

## **SEASONAL FLUCTUATION OF *PRATYLENCHUS ZEA* IN FIELDS OF SUGARCANE IN RELATION TO SOIL TYPE AND TEMPERATURE**

**S.A. MONTASSER, F.F. MOUSSA\*, M.M.A. YOUSEEF\*, A.B. ABOUL SOUD  
AND M.M.M. MOHAMED\***

*Department of Agricultural Zoology & Nematology, Faculty of Agriculture,  
Al-Azhar University, Cairo, Egypt*

*\*Plant Pathology Department, Nematology Laboratory, National Research Centre,  
Dokki, Cairo, Egypt*

### **Abstract**

The population density of *Pratylenchus zea* fluctuated in both soil and roots of sugarcane all over the growing season and varied markedly in relation to soil type (silty clay loam and clay loam) and soil temperature. The population density of this pest had at least two distinguishable peaks which negatively correlated with the prevailing soil temperature. The first peak occurred in December and January and the second one occurred in September.