Success Story 2024-25

Season (Kharif/Rabi/Summer): Kharif

Name of KVK	Krishi Vigyan Kendra Pokharni Nanded-I
Crop and Variety	Soybean, MAUS-612
Name of farmer & Address	Shri.Sanjay Kishanrao Kadam, At.Khairgaon, Tq. Ardhapur, Dist-Nanded
Details of technology demonstrated	**Land preparation:** After land preparation well setup farmers planted soybean in dibbling method like two lines on one bed prepared by three feet distance with each beds in one acre. one acre area his required only 10 kg/acre seeds for dibbling with seed of MAUS-612. **Seed treatment:-**PSB+ Rhizobium 250ml + Trichoderma 100gm use for seed treatment. **Nutrient management:-**Soil application of Fertilizer 20:20:0:13 @60kg+10kgMOP as per soil test base at the time of sowing. **Plant protection:-1)** Foliar application of Lamda Cylothrin+Thimithaxon @15ml + 30ml Propacanozole + 100gm 19:19:19 water soluble fertilizer at 40 DAS. 2) Second Foliar application with emamectin benzoate 12gm+mancozeb+carbendazim 30 gm+ 12:61:0 100gm water soluble fertilizer +Zinc with micronutrient 50 ml at 55 DAS. 3) Foliar application of chlorantraniliprole @ 7 ml + 0:52:34@100gm water soluble fertilizer at 88 DAS. **General technology :-** 1) one weeding should be given at 30 DAS. 2) The application of herbicide of imazathyper+imazamox @40gm. 3) Application of FYM @ 5 tonn/ acre. 4) Soybean were sown on bed by dibbling method.
Institutional Involvement	The involvement of the KVK scientists plan the 25 demonstrations on the basis of improved variety of MAUS-612 are recommended on 0.4 ha and compare with farmer practice by the use of local variety JS-335 on that village. Conduct the farmer training programme field day, field school, Diagnostic field visit on different growth stages of the crop by the KVK Scientist Dr. Deshmukh D.A. Sr.scientist and Head(I/C), Mr. Kalyankar M.G. Scientist (Plant Protection), Mr. Jaybhaye S.H. Scientist (Agronomy), Maruti Suryawanshi (PTA) and Raju Yelpalwad (OTA).
Success Point	As per the below table revealed that yield level was increased by 48.80% over farmer cultivation practice. It is impact of the variety MAUS-612 dibbling on bed with whole package of technology. To effect of the increase of harvesting yield and improved the net profit of this farmer.
Farmer Feedback	1) This variety is resistant to yellow vein Mosaic virus. 2) No pod shuttering problem if harvesting delayed. 3) If this variety is dibbling on bed, the yield is above 20% more than normal sowing. 3) This variety was found to have higher number of pods, flowers and branches as compare to variety of JS-335. 4) No pod damaged in heavy rainfall on harvesting time. 5) If soybean sown on dibbling method seed can be save, 10-12 kg seed is required per acre.

Outcome Yield (q/ha)	Demonstration Yield: 31.25 Q/ha
- Potential yield of variety/technology	35 Q/ha
- District average (Previous year)	13.75 Q/ha
- State average (Previous year)	14.60 Q/ha

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

Specific Technology	Yield (q/ha)	Gross cost (Rs/ha)	Gross income (Rs/ha)	Net income (Rs/ha)	B:C ratio
Farmer practices	21	36400	94500	58100	2.59
Demonstration	31.25	39125	140625	101500	3.59
% Increase	48.80				

Good Quality Photographs: