

果樹類に寄生する既知線虫目録

A List of the Nematodes Parasites of Fruit Trees

果樹類に寄生する線虫の本一覧表は、Goodey & Franklin (1956) の The nematodes parasites of plant catalogued under their host とその supplement (1959) に集録されたものから該当するものを引用し、そのほかに1963年までの20篇の資料によるものを新たに加えた。

植物和名は、日本植物総覧補遺(根本完爾編, 1936)に示されるものを優先した。なお、線虫の属名などは、Goodey らのリストに示されたように以下のとおり省略し、これら以外は省略しなかった。

Aph. = *Aphelenchoides*; *Dit.* = *Ditylenchus*; *Het.* = *Heterodera*; *Mel.* = *Meloidogyne*; *Pra.* = *Pratylenchus*; *Rad.* = *Radopholus*; *Tyl.* = *Tylenchulus*; v. = var.

また、*Meloidogyne incognita* var. *acrita* は現在 *M. incognita* の synonym としてあつかわれているのでそのようにした。

現在広く寄生が知られている線虫のうち、その出典の採扱の困難なものについてはとくに著者名、年号を記入しないでここに加えた。

Anonaceae バンレイシ科

Anona sp.

Pollinia deliciosa

Helicotylenchus sp.—Minz, '57

Rad. similis—Lordello, '62

Betulaceae カバノキ科

Betula papyrifera Marsh.

Corylus avellana L. (ムラサキハシバミ) *Mel.* sp.—Casali, 1898

Carya pecan Schneider (ペカン) *Mel.* sp.—Neal, 1889; *Xiphinema americanum*—Christie, '52

Criconemoides demani—Anon, '57; *Criconemoides* sp.—Anon, '57

Hemicycliophora similis—Anon, '57; *Hemicycliophora* sp.—Anon, '57

Paratylenchus sp.—Anon, '57

Ebenaceae カキ科

Diospyros kaki L. (カキ)

D. diospyros L. (マメガキ)

D. virginiana L.

D. sp.

Helicotylenchus dihystra—金子, 一戸, '63; *Mel. incognita*—Saigusa &

Matsumoto, '61; *Mel.* sp.—Bessey, '11; *Pra. scribneri*—Nesbitt, '56;

Rad. similis—St. Pl. B. Fl., '56; *Tyl. semi-penetrans*—Nesbitt, '56

Tyl. semi-penetrans—Nesbitt, '56

Rad. similis—St. Pl. B. Fl., '56

Mel. sp.—Buhner, '38—*Trophotylenchulus floridensis*—Raski, '57

Elaeagnaceae グミ科

Elaeagnus sp.

Mel. sp.—Minz, '58

Fagaceae ブナ科

Castanea crenata Sieb. et Zucc. (クリ) *Criconemoides* sp.; *Mel.* sp.—Tortter, '05

C. sativa Mill.

Mel. incognita—伊藤 (→), '62

Juglandaceae クルミ科

Juglans carifornica Wats.

