

REFERENCES

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REMAINING ABSTRACTS OF PAPERS PRESENTED AT THE X ANNUAL MEETING OF OTAN IN AGUADILLA, PUERTO RICO, JUNE 3-10, 1978.

REMANENTE DE LOS RESUMENES DE TRABAJOS PRESENTADOS EN LA X REUNION ANUAL DE ONTA EN AGUADILLA, PUERTO RICO, 3-10 DE JUNIO, 1978

OBSERVATIONS ON SEASONAL POPULATION CHANGES OF SELECTED PLANT PARASITIC NEMATODES ON SUGARCANE [OBSERVACIONES SOBRE LOS CAMBIOS ESTACIONALES EN LAS POBLACIONES DE FITONEMATODOS DE LA CAÑA]. N. D. Singh, The University of the West Indies, St. Augustine, Trinidad, W.I. - - - Seasonal variations in field populations of *Pratylenchus zaeae*, *Meloidogyne incognita*, *Helicotylenchus dihystra* and *Tylenchorhynchus annulatus* on sugarcane were studied at monthly intervals for one year, January to December, 1975 at the University Field Station, Trinidad. Nematodes were counted in 200 cm³ soil and 10 g root samples. Nematode populations varied in relation to month of sampling but there was a recognizable low (January to May) and high (August to September) seasonal pattern. Soil populations of *M. incognita* reached a peak in August (292) but the root population increased steadily from June to December. Soil populations of *P. zaeae* began increasing in June (76) and reached its peak in August or September (242) followed by a decline from October (186) to December (118). Numbers of *T. annulatus* and *H. dihystra* were relatively low between January and May but reached peaks in August (92) and Septmeber (148), respectively. There exists a relationship between nematode population densities and soil moisture.