

RESEARCH ARTICLE

Effectiveness of botanicals and chemicals against Bihar hairy caterpillar (*Spilarctia obliqua*) in cowpea

■ Ved Prakash and Arun Kumar Singh

SUMMARY

The Bihar hairy caterpillar is an important pest of cowpea in central part of Uttar Pradesh. Its infestation caused high plant mortality which resulted in reduction in yield. Botanicals and chemicals components were fast and highly effectiveness against *Spilarctia oblique* viz., endosulfan (foliar spray), carbofuran + bavistin (seed treatment), botanical and organic *Panchgavaya* (foliar spray), ipomea leaf (foliar spray), ipomea leaf + cow urine fermented (foliar spray), callotropis leaf (foliar spray), callotropis leaf + cow urine fermented (foliar spray), were evaluated during *Kharif* 2016 and 2017 at the University farm. All the insecticidal treatments were significantly superior to untreated check. Amongst these, maximum and minimum insect mortality was observed in endosulfan (70.83 %) and ipomea leaf+cow urine (31.13 %) treated plots, respectively.

Key Words : *Spilarctia oblique*, Botanicals, Organic, Chemicals

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