KVK: Krishi Vigyan Kendra, Imphal East (Andro)

Details of technology demonstrated under cluster demonstrations: PULSES (2017-18)

1. **State-wise, crop-wise one promising technology demonstrated along with specific characteristics of technology demonstrated :**

State A: Manipur

Crop 1: Greengram

Variety: IPM 2-3

Introduction: Cultivation of pulses in this region during kharif/rainy season is really a problem as all the fields are occupied with paddy, which is the main staple food of the state. In order to carry out the demonstration on kharif pulses, KVK, Imphal East identified few cultivable areas situated in the foothills after due consultation with the local leaders and farmer's club of that area. And finally, we have selected Shantipur for carrying out the demonstration, which is located at 24.973051 lattitude and 94.022236 longitude considering its land situation as well as interest of the farmers who are ready to go for pulses seed production. The demonstration was carried out on 10 ha area consisting of 11 farmers.

Promising technology demonstrated:

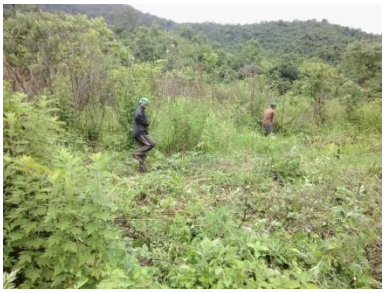
Improved cultivation of greengram
Seed rate : 20 kg/ha
Liming : 500 kg/ha applied before sowing
Seed treatment : Trichoderma biofertilizer @ 5ml/kg seed before sowing

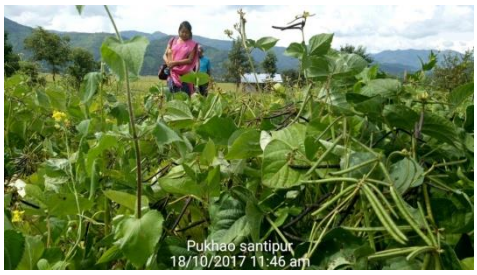
The field is ploughed two times and seeds are broadcasted uniformly and planking is done for covering the seeds by the clods.

Specific characteristics of technology and performance

Specific characteristic	Performance/Yield/disease Management (q/ha)	Quality photographs
The variety IPM 2-3 is a variety released by IIPR, Kanpur during 2009. This is a large seeded variety suitable for kharif as well as spring season and matures in 70-72 days with a yield potential of 10 q/ha. It	The greengram variety IPM 2-3 is a very high yielding variety itself. But under the rainfall situation that prevailed during the crop period, sowing could not be done on time and it was delayed upto 2nd week of September for some of the farmers. Out of the 10 ha area 4.5 ha got failed due to excessive rainfall and for the remaining area of 5.5 ha, the performance was low to medium. A total of 15 qt. Seed could be obtained from the demonstration, which is a great achievement of the farmers as it is the first time they are participating in pulse seed production programme. Out of the total produce, 170 kg could be retained as seed material. The remaining 1330 kgs	

is resistant to MYMV	have faced rain at the time of harvesting and threshing and could not be utilized for seed purpose.	



Performance of green gram var. IPM 2-3 at Shantipur

Yield (q/ha)

- Demonstration (q/ha): 4.92 q/ha
- District average (previous year)(q/ha): Not cultivated
- State average(Previous year)(q/ha): Not popularly cultivated
- Variety potential yield (q/ha): 10 q/ha

2. State-wise success stories of farmers where highest yield was obtained

i. **Name of KVK** : Krishi Vigyan Kendra, Imphal East (Andro)
ii. **Name and address of farmer** : L. Kunjamani Singh, Shantipur
iii. Crop and variety : Greengram var. IPM 2-3
iv. Details of technology demonstrated :

Improved cultivation of greengram :
Seed rate : 20 kg/ha;
Liming : 500 kg/ha applied before sowing;
Seed treatment : Trichoderma biofertilizer @ 5ml/kg seed

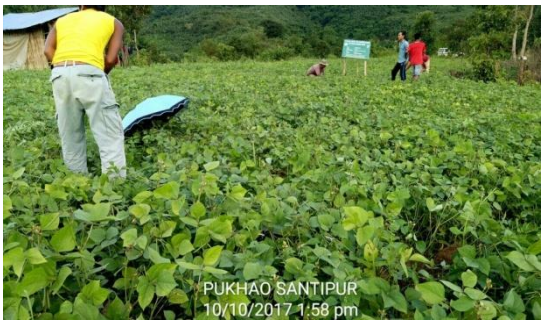
v. Performance of technology vis-à-vis local check (increase in productivity and returns) :
vi. Yield obtained :6.8 q/ha
vii. Institutional Involvement : Selection of site**,** organising training and demonstration programmes, provision of seed, seed treatment chemicals, lime, micronutrients, plant

protection chemicals, bearing the cost of first ploughing in order to encourage their spirit as the demonstration is first time in this area, regular monitoring of the fields, organisation of field day to celebrate success of the demonstration farmer.

viii. **Success Point :** Since rice is the staple food of the region, farmers are cultivating it during kharif season without thinking of another crop. However, KVK, Imphal East has been motivating the farmers to go for pulses seed production programme and earn extra income by utilising the unutilized wastelands located in the foothill areas where rice is not cultivated. As KVK, Imphal East have been allocated to conduct demonstration on 10 ha area on greengram crop and as suitable land was not available in the valley areas we started survey for identifying suitable areas specially in the uncultivated foothills where water logging is not there. All the way KVK, I/E has been motivating the farmers for taking up seed production programme giving assurance that their produce will be collected under the buyback programme at the university approved rate for procurement of seeds. As such 11 farmers were identified for taking up the demonstration programme. Shri L. Kunjamani Singh took up the demonstration on 1 ha area

ix. **Farmers feedback :** The farmer faced some problems in the harvesting of the greengram variety IPM-2-3 because of the unsynchronised maturity habit of the crop. Farmer also demand pre-sowing weedicides in next season for clearing their field as weed is a problem in the kharif season and crop weed competition is more. They also want a community work shed where they can harvest and pile their produce in case if rain comes to save their crop from complete damage. If all these facilities are made available the pulse seed production programme will be more successful in the years to come.

x. **Quality photographs:**



Performance of Green gram var. IPM 2-3 in the field of Shri L. Kunjamani Singh of Shantipur