

IMPACT OF FRONTLINE DEMONSTRATIONS ON CHICKPEA (*CICER ARIETINUM*) PRODUCTION, PRODUCTIVITY AND PROFITABILITY IN TRANSITIONAL PLAIN OF INLAND DRAINAGE ZONE OF RAJASTHAN

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Abstract: Pulses are well known richest source of vegetable protein and poor man's food because of its essential component of diet. The frontline demonstrations of chickpea crop was carried out by Krishi Vigyan Kendra, Nagaur-I, Agriculture University, Jodhpur during rabi seasons from 2011-12 to 2019-20 on 178.5 ha area with 382 demonstrations in different clusters of Nagaur district of Rajasthan. The results shows that demonstrations produced on an average 18.02 q/ha grain yield of chickpea, which was 24.18 per cent higher as compared to prevailing farmers practice (14.51 q/ha). The front line demonstrations fetched more average gross returns (Rs.60161/ha), net return (Rs. 37963/ha) and B:C ratio (2.76) with slightly higher investment on cost of cultivation (Rs.1663/ha) as compared to farmers practice. The increase in gross and net returns was in the tune of Rs.11960 and Rs. 10285 per hectare with incremental benefit: cost ratio of 0.33. The average extension gap, technology gap and technology index was 350kg/ha, 608 kg/ha and 25.2 per cent, respectively. It is also observed that majority of the respondent farmers expressed high (51.83%) to the medium (32.72%) level of satisfaction regarding the performance of chickpea under demonstrations.

Keywords: Chickpea, Front Line Demonstrations, Gap, Return, Satisfaction, Yield

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