

CELLULAR ALTERATIONS IN MUNGBEAN ROOTS FOLLOWING INFECTION BY *MELOIDOGYNE INCOGNITA*

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Abstract

Cellular alterations of mungbean, (*Vigna radiate* (L.) Wilczek cv. Kawmy) roots infected with the root-knot nematode, *Meloidogyne incognita* (Kofoid & White) Chitwood revealed that 2nd stage nematode larvae penetrated the roots of mungbean by a puncturing action of the stylet and inter – intra cellular migration into the cortex and endodermis layers where the cells were damaged. Hypertrophy led to the formation of giant cells in cortical and stele regions. Presence of nematode females with egg-masses in gelatinous matrix was found in infected roots.