J. cinerea L.

J. hindsii Jepson.

J. hindsii × *J. regia*

J. honorei Dode.

J. major Heller

Pra. pratensis—Serr & Day, '49

Mel. sp.—Neal, 1889

Cacopaurus epiacris—Allen & Jensen, '50; *Pra. pratensis*—Serr &

Day, '49; *Pra. vulnus*—Allen & Jensen, '51

Pra. vulnus—Sher & Allen, '53

Pra. pratensis—Serr & Day, '49

Pra. pratensis—Serr & Day, '49

- J. nigra* L. *Mel. sp.*—B. C. & S., '33; *Pra. musicola* (? *vulnus*) Steiner, '40; *Pra. pratensis*—Serr & Day, '49; *Pra. vulnus*—Jensen, '53
- J. regia* L. (ペルシヤグルミ) *Cacopaurus pestis*—Thorne, '43; *Mel. sp.*—Neal, 1889; *Pra. coffeae*—Colbran, '55; *Pra. pratensis*—Serr & Day, '49; *T'ylolaimophorus rotundicauda*—Paeslesler, '55
- J. rupestris* Engelm *Mel. sp.*—Bessey, '11
- J. sieboldiana* Maxim (オニグルミ) *Pra. pratensis*—Serr & Day, '49
- J. sp.* *Mel. sp.*—Buhner, '38; *Pra. pratensis*—Serr & Day, '49; *Pra. vulnus*—Sher & Allen, '53
- J. sp. vs. Franquette*, Mexican black *Pra. pratensis*—Serr & Day, '46
- Lauraceae** クスノキ科
- Persea americana* Mill (アボカド) *Pra. vulnus*—Christie, '59; *Rad. similis*—Christie, '50; *Rotylenchulus reniformis* Peacock, F. C., '56
- Moraceae** クワ科
- Eriobotrya japonica* Lindl. *Rad. similis*—Birchfield, '56
- Ficus carica* L. (イチヂク) *Het. fici*—Christie, '59; *Het. sp.*—v. d. Linde; *Mel. arenaria*—Minz, '56; *Mel. incognita*—戸, '55; *Mel. javanica*—Colbran, '58; *Mel. sp.*—Neal, 1889; *Paratylenchus hamatus*—Thorne & Allen, '50; *Pra. pratensis* Cobb, '27; *Pra. vulnus*—Sher & Allen, '53; *Xiphinema index*—Thorne & Allen, '50
- F. carica* vs. Brown, Turkey, Mission, Calimyrna, Kadob *Het. fici*—Sher & Raski, '56
- F. erecta* Thunb (イヌビワ) *Mel. incognita*—Saigusa & Matsumoto, '61; *Het. fici*—Christie, '59; *F. sp.* *Dit. sycobius*—Cotte., '20; *Het. fici*—Kirjanova, '54; *Mel. arenaria*—Chitwood, '49; *Mel. incognita*—Saigusa & Matsumoto, '61; *Mel. sp.*—Bssey, '11; *Paratylenchus sp.*; *Pra. vulnus*—Allen & Jensen, '51; *Rad. similis*—St. Pl. B. Fl., '56
- Musaceae** バシヨウ科
- Musa nana* Lour. *Rad. similis*—St. Pl. B. Fl., '56
- M. paradisiaca* L. (リヨウリバシヨウ) *Mel. javanica*—Martin, '58; *Pra. coffeae*—Stover & Fielding, '58; *Rad. similis*—St. Pl. B. Fl., '56
- M. paradisiaca v. sapientum* Kuntze (バナナ) *Mel. javanica*—Minz, '56; *Rad. similis*—St. Pl. B. Fl., '56
- M. textilis* Nee (マニライトバシヨウ) *Rad. similis*—St. Pl. B. Fl., '56
- M. sp.* *Mel. arenaria*—Colbran, '58; *Mel. javanica*—Colbran, '58
- Palmae** ヤシ科
- Neanthe elegans* *Rad. similis*—St. Pl. B. Fl., '56
- Phoenix canariensis* Chaub. (カナリーヤシ) *Rad. similis*—Christie, '59
- Punicaceae** ザクロ科
- Punica granatum* L. (ザクロ) *Mel. incognita*—Saigusa & Matsumoto, '61; *Mel. javanica*—Mintz, '56; *Mel. sp.*—野津, '40
- Rosaceae** イバラ科
- Chaenomeles lagenaria* Koidz. (ボケ) *Mel. incognita*—Saigusa & Matsumoto, '61
- C. oblonga* Mill. *Mel. sp.*—Bessey, '11
- C. speciosa* Nakai. (ヨドボケ) *Mel. sp.*—Buhner, '38
- C. sp.* *Mel. sp.*—Weiss, '41; *Pra. pratensis*—Serr & Day, '33
- Eriobotrya japonica* Lindl. (ビワ) *Rad. similis*—St. Pl. B. Fl., '56
- Malus tshonskii* Schneid. (ヤマナシ) *Mel. hapla*—Saigusa & Matsumoto, '61; *Mel. incognita*—Saigusa & Matsumoto, '61
- M. pumila* Mill. *Pra. pratensis*—Christie, '59
- M. pumila v. domestica* Schneider *Para. sp.*—Anon., '54; *Pra. penetrans*—Oostenbrink *et al.*, '57; *Pra. pratensis*—Oostenbrink, '54; *Pra. thornei*—Oostenbrink, '54; *Rotylenchus sp.*—Anon., '57

