



RESEARCH PAPER

Yield potential of linseed genotypes influenced by nutrient levels under rainfed condition in Vidarbha region

J.R. Katore*, Beena Nair, Shilpa Rananaware, Rupali Damdar, J.M. Parbat and G.R. Kavalkar
All India Coordinated Research Project on Linseed, College of Agriculture (Dr. P.D.K.V.), Nagpur (M.S.) India
(Email : jivankatore@pdkv.ac.in)

Abstract : All India coordinated Research Project on linseed conducted a field experiment on Agriculture Farm, College of Agriculture, Nagpur under Dr. PDKV, Akola, Maharashtra during *Rabi* Season of 2019-20 in Factorial Randomized Block Design with three replication. Three genotypes NL – 356, JLS-95, T-397 were tested with three nutrient levels i.e. 50 % RDF, 100% RDF and 150 % RDF. The result revealed yield potential of the entry NL-356 was 26% highest over JLS-95 and 13% more on T-397 under *rainfed* condition. However, the increase in nutrient level from 50 % RDF to 150 % RDF influence the growth and yield attributes which favours the increase in yield. Therefore, it is concluded that genotype NL 356 with 100 % RDF achieve higher growth rate i.e. plant height, number of branches as well as yield attributes number of capsules per plant, number of seed per capsule and highest NMR and B:C ratio.

Key Words : Nutrient level, Genotype, Linseed, Rainfed

View Point Article : Katore, J.R., Nair, Beena, Rananaware, Shilpa, Damdar, Rupali, Parbat, J.M. and Kavalkar, G.R. (2021). Yield potential of linseed genotypes influenced by nutrient levels under rainfed condition in Vidarbha region. *Internat. J. agric. Sci.*, **17** (2) : 199-203, DOI:10.15740/HAS/IJAS/17.2/199-203. Copyright@2021: Hind Agri-Horticultural Society.

Article History : Received : 22.02.2021; Accepted : 14.03.2021