	N	N/A	N/A	Efficacy study
303.	Fitzgerald, J., Jay, C.	2011	Chemical control of the European tarnished plant bug, Lygus rugulipennis, on strawberry in the UK	Crop Protection (2011) Vol. 30(9), pp. 1178-1183	N	N/A	N/A	Efficacy study
304.	Fonseca, P.R.B. da, Bertoncello, T.F., Ribeiro, J.F., Fernandes, M.G., Degrande, P.E.	2008	Selectivity of insecticides to natural enemies on soil cultivated with cotton	Pesquisa Agropecuária Tropical (2008) Vol. 38(4), pp. 304-309	N	N/A	N/A	Efficacy study
305.	Fonseca, P.R.B. da, Lima Juniro, I.S. de, Soria, M.F., Kodama, C., Degrande, P.E.	2011	Neonicotinoid insecticides for boll weevil Anthonomus grandis (Boheman, 1843) (Coleptera: Curculionidae) control and the control failure of endosulfan	Arquivos do Instituto Biológico (São Paulo) (2011) Vol. 78(4), pp. 545-551	N	N/A	N/A	Efficacy study

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306.	Ford, K.A.	2013	Role of electrostatic potential in the in silico prediction of molecular bioactivation and mutagenesis	Molecular Pharmaceutics (2013) Vol. 10.4, pp. 1171-1182	N	N/A	N/A	Prediction of bioactivation and mutagenesis
307.	Ford, K.A., Casida, J.E.	2006	Chloropyridinyl neonicotinoid insecticides: Diverse molecular substituents contribute to facile metabolism in mice	Chemical Research in Toxicology (2006) Vol. 19(7), pp. 944-951	N	N/A	N/A	
308.	Ford, K.A., Casida, J.E.	2007	Unique and common metabolites of thiamethoxam, clothianidin, and dinotefuran in mice	Chemical research in toxicology (2007) Vol. 19(11), pp. 1549-56	N	N/A	N/A	Metabolism of neonicotinoids (acetamiprid not considered)
309.	Ford, K.A., Gulevich, A.G., Swenson, T.L., Casida, J.E.	2011	Neonicotinoid insecticides: Oxidative stress in plants and metallo-oxidase inhibition	Journal of Agricultural and Food Chemistry (2011) Vol. 59(9), pp. 4860-4867	N	N/A	N/A	Effects of neonicotinoids on plant stress and metallo-oxidase inhibition
310.	Fountain, M.T., Harris, A.L., Xu, X., Cross, J.V.	2012	Timing and efficacy of insecticides for control of mussel scale, Lepidosaphes ulmi, on apple using predictive models	Crop Protection (2012) Vol. 31.1, pp. 58-66	N	N/A	N/A	Efficacy study
311.	Francis, M.I., Redondo, A., Burns, J.K., Graham, J.H.	2009	Soil application of imidacloprid and related SAR-inducing compounds produces effective and persistent control of citrus canker	European Journal of Plant Pathology (2009) Vol. 12492), pp. 283-292	N	N/A	N/A	Efficacy study
312.	Frank, S.D.	2012	Reduced risk insecticides to control scale insects and protect natural enemies in the production and maintenance of urban landscape plants	Environmental Entomology (2012) Vol. 41.2, pp. 377-386	N	N/A	N/A	Efficacy study