- M. pumila* v. *dulcissima* Koidz. (リンゴ) *Meloidodera* sp.—伊藤(喜), '60; *Mel. hapla*; *Mel. incognita*—Saigusa & Matsumoto, '61; *Mel. sp.*; *Paratylenchus* sp.—伊藤ほか, '63
- M. sp.* *Pra. pratensis*—Steiner & Buhner, '36
- M. sylvestris* Mill. *Mel. sp.*—Selby, 1896; *Pra. coffeae*—Colbran, '53; *Pra. penetrans*—Sher & Allen, '53; *Pra. pratensis*—Steiner & Buhner, '53; *Pra. vulnus*—Jensen, '53
- Prunus amygdalus* Batsch (ヘントウ) *Mel. javanica*—Georghiou, '57; *Mel. sp.*—Neal, 1889; *Pra. pratensis*—Serr & Day, '49; *Pra. vulnus*—Allen & Jensen, '51
- P. amygdalus* Batsch v. *amara* *Mel. incognita*—Minz, '56; *Mel. javanica*—Tarjan, '53
- P. armeniaca* L. (アンズ) *Mel. sp.*—Neal, 1889; *Pra. coffeae*—Colbran; *Pra. vulnus*—Allen & Jensen, '51
- P. avium* L. (セイヨウミザクラ) *Mel. sp.*—Buhner, '38; *Pra. penetrans*—Parker & Mai, '56; *Pra. pratensis*—Oostenbrink *et al.*, '57; *Pra. sp.*—Yung *et al.*, '50
- P. cerasifera* Ehrh. *Mel. sp.*—Neal, 1889
- P. cerasus* L. (スミノミザクラ) *Aph. ritzema-bosi*—Junges, '38; *Mel. javanica*—Minz, '56; *Mel. sp.*—B. C. & S., '38; *Pra. minyus*—Anon., '55; *Pra. penetrans*—Baker, '56; *Pra. pratensis*—Seinhorst, '54
- P. davidiana* Franch. *Mel. sp.*—B. C. & S., '33
- P. divaricata* Ledeb. *Mel. sp.*—Minz, '58
- P. domestica* L. (セイヨウスモモ) *Criconemoides xenoplax*—Seinhorst, '54; *Mel. sp.*—Neal, 1889; *Pra. minyus*—Anon., '55; *Pra. penetrans*—Seinhorst, '54; *Pra. pratensis*—Serr & Day, '49; *Pra. vulnus*—Allen & Jensen, '51
- P. domestica* L. v. Bokhara *Mel. sp.*—Brown, '48
- P. insititia* (L.) Poir. v. *Juliana* *Pra. penetrans*—Oostenbrink *et al.*, '57
- P. japonica* Thunb. (ニワウメ) *Pra. penetrans*—Neal, 1889
- P. mahaleb* L. *Mel. sp.*—Nyland, '55
- P. pennsylvanica* L. *Hemicycliophora similis*—Anon., '55
- P. persica* Batsch. (モモ) *Criconemoides xenoplax*—Lownsbery, '59; *Criconemoides simile*—Chitwood, '49; *Meloidodera* sp.—日植防協, '65; *Mel. arenaria*—日植防協, '65; *Mel. hapla*—Saigusa & Matsumoto, '61; *Mel. incognita*—Saigusa & Matsumoto, '61; *Mel. javanica*—Chitwood *et al.*, '51; *Mel. sp.*—Neal, 1889; *Pra. penetrans*—日植防協, '65; *Pra. pratensis*—Serr & Day, '49; *Pra. vulnus*—Allen & Jensen, '51
- P. persica* vs. Dwarf hybrid No. 7, S-37 *Mel. javanica*—Hansen *et al.*, '56
- P. persica* vs. Lovell, Shalil, Yunnan *Mel. incognita*—Chitwood, '49; *Mel. javanica*—Chitwood, '49
- P. persica* vs. Alberta, Belladi *Mel. javanica*—Minz, '58
- P. persica* vs. Boland, Killiecrankie *Mel. javanica*—Martin, '58
- P. persica* v. Elberta *Mel. incognita*—Martin, '58
- P. persica* v. *nectarina* Maxim *Mel. sp.*—Buhner, '38
- P. salicina* Lindl. *Pra. coffeae*—Colbran, '55
- P. serotina* Ehrh. *Pra. penetrans*—Oostenbrink *et al.*, '57
- P. sp.* (cherry) *Pra. penetrans*—Oostenbrink, '54; *Pra. pratensis*—Oostenbrink, '54; *Pra. thornei*—Oostenbrink, '54
- P. sp.* (peach) *Pra. pratensis*—Crossman & Christie, '37
- P. sp.* (plum) *Mel. incognita*—Colbran, '58; *Mel. sp.*—B. C. & S., '33; *Pra. pratensis*—Crossman & Christie, '37
- P. sp.* (purple leaf peach) *Mel. sp.*—Brown, '48
- P. sp.* *Hemicycliophora similis*—Anon., '57; *M. arenaria*; *M. incognita*; *M. javanica*; *M. sp.*; *Paratylenchus* sp.—Anon., '57; *Pra. minyus*—Anon., '57; *Xiphinema americanum*—Anon., '57
- P. spinosa* L. *Pra. penetrans*—Oostenbrink *et al.*, '57
- P. virginiana* L. *Pra. penetrans*—Bessey, '11
- Pyrus communis* L. (ナン) *Helicotylenchus* sp.; *Mel. sp.*—Frank, 1882; *Paratylenchus* sp.; *Pra. coffeae*—Colbran, '55; *Pra. loosi*; *Pra. minyus*—Anon., '55; *Pra.*

