

techniques to be used for extraction. For loamy sand soil dry sieving + rubbing was better than other methods while in the case of sandy loam soil as well as pot culture soil, sieving, fenwick can and modified fenwick can were equally good.

After extraction, quick separation of cysts from debris was obtained by acetone + carbon tetrachloride (drying of cyst + debris at 25°C), ethanol (drying of cyst + debris at 15°C). However, these chemicals depressed the hatching of the cysts but other inorganic chemicals like NaCl (sp. gr. 1.19) and MgSO<sub>4</sub> (sp. gr. 1.22) which were significantly inferior to acetone + carbon tetrachloride and ethanol for separation of cysts from debris stimulated hatching of the recovered cysts.

INTERACTION OF *HETERODERA ORYZICOLA* AND *MELOIDOGYNE GRAMINICOLA* IN ARTIFICIAL INOCULATION IN RICE : Y. S. Rao and J. S. Prasad, Central Rice Research Institute, Cuttack-6.

To study the influences of *Heterodera oryzicola* on the multiplication of *Meloidogyne graminicola* and vice versa, inoculations were made to 10 days old plants of rice var. CRM 13-3241, separately, simultaneously and one nematode inoculation followed by the other 7 days after in different combinations. Observations were taken on the 7th, 22nd, 37th and 52nd day after inoculations. It was observed that the larvae of *M. graminicola* hatched and invaded the roots earlier than the *H. oryzicola* larvae. No significant differences were found in the multiplication of *M. graminicola* in different levels of inocula or in different combinations with *H. oryzicola*. Multiplication in the individual inoculation of *H. oryzicola* treatments was found to be superior to the treatments in which *H. oryzicola* was given simultaneously with *M. graminicola* or *H. oryzicola* inoculation followed by *M. graminicola* after 7 days.

EFFECT OF LIGHT OF DIFFERENT WAVE LENGTHS ON SOIL EXTRACTION OF *MELOIDOGYNE INCOGNITA* BY IMPROVED BAERMAN FUNNEL METHOD : S. D. Basu, B. Gope and B. Banerjee, Tea Research Association Tocklai Experimental Station Jorhat, Assam.

Improved Baerman Funnel technique under exposures to artificial light significantly increases extraction of root-knot nematodes from soil, though