

Technology Module under CFLD on Pulses 2018-19

Name of KVK	Dhule (Maharashtra)
Crop and Variety	Pigeon pea (Var. BDN 716)
Name of farmer & Address	Shri. Sunil Abhiman Patil, At & Po: Borvihir, Tal; Dist. Dhule
Details of technology demonstrated	<ul style="list-style-type: none"> • Demonstration of Improved variety (BDN 716) of Pigeon pea was given. This is the new improved variety utilized first time by the farmers. • Correction of deficiency of micronutrients (Fe) by application of micronutrients i.e FeSo₄ @ 20-25 kg/ha at sowing time in soil. • Foliar application of 13:00:45 (micronutrients) during flowering stage. • Use of Rhizobium and PSB for seed treatment before sowing. • Use of Spinsad 45 % measures for Pod borar
Institutional Involvement	<ul style="list-style-type: none"> • Group discussion and farmers meeting were conducted to get information on cropping pattern technology gap, Soil, crop rotation and irrigation facility. • Farmers training were conducted before conducting demonstration. • Field day was conducted on farmer's field just before harvesting of Pigeon pea and got feedback from farmers. • Dr. Vinay Kumar Scientist CICR, Nagpur and KVK Scientist visited demonstration plot .
Success Point	<ul style="list-style-type: none"> • BDN 716 var. of Pigeon pea is 160 to 165 Days maturing variety recommended by VNMKV, Parbhani for Maharashtra. • Use of Rizobium and PSB for seed treatment helped to increase the yield 10 to 15 %. • Use of 13:00:45 foliar spray at the time of flowering stage helped to increase the pod size and yield.
Farmer Feedback	<ul style="list-style-type: none"> • Short duration varieties are not available • Long duration varieties required protective irrigation and also delay sowing of Rabi crops. • BDN 716 gives higher yield in water stress condition
Yield (q/ha)	
Demonstration	10.42
Potential yield of variety/technology	20.00
District average	3.57
State average	3.59

Performance of technology vis-à-vis Local check (Increase in productivity and returns)

Practice used	Yield (q/ha)	Gross cost (Rs/ha)	Gross income (Rs/ha)	Net income (Rs/ha)	B:C ratio
Farmer practices	6.37	18995	32537	13542	1.71
Demonstration	10.42	21125	53127	32002	2.51
% Increase	38.86	-	-	57.68	-

Photographs



Visit of Dr. Vinay Kumar Scientist, CICR, Nagpur



Visit of District Seed officer Dhule

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