- P. sp.* *penetrans*—Oostenbrink, '54; *Pra. pratensis*—Oostenbrink, '54; *Pra. thornei*—Oostenbrink, '54; *Pra. vulnus*; *Tylenchorhynchus nudus*
Aph. fragariae—Crossman & Christie, '37; *Mel. sp.*—B. C. & S., '33;
Pra. pratensis—Crossman & Christie, '37; *Tylenchorhynchus nudus*—金子, 一戸, '63
- Ribes nigrum* L. *Pra. penetrans*—Oostenbrink *et al.*, '57
R. rubrum L. *Pra. penetrans*—Oostenbrink *et al.*, '57
R. ura-crispa L. *Aph. ritzema-bosi*—Goffart, '51; *Pra. penetrans*—Oostenbrink *et al.*, '57
Rubus albescens Roxb. *Pra. sp.*—Goheen, '54
R. biflorus Buch-Ham. *Pra. sp.*—Goheen, '54
R. coreanus Miq. (トツクリイチゴ) *Pra. sp.*—Goheen, '54
Rubus idaeus (ヨーロッパイチゴ) *Aph. ritzema-bosi*; *Mel. sp.*—Selby, 1896; *Pra. pratensis*—Berkeley, '36; *Pra. vulnus*—Allen & Jensen, '51
R. kuntzeanus Hemsl. *Pra. sp.*—Goheen, '54
R. parvifolius L. (ナワイシロイチゴ) *Pra. sp.*—Goheen, '54
R. sp. *Ang. sp.*—Crossman & Christie, '37; *Pra. penetrans*; *Pra. pratensis*—Crossman & Christie, '37; *Pra. vulnus*—Allen & Jensen, '51; *Xiphinema americanum*
R. subuniflorus Rydb. *Mel. sp.*—Neal, 1889
R. trivialis Michx. *Mel. sp.*—Neal, 1889

