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NEMATODE RECORDS FROM SAANICHTON, BRITISH COLUMBIA IN 1960J. E. Bosher<sup>1</sup>

The examination of 107 samples of roots and soil from strawberry plantings in B.C. showed that nematodes were present as follows: 67 samples were infested with Pratylenchus penetrans, the population was rated as heavy in 13 samples and light in two. Paratylenchus sp. was found to be heavy in 11, and light in 13 samples. Xiphinema sp. was found in 23 samples and Heterodera trifolii as cysts or cysts and larvae was found in 29 samples, in most cases associated with leguminous weeds.

A survey of approximately 230 acres of potatoes in the Pemberton Valley of B.C. revealed the presence of Meloidogyne hapla in 2 fields, representing approximately 10.5 acres. Pratylenchus sp. was found in the plantings of 14 growers of about 40 acres and Paratylenchus sp. was present in 18 fields, representing 80 acres. Heterodera trifolii was found in 22 fields totalling 100 acres. The nematodes occurred as relatively small populations in most samples.

Significant populations of Xiphinema americanum were found in soil samples from Saskatoon from a crab-apple orchard and from spruce and poplar in a forest nursery at Indian Head, Sask.

Pratylenchus penetrans was found in significant populations in the roots of Syringa vulgaris, Phlox decussata, Narcissus, rose, apple, peach and raspberry, in all cases associated with plant decline. A trace population of P. penetrans was also found in a sample of Thuja recently imported from Europe.

Meloidogyne incognita was recorded from Saintpaulia newly imported from the U.S.A. and M. hapla was recorded from Impatiens from a greenhouse at Edmonton, Alberta. Ditylenchus dipsaci was found in two soil samples from the Fraser Valley and in two fields on Vancouver Island, B.C. Ditylenchus destructor was found in one planting of Iris at Brentwood, B.C.

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