ABSTRACT.

An account is given of trials with several herbicides applied post-emergence to rice.

In a preliminary trial, the effects of Amizol, T.C.A., C.M.U., D.N.B.P., and Dalapon are observed. From these five materials, D.N.B.P. showed sufficient promise to be included in the main trial.

The main trial investigates the response of rice at four weeks age to varying concentrations of both D.N.B.P. and 2,4-D (butoxyethanol ester), and the response of rice when sprayed at one week, two weeks - and weekly up to seven weeks after emergence with three levels of 2,4-D and D.N.B.P. The response in these latter studies is measured by total dry weight of the plant and graphs showing the alteration of responses in this way are included.

Recommendations for future work are made, particularly the further study of post-emergence applications of D.N.B.P. in the field.