

## SEASONAL POPULATION FLUCTUATIONS OF PLANT PARASITIC NEMATODES IN SOYBEAN-WHEAT ROTATION

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### Abstract

Seasonal population fluctuations of *Hoplolaimus indicus*, *Tylenchorhynchus vulgaris*, *Meloidogyne incognita*, *Pratylenchus seae* and *Rotylenchulus reniformis* were studied during October 1989 to September 1990 in soil under soybean-wheat rotation. *M. incognita*, *T. vulgaris* and *P. zaeae* showed major population fluctuations, with maximum seasonal fluctuations in *T. vulgaris*. *H. indicus* and *R. reniformis* did not show much fluctuations and any host preferences. *T. vulgaris*, *H. indicus* and *R. reniformis* did not show much fluctuations and any host preferences. *T. vulgaris*, *M. incognita* and *P. zaeae* multiplied during November and December months when soybean was at its maturity but declined during February and March under wheat crop.