

Distribution and occurrence of cyst nematodes (*Heterodera* spp.) in different agro-climatic zones of Rajasthan

S.K. Sharma, A.U. Siddiqui and A.K. Maru

Received February 25, 2017 and Accepted May 2, 2017

ABSTRACT : A systematic survey was conducted in different agro-climatic zones of Rajasthan. Out of 1087 samples 124 samples were found positive to heteroderid nematodes with 11.41 per cent occurrence of these nematodes in the state. *Heterodera avenae* was found most predominant species in 68 samples (54.83 per cent), followed by *H. zae* in 41 samples (33.06 per cent), *H. cajani* in 8 samples (6.45 per cent), *H. sorghi* in 6 samples (4.83 per cent). Maximum 16.67 per cent occurrence of heteroderid nematodes were recorded from zone II A, followed by Zone IC (15.56 per cent), Zone III A (14.81 per cent). Minimum 5.56 per cent occurrence was recorded from Zone II B.

Key Words: Survey, occurrence, *Heterodera*, heteroderid, nematodes, *H. avenae*, *H. zae*, *H. cajani* and *H. sorghi*.