

SEASONAL INCIDENCE OF CORN EARWORM, *HELICOVERPA ARMIGERA* IN RELATION TO ABIOTIC PARAMETERS ON MAIZE

Saurabh Jaiswal, P.K. Bhagat, Shani Raj*, G.P. Painkra and K.L. Painkra

Department of Entomology, Raj Mohini Devi College of Agriculture and Research Station,
Ambikapur -497001 (C.G.) India

BTC, College of Agriculture and Research Station, Billaspur (C.G.) India
Email:saurabhjais.101@gmail.com

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Abstract: The field experiment was conducted at Raj Mohini Devi College of Agriculture and Research Station, Ambikapur (C.G.) during *kharif* 2019, to know the seasonal incidence of corn earworm, *Helicoverpa armigera* infesting maize. Corn earworm appeared during 31st SMW i.e. 28th July-5th August (2nd week). The peak population of corn earworm was observed in the first week of September with a mean population of 1.10 larvae/plant. The correlation between corn earworm, *Helicoverpa armigera* and weather parameters during *kharif* 2019 results indicated that the population demonstrated a significant positive correlation with maximum temperature ($r = 0.577$). The regression equation being $y = 2.805x + 26.97$ indicating that within increase in 1^oC maximum temperature there will be increase in population by 2.805.

Keywords: Correlation, *Helicoverpa armigera*, Incidence, Maize

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*Corresponding Author