



RESEARCH PAPER

To study the effect of foliar spray of urea and NAA on the recovery percentage and yield of dry zinger (*Zingiber officinale roscoe*)

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Abstract : Study was conducted department of Horticulture at Kulbhaskar Ashram P.G. College, Allahabad during 2016-17. To study the effect of foliar spray of Urea and NAA on the recovery percentage and yield of dry ginger recovery was calculated variety Baruwa Sagar (21.95, 21.73 and 21.87 per cent recovery of dry ginger) was superior to Rio-de-Janeiro (21.42, 20.78 and 21.17 %) in first year second year and in pooled analysis. in case of urea concentration, the U_1 was superior to U_0 in both the year and in pooled mean. In respect of NAA on the concentration was increased from lower to higher *i.e.*, N_0 , N_1 and N_2 the recovery of dry ginger per cent was also found to increase in ascending orders. The value were 21.15, 21.64 and 22.27, 20.78, 21.38 and 21.90 and 20.96, 21.47 and 22.09 per cent in the first second year and in pooled mean, respectively. The yield of dry ginger in the important character to Judge the effect of urea and NAA on the varieties under observation. Production of dry ginger was more in variety Baruwa Sagar to the extent of 62.92, 61.73 and 62.32 q/ha in comparison to variety Rio-de-Jeneiro which gave 61.08, 59.50 and 60.29 q/ha in first and second year and in pooled mean. It also found that the production of dry ginger was maximum when NAA 400 PPM was applied (64.27 and 26.81) was quality good to NAA 200 PPM (63.63 and 62.20) and minimum in N_0 (58.09 and 56.81) in the first and second year. The interaction of urea with NAA showed that the production of dry ginger was maximum in $U_1 N_2$ followed by $U_1 N_1$ and minimum in $U_0 N_0$ showing values as 65.24 and 63.74, 64.34 and 62.54 and 54.39 and 53.28 q/ha, respectively in first and second year.

Key Words : Urea, NAA, Ginger

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