

## EFFICACY OF GRANULES AGAINST RICE STEM BORERS (*Tryporyza* spp.)

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### ABSTRACT

Studies on the six granular insecticides against *Tryporyza* spp. stem borer, revealed a significant reduction of borers infestation with maximum yield over check. Padan 4G followed by Diazinon 5G. & Curater 3G. resulted in lowest percent infestation of 6.00 %, 7.75 % and 8.25 %, respectively. While the maximum yield was produced by Padan (1895 kg/ha) as compared to the check (920 kg/ha) with percent infestation of 20 to 22.75.

### INTRODUCTION

Rice is a staple food and has an important position among cereals in our country. Rice is consumed by people of all Asian countries. It plays an important part in the economy of those land owners, the soil of which is salt ridden and water-logged. It was grown on an area of more than 73229 hac, with a production of more than 121793 met. tons during 1984-85 in N.W.F.P. Per acre yield of rice is very low in Pakistan as compared to other countries. Among the factors responsible for low yield of rice, insects pests are limiting factors, which cause both qualitative as well as quantitative damage to the crop. In spite of all modern agricultural practices the yield is not of the desired magnitude.

Out of insect pests that attack rice, stem borers are very important. The losses to rice crop by various rice stem borers and its different species have been estimated from 20 to 100 percent by various workers.

A number of authors have tested various systemic insecticides for controlling this pest in different parts of the world, because of their promptness direct and effective action with manifest results.

Abalos [1] concluded Sevidol, Endrin and Endosulfan as most effective against rice stem borer. Highest mortality of rice stem