

A B S T R A C T

1. The place of chemical weed control, especially pre-emergence applications, in rice cultivation has been discussed.
2. The technique for studying the toxicity of herbicides to rice has been further improved.
3. The effect of time of spraying on the toxicity of Amizol to rice has been studied. A suitable application rate on the same day as sowing without rain is 7-8 pounds per acre.
4. Rice was found to be very tolerant to P.C.P.
5. The toxicity of DNBP in rice was found to vary with rainfall conditions. The effect of time of rain is obscure but the effect of different amounts has been elucidated. A safe rate of application is about 3.5 pounds per acre.
6. The use of probit analysis has been discussed and attention drawn to its drawbacks.

N O T E:

Throughout the text the herbicides used have been called by the generally accepted name. Alternative names, including trade names, and chemical names are given in Appendix I.