

Occurrence and distribution of plant parasitic nematodes in different Khasi mandarin (*Citrus reticulata*, Blanco) orchards of Tinsukia district of Assam

B. Mahanta, B.N. Choudhury and Tabaruk Hussain

Received July 5, 2018 and Accepted September 8, 2018

ABSTRACT : A survey programme was undertaken to study the occurrence and distribution of plant parasitic nematode including citrus nematode (*Tylenchulus semipenetrans*) on Khasi mandarin in sixteen orchards of twelve localities of Tinsukia district of Assam during 2012-2013. The survey work revealed maximum frequency of occurrence 100 per cent frequency of occurrence of *T. semipenetrans* in soil as well as root in orchards of Nakhathalguri area of Tinsukia district of Assam. Maximum root population of this nematode was recorded in orchards of Dumsihatigarh. Besides *T. semipenetrans*, *Helicotylenchus* was recorded from most of the orchard surveyed.

Key Words : Khasi mandarin, citrus nematode (*Tylenchulus semipenetrans*), *Helicotylenchus*, frequency of occurrence.