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					Y or N	Y, N or N/A	Result of reliability assessment/ Justification if not reliable	
313.	Frank, S.D., Lebude, A.	2011	Season-long insecticide efficacy for Hemlock Woolly Adelgid, Adelges tsugae (Hemiptera: Adelgidae) management in nurseries	Florida Entomologist (2011) Vol. 94(2), pp. 290-295	N	N/A	N/A	Efficacy study
314.	Frenich, A.G., Vidal, J.L., López, T.L., Aguado, S.C., Salvador, I.M.	2004	Monitoring multi-class pesticide residues in fresh fruits and vegetables by liquid chromatography with tandem mass spectrometry	J Chromatogr A. (2004) Vol. 1048(2), pp. 199-206	N	N/A	N/A	Analytical method for detection of residues in foodstuffs
315.	Fritzen, A., Haas, A., Jansen, S., Jordan, B., Neubauer, C.	2012	Effect of insecticides against adults of vine weevil Otiorhynchus sulcatus	Julius-Kühn-Archiv (2012) Vol. 438, pp. 354	N	N/A	N/A	Efficacy study
316.	Fuentes-Contreras, E., Basoalto, E., Sandoval, C., Pavez, P., Leal, C., Burgos, R., Muñoz, C.	2007	Evaluation of efficacy, residual and knock down effects of pretransplant applications of nicotinoid and nicotinoid-pyrethroid insecticide mixtures for the control of Myzus persicae nicotianae (Hemiptera : Aphididae) on tobacco	Agricultura Ténica (2007) Vol. 67(1), pp. 16-22	N	N/A	N/A	Efficacy study
317.	Fujita, M., Yajima, T., Iijima, K., Sato, K.	2012a	Comparison of the variability in the levels of pesticide residue observed in Japanese cabbage and grape units	Journal of Agricultural and Food Chemistry (2012) Vol. 60.6, pp. 1516-1521	N	N/A	N/A	Analytical detection of residues in foodstuffs
318.	Fujita, M., Yajima, T., Iijima, K., Sato, K.	2012b	Effect of sampling size on the determination of accurate pesticide residue levels in Japanese agricultural commodities	Journal of Agricultural and Food Chemistry (2012) Vol. 60.18, pp. 4457-4464	N	N/A	N/A	Analytical detection of residues in foodstuffs

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319.	Fukui, N., Takatori, S., Kitagawa, Y., Okihashi, M., Nakatsuji, N., Nakayama, Y., Kakimoto, Y., Obana, H.	2012	Application of a rapid and simple multi-residue method for determination of pesticide residues in drinking water and beverages using liquid chromatography-tandem mass spectrometry	Shokuhin Eiseigaku Zasshi. (2012) Vol. 53(4), pp. 183-93	N	N/A	N/A	Analytical method for the detection of residues in drinking water and foodstuffs
320.	Funada, K., Takei, F., Ozawa, S., Kato, T., Matsuoka, H., Watanabe, Y., Ozawa, Y., Nakajima, T.	2011	Pesticide residues in pre-shipment agricultural products grown in Gunma Prefecture	Igaku to Seibutsugaku (2011) Vol. 155(5), pp. 249-260	N	N/A	N/A	Pesticide residues survey
321.	Funayama, K., Ohsumi, S.	2007	Control effect of neonicotinoid insecticides on apple leaf miner, Phyllonorycter ringoniella (Lepidoptera: Gracillariidae).	Annual Report of the Society of Plant Protection of North Japan (2007) Vol. 58, pp. 156-158	N	N/A	N/A	Efficacy study
322.	Gaal, F.F., Guzsvany, V.J., Bjelica, L.J.	2007	Determination of various insecticides and pharmaceuticals using differently modified glassy carbon electrodes	J. Serb. Chem. Soc. (2007) Vol. 72(12), pp. 1465-1475	N	N/A	N/A	Analytical detection of pesticides
323.	Galande, S.M., Ankali, S.M., Bhoi, P.G.	2005	Evaluation of newer chemicals against woolly aphid, Ceratovacuna lanigera Zehntner on sugarcane	Journal of Applied Zoological Researches (2005) Vol. 16(2), pp. 188-189	N	N/A	N/A	Efficacy study
324.	Galietta, G., Egana, E., Gemelli, F., Maeso, D., Casco, N., Conde, P., Nunez, S.	2011	Pesticide dissipation curves in peach, pear and tomato crops in Uruguay	Journal of Environmental Science and Health. Part B. Pesticides, Food Contaminants, and Agricultural Wastes (2011) Vol. 46(1), pp. 35-40	N	N/A	N/A	Analytical detection of residues in foodstuffs

