

RESEARCH ARTICLE :

Evaluation of sequential application of new insecticides against *Helicoverpa armigera* (Hubner) on pigeonpea

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SUMMARY : Field experiments were conducted during *Kharif*, 2016 to evaluate the sequential application of new insecticides against *Helicoverpa armigera* on pigeonpea. Experimental results showed that the least number of *Helicoverpa* larvae per plant, pod damage and highest grain yield were spray sequential application of chlorantraniliprole 18.5%SC @ 30g a. i. /ha >flubendiamide 20 WG@ 73g a.i./ha and dimethoate 30 EC@ 600g a.i./ha which was at par with chlorantraniliprole 18.5%SC @ 30g a. i. /ha >indoxacarb 15.8 EC @ 73g a.i./ha and acetamiprid 20 SP@ 20g a.i. /ha. The treatment application of chlorantraniliprole 18.5%SC@ 30g a. i. /ha >flubendiamide20WG @ 73g a.i./ha and dimethoate 30 EC@ 600g a.i./ha per ha recorded highest increase in yield over control *i.e.* 2506 kg ha as well as higher cost benefit ratio of 1:9.11. The results indicated that chlorantraniliprole 18.5%SC @ 30g a. i. /ha >flubendiamide20WG@ 73g a.i./ha was more effective against *H. armigera*.

KEY WORDS :

Sequential,
Pigeonpea,
Helicoverpa armigera

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