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EMERGENCE OF INDIAN POPULATION OF CEREAL CYST NEMATODE, *HETERODERA AVENAE*

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Abstract

Investigations on the emergence of juveniles (J₂) from *Heterodera avenae* cysts during the absence of the host crop in natural conditions, revealed emergence from August onwards but not during May to July. The emergence of J₂ gradually increased from August onwards coinciding with the decline in temperature in nature. When low temperature and moisture are available, then the emergence of J₂ from the cysts occurred and such emergence of J₂ during the off season, in the absence of the host roots, is detrimental and does not contribute to the population build up. The magnitude of suicidal emergence recorded was 31%, which might vary depending on the prevalence of low temperatures during the nights and occurrence of the rains during August-October.