

POPULATION DYNAMICS OF INSECT PEST COMPLEX OF BRINJAL IN RELATION TO WEATHER PARAMETERS

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Abstract: An experimental trial was conducted to know the population dynamics of insect pest complex of brinjal in relation to weather parameters consecutively for two years during *Rabi* season 2018-19 and 2019-20 at BRAUSS campus, Mhow, (MP) India. Results revealed that the data on intensity and population fluctuation of major insect pests on *S. melongena*, along with prevailing weather conditions during *Rabi* 2018-19 and 2019-20 were recorded in field. Whitefly, *Bemisia tabaci* (Gennadius) (Hemiptera: Aleyrodidae), Jassid, *Amrasca biguttula biguttula* (Ishida) (Hemiptera: Cicadellidae), Aphid, *Aphis gossypii* (Glover) (Hemiptera: Aphididae) and Shoot and Fruit borer, *Leucinodes orbonalis* (Guen.) (Lepidoptera: Pyraustidae) and predators viz., Ladybird beetle, *Coccinella transversalis* (Fabricius) (Coleoptera: Coccinellidae) and Green lacewing, *Chrysoperla carnea* (Stephens) (Neuroptera: Chrysopidae) were recorded during the crop growth period.

Keywords: Population dynamics, Whitefly, Jassid, Aphid, Brinjal, *Leucinodes orbonalis* weather parameters

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