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325.	Ganapathy, T., Karuppiah, R.	2004	Evaluation of new insecticides for the management of whitefly (Bemisia tabaci Genn.), mungbean yellow mosaic virus (MYMV) and urdbean leaf crinkle virus (ULCV) diseases in mungbean (Vigna radiata (L.) Wilezek)	Indian Journal of Plant Protection (2004) Vol. 32(1), pp. 35-38	N	N/A	N/A	Efficacy study
326.	Ganguly, S.	2013	Long term exposure to chemicals, insecticides and heavy metals causing toxicity: a review	International Journal of Pharmaceutical Research and Bio-Science (2013) Vol. 2(3), pp. 333-342	N	N/A	N/A	Long term exposure to chemicals, insecticides and heavy metals
327.	Gangwal, S., Reif, D.M., Mosher, S., Egeghy, P.P., Wambaugh, J.F., Judson, R.S., Hubal, E.A.	2012	Incorporating exposure information into the toxicological prioritization index decision support framework	Sci Total Environ (2012) Vol. 435-436, pp. 316-25	N	N/A	N/A	Development of the Toxicological Prioritization Index
328.	Gao, Z.L., Li, Y.F., Dang, Z.H., Pan, W.L.	2008	A study on the development of Aphis gossypii resistance to imidacloprid etc. in the different areas of Hebei province	Journal of Agricultural University of Hebei (2008) Vol. 31(3), pp. 81-84	N	N/A	N/A	Efficacy study
329.	Garrido Frenich, A., Martín Fernández, Mdel, M., Díaz Moreno, L., Martínez Vidal, J.L., López-Gutiérrez, N.	2012	Multiresidue pesticide analysis of tuber and root commodities by QuEChERS extraction and ultra-performance liquid chromatography coupled to tandem mass spectrometry	J AOAC Int. (2012) Vol. 95(5), pp. 1319-30	N	N/A	N/A	Analytical detection of residues in foodstuffs

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330.	García-Reyes, J.F., Gilbert-López, B., Molina-Díaz, A., Fernández-Alba, A.R.	2008	Determination of pesticide residues in fruit-based soft drinks	Anal Chem. (2008) Vol. 80(23), pp. 8966-74	N	N/A	N/A	Analytical detection of residues in foodstuffs
331.	Ge, Y.M., Zhao, S.X., Huang, J.Y., Yi, Q.H.	2005	Control index of Alisma orientale (Sam.) Juzep. damaged by Rhopalosiphum nymphaeae L and the field trial of the pesticide efficacy	Acta Agriculturae Universitatis Jiangxiensis (2005) Vol. 27(6), pp. 847-851	N	N/A	N/A	Efficacy study
332.	Geissler, T., Wessjohann, L.A.	2011	A whole-plant microtiter plate assay for drought stress tolerance-inducing effects	Journal of Plant Growth Regulation (2011) Vol. 30(4), pp. 504-511	N	N/A	N/A	Assay for identifying drought-tolerance chemicals
333.	Gengotti, S., Censi, D.	2008	Evaluation of different insecticides against aphids (aphis fabae) on open field silver beet in Emilia-Romagna Region (Italy)	In Giornate Fitopatologiche 2008, Cervia (RA), 12-14 marzo 2008, Volume 1 , by Gengotti, S, Censi, D, 275-278. Bologna, Italy:Università di Bologna, 2008	N	N/A	N/A	Efficacy study
334.	Gengotti, S., Censi, D., Gradassi, E.	2006	Control of whiteflies on tomato under protected cultivation	Informatore Agrario (2006) Vol. 62(17), pp. 103-106	N	N/A	N/A	Efficacy study
335.	Getty, G.M., Richman, D., Taylor, R.L., Lewis, V.R.	2009	Product testing for the treatment of argentine ants (Linepithema humile) in southern California	Sociobiology (2009) Vol. 54(3), pp. 939-942	N	N/A	N/A	Efficacy study
336.	Ghosh, A., Samanta, A., Chatterjee, M.L.	2009a	Evaluation of some insecticides on brown plant hopper Nilaparvata lugens (Stal.) and its predators in rice	Environment and Ecology (2009) Vol. 27(4A), pp. 1653-1656	N	N/A	N/A	Efficacy study
337.	Ghosh, A., Chatterjee, M.L., Chakraborti, K., Samanta, A.	2009b	Field evaluation of insecticides against chilli thrips (Scirtothrips dorsalis Hood)	Annals of Plant Protection Sciences (2009) Vol. 17(1), pp. 69-71	N	N/A	N/A	Efficacy study

