

SEASONAL INCIDENCE OF MAJOR INSECT PESTS OF OKRA AND CORRELATION WITH ABIOTIC FACTORS

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Abstract The field experiment was conducted at the Agronomy farm, College of Agriculture, (SKRAU), Bikaner, Rajasthan during summer, 2009 to study the seasonal incidence of major insect pests of okra and correlation with abiotic factors and revealed that the incidence of jassid started two weeks after germination of okra (third week of March), population increased rapidly and reached to its peak in the first week of April. The infestation of whitefly started in the third week of March and remained throughout the growth period. The infestation of shoot borer started in the fourth week of March and remained upto second week of May, being maximum in the first week of April. The infestation of shoot borer declined after fruit setting and completely disappeared thereafter. The infestation of fruit borer was recorded in the third week of April (seven weeks after germination) and remained upto last week of June with a maximum in the first week of May. Jassid, whitefly and fruit borer population was had not significant with maximum & minimum temperature, relative humidity and rainfall, while maximum and minimum temperatures had negative significant effect on the shoot borer infestation.

Keywords: Seasonal incidence, Abiotic factors, Jassid, Whitefly, Shoot, Fruit borer

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