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NEW RECORD

NEW RECORDS OF PLANT PARASITIC NEMATODES FROM KERALA

A survey of rice, vegetables, banana and peppervine crops was conducted during 1977–1979 under the auspices of the All India Co-ordinated Research Project on nematode pests of crops and their control to ascertain the nematode pests associated with these crops in Keraia State. The new records of nematodes are furnished in Table 1.

Merlintus brevidens was found associated with rice and banana in the three district of Trivandrum, Quilon and Alleppey, Rao (1979) reviewed work on the nematodes associated with rice in India, but had not recorded M. brevidens on rice. Scutellonema brachyurvm, Helicotylenchus serenus and H. paradihysteroides were recorded for the first time on vegetables from Kerala state. Siddigui (1964) had recorded S. brachyurum on Tuja plecta in U. P. India. H. serenus has been reported by Nirula and Bassi (1963) from potato soil and by sethi and Swarup (1969) around soil of temperate fruit trees in Himachal Pradesh Darkar and Khan (1978) reported H. paradihysteroides in sugarcane soil from Maharashtra and this is the second report of this nematode from the country. The nematode associated with pepper have been reported by Sundararaju et al. (1979). They have recorded only Helicotylenchus erythrinae, H. trivandranus and H. dihystera on pepper in the country and reported Hoplolaimus colombus and H. seinhorstei occuring on pepper only from outside India. The same authors reported associations of Xiphinema elongatum, X. radicicola and X, vulgare on pepper only from outside India.

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Table-I

140

		Crop		Taxonomic	No./100 ml	
Location	District	Soil	Nematodes recorded	position	soil	Remarks
Rice Research Station, Monco Model Agro		Rice	Merlinius brevidens, Siddiqui, 1970	Merlininae, Dolichodoridae Tylenchida	128 56	First record or rice from the Country and
nomic Resarch Station, Karama			,, p. ,,		50	Kerala
Kundara (Privat holding)		Banana			151	New record or Banana from the country;
Karamana (private holding)	Trivandrum	Vegeta bles	Xiphinema elongatum S, Stekoven & Teun- issen, 1938	Xiphineminae Longidoridae Dorylaimida	14	First and new report from Kerala
Agri College Campus, Vellayani	Trivandrum		Scutellonema brachyurum, Andrassy,1958	Hoplolaiminae	122	First and new record from Kerala
			Helicotylenchus seremus, Siddiqui 1963	Hoplolaimidae	39	
			H. paradihysteroides Darekar & Khan, 1978	Tylenchida	47	
Koorachundu		Black Pepper	H. digonicus, Perry 1959 Hoplolaimus seinhorstei Luc. 1 958		68 11	First report or pepper from
Chemparaka	Kottayam		Xiphinema radicicola Goodey, 1936	Xiphineminae	21	the Country
			<i>X. americanum</i> Cobb, 1913	Longidoridae Dorylaimida	9	

New records of Plant Parasitic nematodes from Kerala

NEW RECORDS

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