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338.	Ghosh, A., Chatterjee, M.L., Samanta, A.	2010	Field evaluation of some new insecticides against brown planthopper Nilaparvata lugens (Stål) in rice	Journal of Entomological Research (2010) Vol. 34(1), pp. 35-37	N	N/A	N/A	Efficacy study
339.	Giannoulis, K.M., Giokas, D.L., Tsogas, G.Z., Vlessidis, A.G.	2014	Ligand-free gold nanoparticles as colorimetric probes for the non-destructive determination of total dithiocarbamate pesticides after solid phase extraction	Talanta (2014) Vol. 119, pp. 276-83	N	N/A	N/A	Analytical method for detection of dithiocarbamate fungicides
340.	Gil Garcia, M.D., Martinez Galera, M., Santiago Valverde, R., 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) Vol. 1147(1), pp. 17-23	N	N/A	N/A	Analytical detection of residues in bees
341.	Gilbert-López, R., Jaén-Martos, L., García-Reyes, J.F., Villar-Pulido, M., Polgar, L., Ramos-Martos, N., Molina-Díaz-A.	2012	Study on the occurrence of pesticide residues in fruit-based soft drinks from the EU market and Morocco using liquid chromatography-mass spectrometry	Food Control (2012) Vol. 26(2), pp. 341-346	N	N/A	N/A	Analytical detection of residues in foodstuffs
342.	Girotti, S., Maiolini, E., Ghini, S., Eremin, S., Manes, J.	2010	Quantification of imidacloprid in honeybees : Development of a chemiluminescent ELISA	Analytical Letters (201) Vol. 43(3), pp. 466-475	N	N/A	N/A	Analytical method for detection of imidacloprid in honeybees

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343.	Giroud, B., Vauchez, A., Vulliet, E., Wiest, L., Buleté, A.	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., Vol. 1316, pp. 53-61	N	N/A	N/A	Analytical method for the detection of pesticides in beebread
344.	Gnankiné, O., Mouton, L., Savadogo, A., Martin, T., Sanon, A., Dabire, R.K., Vavre, F., Fleury, F.	2013	Biotype status and resistance to neonicotinoids and carbosulfan in Bemisia tabaci (Hemiptera: Aleyrodidae) in Burkina Faso, West Africa	International Journal of Pest Management (2013) Vol. 59(2), pp. 95-102	N	N/A	N/A	Insecticide resistance study
345.	Gobin, B.	2006	New allowed insecticides in pome fruit	Fruitteelt-nieuws (2006) Vol. 19(9), pp. 26-27	N	N/A	N/A	Products for use on pome fruit
346.	Gomis, J., Prevot, A.B., Montoneri, E., Gonzalez, M.C., Amat, A.M., Martire, D.O., Arques, A., Carlos, L.	2014	Waste sourced bio-based substances for solar-driven wastewater remediation: Photodegradation of emerging pollutants	Chemical Engineering Journal (2014) Vol. 235, pp. 236-243	N	N/A	N/A	Waste sourced bio-based substances for wastewater remediation
347.	Gong, Y., Shi, B., Zhu, L., Kang, Z., Wang, Z., Wei, S.	2011	Toxicities of different insecticides to Q-type Bemisia tabaci in Beijing	Nongyao, (2011) Vol. 50(4), pp. 309-311	N	N/A	N/A	Efficacy study
348.	Gong, Y., Shi, B., Kang, Z., Wang, Z., Zhu, L., Wei, S.	2012a	Toxicities of seven types of pesticide to melon aphid Aphis gossypii	Nongyao (2012) Vol. 51(4), pp. 269-297, 311	N	N/A	N/A	Efficacy/ insecticide toxicity study
349.	Gong, Y-J., Wang, Z-H., Shi, B-C., Kang, Z-J., Zhu, L., Wei, S-J.	2012b	Toxicities and field control efficacy of six pesticides to the mustard aphid Lipaphis erysimi Kaltenbach (Hemiptera: aphididae)	Nongyao (2012) Vol. 51, No. 7, pp. 526-528	N	N/A	N/A	Efficacy study

