

## SELECTIVE CONTROL OF GRASSES AND OTHER WEEDS IN TRANSPLANTED RICE

GUL HASSAN, MOHAMMAD RIAZ and ABDUL LATIF  
Agricultural Research Station, D.I. Khan.

INAYATULLAH AWAN  
Faculty of Agriculture, Gomal University, D.I. Khan.

### ABSTRACT

Four selective herbicides were tried for the control of different grasses and other weeds invading the rice crop during 1977 and 1978 at Agricultural Research Station Dera Ismail Khan. Hand weeded and unweeded checks were also employed for the sake of comparison. On the basis of data recorded on weed mortality/control and grain yield it was concluded that the herbicide Surcoper @ 8.5 Lit. a.i./ha. gave the best results by causing 53 % reduction in weed infestation and increasing yield of rice grains by 0.9 to 1.0 ton/ha. over the unweeded check. It was closely followed by Avirosan G @ 1.0 Kg a.i./ha. which controlled the infestation to the tune of 40 % and caused an increase of 0.7 to 1.0 ton/ha. as compared to the yield of un-weeded check. Both Avirosan and Surcoper produced as good yield as that of handweeded check. The application of Saturn G yielded 0.3 to 0.6 ton/ha. more than the weedy check and reduced infestation by 43 %. The Drepamon @ 5.0 Lit. a.i./ha. hardly controlled 25 % weed infestation and resulted in statistically equal yield with the handweeded check. It is suggested that further studies should be carried out on these herbicides by using them at different rates and growth stages so as to formulate suitable recommendations.

### INTRODUCTION

Rice (*Oryza sativa* L.) is a principal food of the teeming millions of the world. Although rice is the mainstay of the