Rutaceae ミカン科

- Citrus aurantifolia* Swingle (ライム) *Tyl. semi-penetrans*—Crossman & Christie, '37
C. aurantifolia v. *dulcis* *Mel. sp.*—Minz, '51
C. aurantifolia × *Fortunella* sp. *Tyl. semipenetrans*—Baines, *et al.*, '48
C. aurantium L. (ダイダイ) *Criconemoides citri*—Steiner, '49; *Mel. sp.*—Neal, 1889; *Rad. similis*—Suit & Ducharme, '53; *Tyl. semi-penetrans*—Thomas, '13
C. celebica Koord. v. *southwickii* *Tyl. semi-penetrans*—Baines, *et al.*, '48
C. erythrosa Hort. ex Tanaka *Tyl. semi-penetrans*—Li, '53
C. grandis Osbeck (ザボン) *Criconemoides civellae*—Steiner, '49; *Tyl. semi-penetrans*—Taylor, '44
C. grandis Osbeck v. *Paradisi* *Mel. sp.*—Calvino, '50; *Pra. vulnus*—Jensen, '53; *Tyl. semi-penetrans*—Li, '53
C. hystrix D. C. (スワギン) *Tyl. semi-penetrans*—Baines, *et al.*, '48
C. ichangensis Swingle *Tyl. semi-penetrans*—Baines, *et al.*, '48
C. ichangensis × *C. grandis* *Tyl. semi-penetrans*—Baines, *et al.*, '48
C. limon Burm. f. (レモン) *Rad. similis*—St. Pl. B. Fl., '55
C. limonia Osbeck (カントンレモン) *Mel. sp.*—Bessey, '11; *Rad. similis*—Suit & Ducharme, '53; *Tyl. semi-penetrans*—Li, '35
C. limonia Osbeck f. *Rotylenchulus reniformis*—Peacock, '56
C. limonia Osbeck, Meyers hybrid *Tyl. semi-penetrans*—Li, '35
C. limonia × *C. paradisi* Macfad. *Tyl. semi-penetrans*—Baines, '48
C. macroptera Mentrous × *C. reticulata* Blanco *Tyl. semi-penetrans*—Baines, *et al.*, '48
C. medica L. (シトロン) *Tyl. semi-penetrans*—Baines, *et al.*, '48
C. mitis Blanco (サイセイキツ) *Tyl. semi-penetrans*—Li, '35
C. nobilis Lour (クネンボ) *Tyl. semi-penetrans*—Li, '35
C. nobilis Lour. v. *deliciosa* *Tyl. semi-penetrans*—Crossman & Christie, '37
C. paradisi Macfad. (グレープフルーツ) *Pra. vulnus*—Christie, '59; *Rad. similis*—Suit & Ducharme, '35; *Tyl. semi-penetrans*—Baines, *et al.*, '48
C. reticulata Blanco (マンダリンオレンジ) *Rad. similis*—St. Pl. B. Fl., '55; *Tyl. semi-penetrans*—Taylor, '44
C. reticulata × *C. grandis* Hassk *Tyl. semi-penetrans*—Baines, *et al.*, '48
C. reticulata × *C. sinensis* *Tyl. semi-penetrans*—Baines, *et al.*, '48
C. sinensis Osbeck (オレンジ) *Mel. sp.*—Neal, 1889; *Pra. pratensis*—Crossman & Christie, '37; *Pra. vulnus*—Jensen, '53; *Rad. similis*—Suit & Bitters, '48; *Tyl. semi-penetrans*—Thomas, '13

