



**RESEARCH ARTICLE :**

## Efficacy of certain insecticides against diamondback moth (*Plutella xylostella* L.) on cabbage (*Brassica oleracea* Var. *Capitata* L.)

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**SUMMARY :** Diamondback moth (*Plutella xylostella* L.) the most important destructive pest on cruciferous plants including of cabbage (*Brassica oleracea* var. *capitata* L.) through chemical control is effective against diamondback moth, development of resistance to insecticides often necessitates continuous evaluation and new molecules to manage the pest keeping in this view, the present study was conducted to evaluate the efficacy of seven insecticides against the incidence of diamondback moth in cabbage cultivar US-2158. Among the tested insecticides, Spinosad 45% SC was found to be most effective with maximum reduction of larval population (61.79) to which was significantly suppress to control (64.12). Novaluron followed by chlorfenapyr 10% SC were least effective with larval reduction of 47.73 and 45.09%, respectively in conclusion, it was revealed that foliar application of Spinosad 45%EC at 30-10-2015 to 28-03-2016 is an effective manage chemical strategy to manage of incidence of diamondback moth is cabbage.

**KEY WORDS :**

Cabbage,  
Diamondback moth,  
Insecticides

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