

NEW HOST PLANTS OF PLANT PARASITIC NEMATODES IN CALIFORNIARobert B. Nesbitt¹

During November of 1955, the citrus-root nematode, Tylenchulus semipenetrans Cobb (4), was found in Orange County, California attached to field grown persimmon roots, including Diospyros lotus seedlings and D. lotus rootstock with scions of the Hachiya variety.

Washed root samples and associated soil samples from the persimmon gave high populations of citrus nematode larvae and males collected by means of the Baermann funnel method. Direct examination of stained (acid fuchsin) fibrous persimmon roots disclosed the presence of attached mature females and egg masses.

Several members of the Rutaceae family (2, 3) and olive varieties appear to have been the only hosts of Tylenchulus semipenetrans on record at the time of these findings.

In March, 1955, the root lesion nematode, Pratylenchus scribneri Steiner (1), was found in the roots of roses which were being grown for the cut flower market.² Earlier records show this nematode to have been obtained in other States from potato tubers and amaryllis roots.

Literature Cited

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