
Scientific Note

Additional Hosts of Four Species of Root-knot Nematode (*Meloidogyne*) in Japan

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The senior author and his coworker have previously recorded 188 species of hosts for root-knot nematode *Meloidogyne incognita* var. *acrita* CHITWOOD, and 65 species for northern root-knot nematode, *M. hapla* CHITWOOD (SAIGUSA and MATSUMOTO, 1961). Further, he also reported 77 species of hosts for peanut root-knot nematode *M. arenaria* (NEAL) CHITWOOD and 67 species for Javanese root-knot nematode *M. javanica* (TREUB) CHITWOOD (SAIGUSA, 1969). The foregoing lists are here supplemented with some additional hosts, most of which have been described in the fields of export plants. The plants listed as host are restricted to those on which egg masses of each particular nematode species were recognized. Recovered nematode was identified by the perineal patterns of female adult on the basis of the description of CHITWOOD (1949) and SASSER (1954). When the identification was either inconclusive or the nematodes from the original samples were too scarce to warrant adequate identification work, further observation was made after propagating the nematode in question on tomato plants (*Lycopersicon esculentum* MILL.).

Additional host plants of the root-knot nematodes (1969)

1. *Meloidogyne arenaria* (NEAL, 1889) CHITWOOD, 1949

(Family)	(Species)
Cannaceae (カンナ)	<i>Canna generalis</i> BAILEY (ハナカンナ)
Compositae (キク)	<i>Helianthus annuus</i> L. (ヒマワリ)
Cruciferae (アブラナ)	<i>Cochlearia armoracia</i> L. (ワサビダイコン)
Gentianaceae (リンドウ)	<i>Gentiana scabra</i> var. <i>buergeri</i> MAXIM. (リンドウ)
Labiatae (シソ)	<i>Salvia splendens</i> KER. (ヒゴロモソウ)
Musaceae (バショウ)	<i>Musa paradisiaca</i> subsp. <i>sapientum</i> O. KUNTZE (バナナ)
Ranunculaceae (キンボウゲ)	<i>Paeonia albiflora</i> PALL. (シャクヤク)

2. *Meloidogyne hapla* CHITWOOD, 1949

- Celastraceae (ニシキギ) *Evonymus japonica* THUNB. (マサキ)
 Labiatae (シソ) *Salvia splendens* KER. (ヒゴロモソウ)
 Scrophulariaceae (ゴマノハグサ) *Mazus miguelii* MAKINO (サギゴケ)

3. *Meloidogyne incognita* var. *acrita* CHITWOOD, 1949

- Araceae (サトイモ) *Anthurium andreanum* LINDEN (オオベニウチワ)
 Bromeliaceae (パイナップル) *Ananas comosus* MERR. (パイナップル)
 Cactaceae (サボテン) *Echinocactus multiplex* PFEIFF. et OTTO. (カブト)
Ephyllum ackermanni HAW. (ベニクジャク)
 Cannaceae (カンナ) *Canna generalis* BAILEY (ハナカンナ)
 Compositae (キク) *Gnaphalium purpureum* L. (チチコグサモドキ)
Ixeris debilis A. GRAY (オオジシバリ)
 Cruciferae (アブラナ) *Cochlearia armoracia* L. (ワサビダイコン)
 Gramineae (イネ) *Cynodon dactylon* (L.) PERS. (ギョウギンパ)
Saccharum officinarum L. (サトウキビ)
Zoysia japonica STEUD. (シバ)
 Labiatae (シソ) *Salvia splendens* KER (ヒゴロモソウ)
 Musaceae (バショウ) *Musa paradisiaca* subsp. *sapientum* O. KUNTZE (バナナ)
 Oenotheraceae (アカバナ) *Ephelobium latifolium* L. (アカバナ属の1種)
 Oleaceae (モクセイ) *Rangium suspensum* OHWI (レンギョウ)
 Passifloraceae (トケイソウ) *Passiflora caerulea* L. (トケイソウ)
 Polygonaceae (タデ) *Rumex japonicus* HOUTTUYN (ギンギン)
 Sapindaceae (ムクロジ) *Cardiospermum halicacabum* L. (フウセンカズラ)
 Solanaceae (ナス) *Lycium chinense* MILL. (クコ)
 Tropaeolaceae (ノウゼンハレン) *Tropaeolum majus* L. (キンレンカ)

4. *Meloidogyne javanica* (TREUB, 1885) CHITWOOD, 1949

- Araliaceae (ウコギ) *Fatsia japonica* DECNE. et PLANCH. (ヤツデ)
 Leguminosae (マメ) *Derris elliptica* BENTH. (デリス)
 Moraceae (クワ) *Ficus carica* L. (イチジク)

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