- C. sinensis* × *Poncirus trifoliata* Raf. *Tyl. semi-penetrans*—Baines, *et al.*, '48
C. sp. *Belonolaimus gracilis*—Miller, '53; *Hemicyclophora* sp.—Miller, '53;
Hoplolaimus coronatus—Miller, '53; *Mel. sp.*—Buhrer, '38; *Pra.*
pratensis—Ducharme & Suit, '54; *Pra. vulnus*—Allen & Jensen, '51;
Rad. similis—St. Pl. B. Fl., '56; *Trichodorus* sp.—Miller, '53;
Xiphinema americanum—Miller, '53
C. tachibana Tanaka × *C. reticulata* *Tyl. semi-penetrans*—Baines, *et al.*, '48
C. Taiwanica Tanaka & Shimada *Tyl. semi-penetrans*—Baines, *et al.*, '48
Fortunella crassifolia Swingle *Rad. similis*—Feder *et al.*, '58
F. japonica Swingle *Rad. similis*—Feder *et al.*, '58
F. margarita Swingle *Rad. similis*—Feder *et al.*, '58
Poncirus trifoliata Raf. (カラタチ) *Pra. coffeae*—後藤, 大島, '63; *Pra. loosi*—後藤, 大島, '63; *Rad.*
similis—St. Pl. B. Fl., '56; *Tyl. semi-penetrans*—宮川, 森下, '57
P. trifoliata Raf. × *citrus limon* *Rad. similis*—Feder *et al.*, '58
P. trifoliata Raf. × *C. paradisi* *Rad. similis*—Feder *et al.*, '58
P. trifoliata Raf. × *C. sinensis* *Rad. similis*—Feder *et al.*, '58
P. trifoliata × *C. sinensis* × *C. mitis* *Rad. similis*—Feder *et al.*, '58
P. trifoliata × *C. sinensis* × *C. sinensis* *Rad. similis*—Feder *et al.*, '58
P. trifoliata × *C. sinensis* × *Fortunella* sp. *Rad. similis*—Feder *et al.*, '58

Vitaceae ブドウ科

- Vitis aestivalis* Michx (アメリカナツブドウ) *Mel. sp.*—Neal, 1889
V. aestivalis Michx. v. *Bourquiniana* *Mel. sp.*—Buhrer, '38
V. arizonica Engelm. *Mel. sp.*—Buhrer, '38
V. berlandieri Planch. (ペラランダリー) *Mel. sp.*—Buhrer, '38
V. californica Benth. *Mel. sp.*—Buhrer, '38
V. campini Hort. vs. *Dogridge, Barnes* *Mel. sp.*—B. C. & S., '33
V. doaniana Munson *Mel. sp.*—Buhrer, '38
V. labrusca L. (アメリカカブドウ) *Mel. sp.*—Licopoli, 1877
V. longii W. R. & Prince *Mel. sp.*—Buhrer, '38
V. rupestris Scheele *Mel. sp.*—Buhrer, '38
V. solonis *Mel. incognita*—Lider, '54
V. sp. *Criconemoides similis*—Cobb, '18; *Criconemoides xenoplax*—Raski &
Radewald, '58; *Het. schachtii*—Nougaret, '27; *Mel. incognita*—Lider,
'54; *Mel. javanica*—Seinhorst & Sauer, '56; *Mel. sp.*—B. C. & S., '33;
Paratylenchus hamatus—Raski & Radewald, '58
V. treleasei Munson *Mel. incognita*—Lider, '54
V. vinifera L. (ブドウ) *Criconemoides rusticum*—Menzel, '41; *Dit. dipsaci*—Kirjanova, '39;
Helicotylenchus dihystra; *Mel. hapla*—Winkler in Boubals, '52; *Mel.*
incognita—Vage, '52; *Mel. javanica*—Winkler in Boubals, '52; *Mel.*
sp.—Neal, 1889; *Pra. scribneri*—Seinhorst & Sauer; *Pra. vulnus*—
Christie, '59; *Tyl. semi-penetrans*—Seinhorst & Sauer; *Xiphinema*
americanum—Breece & Hart, '59; *Xiphinema index*—Hewitt, *et al.*, '58
V. vulpina L. *Mel. sp.*—Buhrer, '38

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