YIELD PERFORMANCE OF TIKHUR (CURCUMA ANGUSTIFOLIA ROXB.) GENOTYPES IN NARAYANPUR DISTRICT OF CHHATTISGARH

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Abstract: The investigation was undertaken during the year of kharif season 2014-15 and 2015-16 at demonstration farm of KVK, Naraynapur. The experiment was laid out in Randomized Complete Block Design (RCBD) and experiment was conducted for evaluation of six genotypes of Tikhur (IGSJT-10-1, IGSJT-10-2, IGBT-10-1, IGBT-10-4, IGDMT-10-1 and Local Check) with three replications. The genotypes were grown randomly in each replication/block in a total of 18 plots of 3.0 m x 2.4 m each containing 60 plants per plot and planting spacing was 60 x 20 cm. Observations were recorded from ten randomly selected sample plants in each treatment and observed mean value used for statistical analysis. The result revealed that the maximum rhizome weight (327.5 g plant-1) maximum rhizome yield (27.30 t ha-1) and starch recovery 14.29 per cent was recorded in genotype IGSJT-10-2 and followed by IGSJT-10-1. On the basis of experimental results of two years pooled data the genotype IGSJT-10-2 may be recommended to farmers of Naraynapur district for commercial production.

Keywords: Tikhur, Curcuma angustifolia Roxb., Rhizome yield, Starch recovery per cent MLT

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