

## Screening the Best Integrated Pest Management Treatments against *Helicoverpa armigera*

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**Abstract :** The research was conducted to screen out resistance and susceptibility of okra varieties against *Helicoverpa armigera* under field conditions 2016. In this experiment, the different management practices viz. release *Trichogramma chilonis*, hoeing, and weeding, clipping, and lufenuron were tested individually and with all possible combinations for the controlling of American bollworm at 3 diverse localities viz. University research farm Koont, National Agriculture Research Centre (NARC) and farmer field Taxila by using resistant variety Arka Anamika. All the treatment combinations regarding damage of shoot and fruit showed significant results. The minimum fruit infestation, i.e., 3.20% and 3.58% was recorded with combined treatment (i.e., *T. chilonis* + hoeing + weeding + lufenuron) in two different localities. The minimum shoot infestation, i.e., 7.18%, 7.08%, and 6.85% was also observed with (*T. chilonis* + hoeing + weeding + lufenuron) combined treatment at all three different localities. The above-combined treatment (*T. chilonis* + hoeing + weeding + lufenuron) also resulted in maximum yield at NARC and Taxila, i.e., 57.67 and 62.66 q/ha respectively. On the basis of combined treatment (i.e., *T. chilonis* + hoeing + weeding + lufenuron) in three different localities, Arka Anamika variety proved to be comparatively resistant against *H. armigera*. So this variety is recommended for the cultivation in Pothwar region to get maximum yield and minimum losses against *H. armigera*.

**Keywords :** okra, screening, combine treatment, *Helicoverpa armigera*

**Conference Title :** ICAEPM 2020 : International Conference on Agricultural Entomology and Pest Management

**Conference Location :** Dublin, Ireland

**Conference Dates :** June 25-26, 2020