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350.	Gong, Y-J., Shi, B-C., Kang, Z-J., Wang, Z-H., Zhu, L., Wei, S-J.	2013	Toxicity and field control efficacy of six pesticides to the bean aphid Aphis craccivora Koch (Hemiptera: Aphididae)	Beifang Yuanyi (2013) Vol. 15, pp. 132-134	N	N/A	N/A	Efficacy study
351.	González, R.H.	2005	Alternative proposals of chemical and hormonal control of the codling moth	Revista Frutícola (2005) Vol.26.3, pp. 89-102	N	N/A	N/A	Efficacy study
352.	González, R.H., Christian, V.F.	2006	Seasonal and management strategies for mealybugs, Pseudococcus spp., in pome fruits table and wine grapes (Hemiptera: Pseudococcidae)	Revista Frutícola (2006) Vol.27.2, pp. 37-47	N	N/A	N/A	Taxonomy and field biology of mealybugs
353.	González, R.H., Volosky, F.C.	2004	Mealybugs and fruit moth: quarantine problems affecting fresh fruit exports	Revista Frutícola (2004) Vol. 25(2), pp. 41-62	N	N/A	N/A	Review of quarantine restrictions
354.	Gore, J.	2005	Development of a bioassay to detect changes in the susceptibility of cotton aphid, Aphis gossypii Glover, to commercial neonicotinoid insecticides	Resistant Pest Management Newsletter (2005) Vol. 14.2, pp. 15-17	N	N/A	N/A	Efficacy study
355.	Gore, B.B., Suryawanshi, D.S., Shirale, D.K.	2010	Bioefficacy of newer insecticide molecules against safflower aphid, Uroleucon compositae (Theobald)	Karnataka Journal of Agricultural Sciences (2010) Vol. 23(1), pp. 99-100	N	N/A	N/A	Efficacy study
356.	Gorman, K., Slater, R., Blande, J.D., Clarke, A., Wren, J., McCaffery, A., Denholm, I.	2010	Cross-resistance relationships between neonicotinoids and pymetrozine in Bemisia tabaci (Hemiptera: Aleyrodidae)	Pest Management Science (20100 Vol. 66(1), pp. 1186-1190	N	N/A	N/A	Insecticide resistance study

Number	Author	Year	Title	Reference	Meet relevance criteria	Meet Reliability Criteria		Comments
					Y or N	Y, N or N/A	Result of reliability assessment/ Justification if not reliable	
357.	Górski, R., Szklarz, M., Kaniewski, R.	2009	Efficacy of hemp essential oil in the control of rosy apple aphid (Dysaphis plantaginea Pass.) occurring on apple tree	Progress in Plant Protection (2009) Vol. 49(4), pp. 2013-2016	N	N/A	N/A	Efficacy study
358.	Gosalwad, S.S., Kwathekar, B.R., Wadnerkar, D.W., Asewar, B.V., Dhutraj, D.N.	2008	Bioefficacy of newer insecticides against sucking pests of okra (Abelmoschus esculentus (L.) Moench)	Journal of Maharashtra Agricultural Universities (2008) Vol. 33(3), pp. 343-346	N	N/A	N/A	Efficacy study
359.	Gowdar, S.B., Babu, H.N.R., Reddy, N.A.	2007	Efficacy of insecticides on okra yellow vein mosaic virus and whitefly vector, Bemisia tabaci (Guenn.).	Annals of Plant Protection Sciences (2007) Vol. 15(1), pp. 116-119	N	N/A	N/A	Efficacy study
360.	Grafton-Cardwell, E.E., Reagan, C.A.	2008	Effects of insecticides on citricola scale, 2006	Arthropod Management Tests (2008) Vol. 33, pp. D3	N	N/A	N/A	Efficacy study
361.	Grafton-Cardwell, E.E., Montez, G.M., Reagan, C.A., Dunn, R.A, Ouyan, Y.	2008	Response of citrus peelminer Marmara gulosa Guillen and Davis (Lepidoptera: Gracillariidae) stages to various insecticides	Pest Management Science (2008) Vol. 64(11), pp. 1143-1150	N	N/A	N/A	Efficacy study
362.	Grassi, A., Maines, R., Saviane, A.	2008	Efficacy of 3 neonicotinoid insecticides for the control of the green leafhopper Asymmetrasca (Empoasca) decedens Paoli, a new pest on cultivated red raspberry in Trentino, Italy	IOBC/WPRS Bulletin (2008) Vol. 39, pp. 107-113	N	N/A	N/A	Efficacy study
363.	Gravena, S., Gravena, R., Silva, J.L., Silva, M.T.F. da, Benvenga, S.R., Amorim, L.C. de S., Horto, L.R.G. do	2010	Physiological effect of pyriproxyfen for controlling Asian citrus psyllid in sweet orange	Citrus Research and Technology (2010) Vol. 31(2), pp. 145-154	N	N/A	N/A	Efficacy study

