

Details of technology demonstrated under cluster demonstrations: Rabi-Pulses (2015-16)

1. State-wise, crop-wise one promising technology demonstrated along with specific characteristics of technology demonstrated (Quality photographs may also be depicted)

State A: Odisha

Crop 1: Green Gram

Variety: TARM-1

Area (in Acre) & No. of Demonstration: 37.5 Acres, 34 Demonstrations

Promising technology demonstrated:

Seed Rate - 20 kg/ha., seed treated with Bavistin, Seed to be Inoculated with Rhizobium culture, Seed should be sown at a spacing of 30x10 cm., Irrigation to be ensured at critical stages of crop growth, plant protection practice for Mosaic, Powdery Mildew, Aphids & Pod Borer to be carried out.

Specific characteristics of technology and performance

Specific Technology	Demo Yield (q/ha)	Local check Yield (q/ha)	Yield gap (q/ha) over local check	Net Return	B:C
1. Seed treatment	7.92	4.60	3.32	30900	2.26
2. Line sowing					
3. INM					
4. Water Management					
5. IPM					

Yield (q/ha)

- Potential yield of variety/ technology: 10.0 q/ha
- Demonstration: 7.92 q/ha
- District average (previous year): 3.27 q/ha
- State average(Previous year): 5.08 q/ha
- National average Yield: 7.86 q/ha

2. State-wise success stories of farmers where highest yield was obtained (With quality photographs)

- i. Name of KVK: Sundargarh-II, Rourkela
- ii. Name and address of farmer along with photograph:
Pralad Roul, At./P.O. . Ruguda, block Bonei, Dist. Sundargarh.
- iii. Crop and variety : Green Gram, TARM-1
- iv. Details of technology demonstrated with package of practices:

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stages of crop growth, plant protection practice for Mosaic, Powdery Mildew, Aphids & Pod Borer to be carried out.

- v. Performance of technology vis-à-vis local check (increase in production & productivity with net returns) :

8.3 Q/ha, 3.7 Q more yield over the local practice, which is around 80 % more than the local practice

- vi. Farmers feedback for crop & technology: Prahalad Roul is very much happy with the performance of the variety as well as technology that demonstrated by KVK.
- vii. Quality photograph compared with local check condition.

