

## **REPRODUCTIVE POTENTIAL OF *HETERODERA ZEA* ON CORN UNDER FIELD CONDITIONS**

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### **Abstract**

The influence of different initial population densities of *Heterodera zea* on its reproductive potentials and corn growth response were studied under field conditions. The nematode final population and rate of reproduction were affected by the initial population. As the initial level of the nematode increased, the final population also increased at both mid season and harvest time. However, there was negative relation between the initial level and the rate of nematode reproduction. With an increase in nematode initial population a progressive decline in corn plant growth and yield was observed.