

Prediction models for *Helicoverpa armigera* (Hubner) based on abiotic factors in chickpea ruling variety JG-11

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ABSTRACT :

Experiments were carried out on the weather based relationship of pod borer, *Helicoverpa armigera* (Hubner) during *Rabi* 2011-12 and 2012-13 at the Main Agricultural Research Station, Dharwad. The analysis comprised correlations between the pod damage with prevailing weekly meteorological parameters during 1, 2, 3 and 4 weeks lead time (prior) and same week of the observations revealed the following results. Forecasting model for per cent pod damage shown maximum temperature at 4 weeks lead time is consistently negatively and highly significant association with per cent pod damage in early sown crop. In case of normal and late sown crop, minimum temperature at 3 weeks lead time is consistently negatively and highly significant association with per cent pod damage by the prediction model.

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