

Studies on Performance of Coloured and White Rice Genotypes

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ABSTRACT

The present investigation was undertaken with 33 coloured and white rice genotypes to identify promising slender grain genotypes with high yield and good nutrition quality. The study involved seven red pericarp, eight black pericarp and 17 white rice genotypes, in addition to the check, BPT 5204. The results revealed black pericarp genotypes to be high yielding with high grain number per panicle and greater panicle length, compared to the red pericarp and white rice genotypes studied in the present investigation. The red pericarp genotypes were in general noticed to be relatively tall and early with greater test weight and high antioxidant activity, compared to the black pericarp and white rice genotypes. Further, the red pericarp genotypes, BPT 3178 and BPT 3111; black pericarp genotypes, BPT 2848, BPT 3165, BPT 2841 and BPT 3145; and the white rice genotypes, BPT 2615, BPT 2782 and MTU 1281 were identified to be promising, high yielding and nutritionally rich rice genotypes, compared to BPT 5204.

Keywords: *Coloured Rice, Grain Yield, Mean performance and Nutritional Quality.*