EVALUATION OF NEWER INSECTICIDES AGAINST WHITE BACKED PLANT HOPPER (SOGATELLA FURCIFERA HORVATH) OF RICE CROP.

Swati Sharma, Ashish Kumar Sharma, Sanjay Sharma and Damini Thawait

IGKV Raipur (CG) Email: daminithawait@gmail.com

Abstract: Rice is an important cereals crop of the world which is known to be attacked by large numbers of insect pest during its different development stages, out of this white backed plant hopper (*Sogatella furcifera*) is an important insect pest of rice. Evaluation of newer insecticides combine them with present one and new formulations of older molecules was thrust point of investigation viz. incidence of white backed plant hopper (*Sogatella furcifera*) was found in best reducing form by the application of ethiprole + imidacloprid @ 100g.a.i./ha and alika 247 ZC @ 44 g.a.i./ha were observed as effective insecticide for minimizing the WBPH incidence.

Keywords: Sogatella furcifera, cereal crop, insecticide

REFERENCES

Arora, R. and Dhaliwal, (1996). Agroecological change and insect pest problem in Indian Agriculture. Indian J. ecology, 23:109-112.

Bhavani, B. and Rao, P.R.M. (2005). Bioefficacy of certain insecticides against rice plant hoppers visà-vis natural enemies under irrigated field conditions. Indian Journal Plant Prtection. Vol. 33. No. 1: 64-67. Gupta, A.K. and Verma, R.A. (2001). Comparative effect of some granular insecticides against green leaf hopper (*Nephotettix virescens*) on Paddy crop. Indian J. Ent., 63(2): 109-113.

Panda, S.K. Samalo, A.P. and Shi, N. (1991). Efficacy of insecticides against white backed planthopper of rice and its predators . *Oryza* 28: 373-376.

Sastri, A.S.R.A.S., Rao, S.S. and Dwivedi, S.K. (2006). Chhattisgarh me Krishi ki Visheshtayan evm sambhavnyen. Krishi Smarika 2006. PP.9-11.

Seetha, Ramu, P. Punnaiah. K.C. Rao, G. Ramchandra and Rao, V. Srinivasa (2005). Bioefficacy of certain new insecticides against sucking insect pests of rice. J. Ent. Res., 29(3): 211-213.

Verma, Sakti (2006). Studies on paddy brown plant hopper infestation at farmer's field and bio-efficacy of some newer insecticides. Msc(Ag.) Thesis.