

# Assessment of Damage Potential of *Spodoptera frugiperda* (J. E. Smith) at Different Crop Growth Stages of Maize

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## ABSTRACT

Experiment was carried out at RARS, Lam, Guntur, with four bulk plots during 2019-20 in both *kharif* and *rabi* in 500 m<sup>2</sup> area each to assess the damage potentials. First plot was maintained completely under unprotected conditions. Second and third plots were maintained in protected conditions up to knee height stage (40 DAS) and reproductive stage (60 DAS) respectively. Whereas fourth plot was maintained under completely protected conditions and data on per cent leaf damage was recorded at weekly interval. Completely unprotected plot recorded 40 and 36% leaf damage at 7 DAS, There -after damage was drastically increased and reached 100% at 42 and 49 DAS during *kharif* and *rabi* seasons respectively. Whereas, completely protected plot, 60 days protected plot and 40 days protected plot recorded 19.09, 45.69, 100% and 7.99, 44.10, 100% leaf damage at 98 DAS respectively during *kharif* and *rabi* seasons.

**Keywords:** *Spodoptera frugiperda*, *Completely unprotected plot*, *completely protected plot*, *60 days protected plot* and *40 days protected plot*.