

ROLE OF CLUSTER FRONT LINE DEMONSTRATIONS ON YIELD AND ECONOMICS OF MUSTARD (*BRASSICA JUNCEA L.*) IN NAGOUR DISTRICT OF RAJASTHAN

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Received-28.05.2021, Revised-09.06.2021, Accepted-20.06.2021

Abstract: Front line demonstration is an appropriate means for demonstration as well as transfer of improved agricultural innovations to the farming community. Under centrally sponsored schemes on oilseed production technology under NFSM schemes, KVK Maulasar conducted 478 demonstrations on different variety of mustard during Rabi, 2015-16 to 2019-20. The critical inputs were identified in existing production technology through discussion with farmers and on the basis of soil sampling. Lack of plant protection measures were the predominant identified causes of low productivity of oilseed crop in district Nagaur. In the same sequence the other parameters like technological impact, economical impact and extension gap were analyzed for impact assessment of cluster frontline demonstrations (CFLDs) on mustard crop. The results of five consecutive years study revealed that the average yield under demonstration plots was obtained 17.18 q/ha as compared to 14.66 q/ha in farmer plots. The average technology gap, extension gap & technological index were found 318 kg/ha, 312 kg/ha and 14.35 percent, respectively. Further, data showed that the average additional cost of cultivation (Rs. 2269/ha) under integrated crop management demonstrations and has fetched additional net returns of Rs. 14031 per hectare with incremental benefit: cost ratio of 0.35. The results clearly indicate the positive effect of CFLDs over the existing practices.

Keywords: Economic analysis, Extension gap, Technology gap, Technology index, Yield

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