

REACTION OF CULTIVARS OF TURNIP AND CANDYTUFT TO *TYLENCHORHYNCHUS BRASSICAE*

AKHTER H. KHAN, I. MAHMOOD AND S.K. SAXENA

*Department of Botany,
Aligarh Muslim University, Aligarh-202001, India.*

Abstract

Different cultivars of turnip (*Brassica rapa* L.) and candytuft (*Iberis amara* L.) were inoculated with 50,500 and 5000 specimens of *Tylenchorhynchus brassicae* per pot to determine their reaction to the nematode. None of the cultivar was resistant but they showed varying degree of susceptibility. The rate of reproduction of the nematode decreases with the increase in the inoculum level whereas the reduction in the growth of plant was directly proportional to the increase in the inoculum level. The cultivars Goldenball of turnip and Choice Mixed of candytuft were most susceptible while Early snowball of turnip and Local of candytuft showed tolerance. The cultivar showing the highest susceptibility supported the highest rate of multiplication of nematode.