

BIO-EFFICACY OF INSECTICIDE FORMULATIONS AGAINST TWO LEPIDOPTEROUS INSECTS OF RICE

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Received-20.08.2015, Revised-26.08.2015

Abstract: Extent of suppression of yellow stem borer *Scirpophaga incertulas* and leaf folder *Cnaphalocrocis medinalis* infestation on rice crop by six insecticides formulations was studied in the field conditions of rice variety swarna during two consecutive Kharif seasons of 2013 and 2014. Experiment was done following complete randomized block design and had three replications for each year. All treatments were significantly effective in checking stem borer infestation causing the decrease of both percent dead heart and folded leaves. Numerically least damage was recorded for profenophos + cypermethrin 44% @ 1000 ml/ha. during first and second spray for both 7 and 15 days after spraying as 3.83,4.50,7.16 and 7.84 percentage of dead heart/10 hills, respectively. In case of leaf folder during first and second spray for both 7 and 15 days after spraying the percentage folded leaves/10 hills noticed as 0.65,1.08,1.86 and 2.35 respectively with maximum yield of 49.64 q/ha.

Keywords: *Scirpophaga incertulas*, *Cnaphalocrocis medinalis*, Insecticide formulations

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