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364.	Greulich, K., Alder, L.	2008	Fast multiresidue screening of 300 pesticides in water for human consumption by LC-MS/MS	Anal Bioanal Chem. (2008) Vol. 391(1), pp. 183-97	N	N/A	N/A	Analytical method for the detection of residues in foodstuffs
365.	Gritsenko, V.V.	2004	Efficiency of chemical means for protecting potato from Colorado beetle and its dependence on dynamics of age staff of pest population	Izvestiya Timiryazevskoi Sel'skokhozyaistvennoi Akademii (2004) Vol. 1, pp. 55-61	N	N/A	N/A	Efficacy study
366.	Gu, H., Chen, N., Yang, Y-F., Xu, P-Y.	2013b	Influencing factors of pesticide eye irritation	Journal of Environment and Health (2013) Vol. 30(1), pp. 45-47	N	N/A	N/A	Factors influencing eye irritation
367.	Guan X., Feng, Z., Lu, Q.	2012	Efficiency test on Keyun insect attractant with pesticides against wheat aphids	Journal of Henan Agricultural Sciences (2012) Vol. 41.8, pp. 118-120	N	N/A	N/A	Efficacy study
368.	Guarnone, A., Pacini, A., Freschi, G., Mazzi, F., Capella, A.	2008	Experimental results with epik (Acetamiprid 5% PS) to control Gonioctena fornicata (Coleoptera, Chrysomelidae) on alfalfa	In Giornate Fitopatologiche 2008, Cervia (RA), 12-14 marzo 2008, Volume 1 , by Guarnone, A, Pacini, A, Freschi, G, Mazzi, F, Capella, A, 247-250. Bologna, Italy:Università di Bologna, 2008.	N	N/A	N/A	Efficacy study
369.	Guillén, J., Bielza, P.	2012	Thiamethoxam acts as a target-site synergist of spinosad in resistant strains of Frankliniella occidentalis	Pest Management Science (2012) Vol. 69.2, pp. 188-194	N	N/A	N/A	Insecticide resistance study
370.	Guleria, S.J.	2013	Field efficacy of biopesticides and pesticide combinations against whitefly infesting gerbera	Munis Entomology & Zoology (2013) Vol. 8.2, pp. 895-899	N	N/A	N/A	Efficacy study

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371.	Guo, R., Yan, L., Jin, S., Chen, S.	2012	Toxicity test and demonstration experiment to wolfberry Aphis in Delincha area	Beifang Yuanyi (2012) Vol. 10, pp. 148-151	N	N/A	N/A	Efficacy study
372.	Gupta, M., Shanker, A.	2009b	Evaluation of imidacloprid and acetamiprid against Toxoptera aurantii Boyer in tea	Pesticide Research Journal (2009) Vol. 21(2), pp. 162-165	N	N/A	N/A	Efficacy study
373.	Gurjar, P.A., Radadia, G.G., Pandya, H.V.	2007	Bioefficacy of newer insecticides against pest complex of cowpea	Insect Environment (2007) Vol. 13(2), pp. 74-75	N	N/A	N/A	Efficacy study
374.	Guzsvany, V., Kadar, M. Gaal, F., Toth, K., Bjelica, L.	2006b	Rapid differential pulse polarographic determination of thiamethoxam in commercial formulations and some real samples	Microchimica Acta (2006) Vol. 1554(3-4), pp. 321-328	N	N/A	N/A	Analytical determination of thiamethoxam in commercial formulations
375.	Guzsvany, V., Madzgalj, A., Trebse, P., Gaal, F., Franko, M.	2007	Determination of selected neonicotinoid insecticides by liquid chromatography with thermal lens spectrometric detection	Environmental Chemistry Letters (2007) Vol. 5(4), pp. 203-208	N	N/A	N/A	Analytical method for the detection of residues
376.	Guzsvany, V., Kadar, M., Papp, Z.J., Bjelica, L., Gaal, F. Toth, K.	2008	Monitoring of photocatalytic degradation of selected neonicotinoid insecticides by cathodic voltammetry with a bismuth film electrode	Electroanalysis (2008) Vol. 20(3), pp. 291-300	N	N/A	N/A	Analytical method for monitoring of degradation of neonicotinoids
377.	Guzsvany, V., Papp, Z.J., Lazic, S.D., Gaal, F.F., Bjelica, L.J., Abramovic, B.	2009a	A rapid spectrophotometric determination of imidacloprid in selected commercial formulations in the presence of 6-chloronicotinic acid	Journal of the Serbia Chemical Society (2009) Vol. 74(12), pp. 1455-1465	N	N/A	N/A	Determination of imidacloprid in pesticide formulations

