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RESEARCH ARTICLE :

Seasonal incidence and correlation of abiotic factors against okra shoot and fruit borer (*Earias vittella* Fab.) during *Kharif* season

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KEY WORDS :
Okra shoot, Fruit borer, Standard week, Correlation, Seasonal incidence, Weather parameters

SUMMARY : Field experiment was carried out with a view to study the fluctuations in the population of okra shoot and fruit borer against prevailing weather conditions at student farm, college of Agriculture, Hyderabad, PJTSAU during *Kharif*-2015. The results recorded that the incidence of okra shoot and fruit borer was commenced in the 35th standard week (0.5 per plant), peak incidence were recorded in in terms of shoot infestation in 40th standard week (30.63%), fruit infestation on number basis in 42nd standard week (58.32%) and fruit infestation on weight basis recorded in 45th standard week (33.42%). Maximum larval population was noticed in 40th standard week (6.4 per 10 plants). Larval population, fruit damage on number and weight basis were significantly negatively correlated with maximum temperature and non-significantly negatively correlated with minimum temperature, relative humidity and rain fall. Incidence of shoot damage was significantly correlated with maximum temperature and minimum temperature and non-significantly negatively correlated with rain fall and relative humidity.

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