

CP 2622

*Indian J. Nematol.* 17(2) : 334 (1987)

### Occurrence of *Heterodera oryzae* on banana in Goa

P.K. KOSHY, V.K. SOSAMMA and J.R. FALEIRO\*

Division of Nematology, Central Plantation Crops Research Institute, Regional Station,  
Krishnapuram 690 533, Kayangulam, Kerala, India

Banana is a host for *Heterodera oryzae* and *H. oryzae* (Taylor, 1978; Charles & Venkitesan, 1984). Soil and root samples, collected from the banana cultivar, Njalippovan, grown on the Ela Farm at the ICAR Research Complex, Old Goa, in the first week of October, 1986, showed presence of a few cysts. More soil and root samples were collected from cultivars Saldatti and Njalippovan grown on the Farm during January, 1987. On the basis of second stage juveniles and cone top characters, the nematode was identified as *H. oryzae*. Soil samples yielded an average of 15 cysts and two second stage juveniles per gram of soil. Infested roots recorded an average of 10

cysts per gram. The cysts were found attached mostly to the fine tertiary feeder roots of the plants as has been reported also for cv. Nendran (Charles & Venkitesan, 1984). No cysts could be observed on the thick main roots.

The report of *H. oryzae* on banana in Goa warrants the need for intensive survey and seed treatment of suckers before planting.

#### REFERENCES

- CHARLES, J.S. & VENKITESAN, T.S. (1984). *Indian J. Nematol.* 14 : 181-182  
TAYLOR, D.P. (1978). *Revue de Nematol.* 1 : 165-169.

\*ICAR Research Complex for Goa (CPCRI), Ela, Old Goa 403 402