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378.	Guzsvany, V., Csanadi, J.J., Lazic, S.D., Gaal, F.F.	2009b	Phtotocatalytic degradation of the insecticide acetamiprid on TiO2 catalyst	Journal of the Brazilian Chemical Society (2009) Vol. 20(1), pp. 152-159	N	N/A	N/A	Photocatalytic degradation on TiO2 catalyst
379.	Guzsvany, V., Lazic, S.D., Vidakovic, N., Papp, Z.J.	2012a	Derivative spectrophotometric determination of acetamiprid in the presence of 6-chloronicotnic acid	Journal of the Serbian Chemical Society (2012) Vol. 7(7), pp. 911-917	N	N/A	N/A	Analytical method for detection of acetamiprid and 6-chloronicotnic acid
380.	Guzsvány, V., Rajić, L., Jović, B., Orčić, D., Csanádi, J., Lazić, S., Abramović, B.	2012b	Spectroscopic monitoring of photocatalytic degradation of the insecticide acetamiprid and its degradation product 6-chloronicotinic acid on TiO2 catalyst	Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering (2012) Vol. 47.12, pp. 1919-1929	N	N/A	N/A	Spectroscopic monitoring of photocatalytic degradation of acetamiprid
381.	Halappa, B., Awaknavar, J.S., Archana, D.	2013	Toxicity of newer insecticides to lady bird beetle, Cryptolaemus montruzeiri Mulsant (Coccinellidae: Coleoptera) under laboratory condition	Journal of Entomological Research (2013) Vol. 37.2, pp. 145-148	N	N/A	N/A	Efficacy study
382.	Hallett, R.H., Sears, M.K.	2013	Pheromone-based action thresholds for control of the Swede midge, Contarinia nasturtii (Diptera: Cecidomyiidae), and residual insecticide efficacy in cole crops	Journal of Economic Entomology (2013) Vol. 106.1, pp. 267-276	N	N/A	N/A	Efficacy study
383.	Hallet, R.H., Chen, M., Sears, M.K., Shelton, A.M.	2009	Insecticide management strategies for control of Swede Midge (Diptera: Cecidomylidae) on cole crops	Journal of Economic Entomology (2009) Vol. 102(6), pp. 2241-2254	N	N/A	N/A	Efficacy study

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384.	Hameed, A., Azizi, M.A., Aheer, G.M.	2010	Susceptibility of Bemisia tabaci Gen. (Homoptera: Aleyrodidae) to selected insecticides	Pakistan Journal of Zoology (2010) Vol. 43(3), pp. 295-300	N	N/A	N/A	Efficacy study
385.	Hanumantharaya, L., Naik, V.R., Raju, S.G.	2007	Management of safflower aphid, Urolencon compositae (Theobald) with newer molecules	Insect Environment (2007) Vol. 13(1), pp. 37-39	N	N/A	N/A	Efficacy study
386.	Hart, E., Coscolla, C., Pastor, A., Yusa, V.	2012	GC-MS characterization of contemporary pesticides in PM10 of Valencia Region, Spain	Atmospheric Environment (2012) 62: 118-129	N	N/A	N/A	Pesticide levels in the environment in Spain
387.	Haseljić, S., Festić, H.	2010	Control of thrips (Thrips tabaci L.)	Radovi Poljoprivrednog Fakulteta Univerziteta u Sarajevu (2010) Vol. 55(60), pp. 117-124	N	N/A	N/A	Efficacy study
388.	Hashi, Y., Zhou, H-X., Qing, Y-P.	2005	Rapid analysis of pesticide residues in agricultural products by GC/MS combined with an on-line GPC cleanup device	Fenxi Kexue Xuebao (2005) Vol. 21(4), pp. 441-443	N	N/A	N/A	Analytical detection of residues in agricultural products
389.	Hashiguchi, Y., Zaitsu, S., Imasaka, T.	2013	Ionization of pesticides using a far-ultraviolet femtosecond laser in gas chromatography/time-of-flight mass spectrometry	Anal Bioanal Chem. (2013) Vol. 405(22), pp. 7053-9	N	N/A	N/A	Ionisation of pesticides in GC/MS
390.	Hawthorne, D.J., Dively, G.P.	2011	Killing them with kindness? In-hive medications may inhibit xenobiotic efflux transporters and endanger honey bees	PLoS One (2011) DOI: 10.1371/journal.pone.0026796	N	N/A	N/A	Impact of multiple pesticides and veterinary products on bee hives