



RESEARCH PAPER

Impact of frontline demonstration on mustard (*Brassica jancea*) in Haridwar district of Uttrakhand

Yogendra Pal*, Deepti Chaudhari and Vinod Kumar
Krishi Vigyan Kendra (G.B.P.U.A. and T.), Dhanauri, Haridwar (Uttrakhand) India
(Email: ypsaini64@gmail.com, deeptichaudhari@rediffmail.com)

Abstract : The major constraint on the low productivity of mustard in the Tarai and Bhabhar areas of Uttrakhand was non-adoption of recommended package of practices and lack of awareness for balanced use of fertilizers. To replace this age-old technology, Krishi Vigyan Kendra Dhanauri conducted front-line demonstrations during Rabi season 2016-17 and 2017-18. Cultivation practices comprised of the recommended dose of fertilizers (120 kg N₂ + 40 kg P₂O₅ + 40 kg K₂O) with farmers' practices (120 kg DAP/ ha) in mustard. Results showed that the average yield obtained was 17.15 q/ha and 17.20 q/ha respectively under improved systems, whereas in Farmer's practice the yield was recorded 15.50 q/ha and 15.25 q/ha during 2016-17 and 2017-18 respectively. The average percent increase in yield with the recommended dose of fertilizers over farmers' practice was 11.7 percent. The extension gap recorded was 1.65 and 1.95 q/ha during 2016-17 and 2017-18 respectively.

Key Words : Mustard, Fertilizer, Economics, Technolgy index, B C ratio

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