

RESEARCH NOTES

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PLANT PARASITIC NEMATODES ASSOCIATED WITH DIFFERENT FIELD CROPS IN KERALA

In a preliminary survey conducted in the state during 1971-72 a number of nematodes associated with various cultivated crops in Trivandrum and Quilon Districts were recorded.

Table I. Nematodes associated with different crops recorded from Trivandrum and Quilon Districts Of Kerala.

Host plant	Nematodes recorded	Host plant	Nematodes recorded
1. Amaranthus (<i>Amaranthus</i> sp.)	8	12. Colocasia (<i>Colocasia antiquorum</i>)	5 *
1. Arecanut (<i>Areca catechu</i>)	1 *	13. Cow pea (<i>Vigna sinensis</i>)	8
3. Banana (<i>Musa paradisiaca</i>)	3* , 5, 9, 10, 11	14. Ginger (<i>Zingiber officinale</i>)	8
4. Bottle gourd (<i>Lagenaria siceraria</i>)	7* , 10*	15. Lady's finger (<i>Abelmoschus esculantus</i>)	5, 8
5. Brinjal (<i>Solanum melongena</i>)	5, 8	16. Oil palm (<i>Elaeis guineensis</i>)	3* , 5*
6. Calapagonium (<i>Calapagonium mucanoides</i>)	8	17. Pepper (<i>Piper nigrum</i>)	6* , 8
7. Canna (<i>Canna indica</i>)	4	18. Pineapple (<i>Ananas sativa</i>)	5*
8. Chillies (<i>Capsicum annum</i>)	5* 2 *	19. Rubber (<i>Hevea braziliensis</i>)	2* , 5*
9. Chinese potato (<i>Coleus parviflorus</i>)	5* , 8	20. Snake gourd (<i>Trichosanthes anguina</i>)	10*
10. Coconut (<i>Cocos nucifera</i>)	1 *	21. Sugarcane (<i>Saccharum officinarum</i>)	5 , 9
11. Coleus (<i>Coleus blumei</i>)	8*	22. Tomato (<i>Lycopersicum esculantus</i>)	5 , 8 , 10
1. <i>Aphelenchoides</i> sp.	5.	<i>Heliocotylenchus</i> sp.	9. <i>Meloidogyne javanica</i> .
2. <i>Boleodorus</i> sp.	6.	<i>Hoplolaimus indicus</i>	10. <i>Pratylenchus</i> sp.
3. <i>Criconemoides</i> sp.	7.	<i>Hoplolaimus</i> sp.	11. <i>Radopholus similis</i> .
4. <i>Helicotylenchus carbiensis</i>	8.	<i>Meloidogyne incognita</i>	12. <i>Trichodorus</i> sp.

New record.

Root-knot nematodes were the most injurious pest infesting crops, especially the vegetables. *Radopholus similis*, the burrowing nematode on banana was recorded in Quilon District only. The root-knot nematode was found as a serious problem to ginger cultivation especially in Quilon District. Species of *Helicotylenchus* were found associated with most of the crops and were distributed in all the soil tracts.

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Division of Entomology,
College of Agriculture,
Vellayani.

K. V. MAMMEN.

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