

STUDY OF THE INTERACTION GENOTYPE AND ENVIRONMENT OF YIELD IN RICE AT MEKONG DELTA

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Summary

The experiment comprised of 8 lines were laid out in a randomized block design replicated three times at 8 different locations at winter spring and summer autumn season from Mekong delta. Analysis of variance indicated the presence of significant genetic variability among the genotypes for chalkiness under all the 6 location. All analyses of variance for yield that were pooled over the six locations. Genotypes x Environment (GxE) interactions were also found significant and the mean squares due to environment were highly significant indicating sufficient diversity among the environments. Eleven lines from two crossing from OM3673/RVT and OM3673/TLR 434 Among the lines, performed better by chalkiness highly in all the locations both satbility at winter spring and summer autumn seasons. This varieties is good for multilication in the future. The same short on: just like for the breeds not abdominal impact yield give hight yield such as BC3F3-5-14-1; BC3F3-50-80. However analysis genotype and the environment through the winter-spring season: BC3F3-5-14-1; BC3F3-50-80. Analysis of genotype and environment interaction on yield recorded in summer, there are lines of BC3F3-15-7-2, BC3F3-50-80 for a review index. Next is the line BC3F3-1-20-3.

Keywords: *AMM, Genotypes x Enviroment (GxE) interactions, yield.*