Success Story

Wahengbam Ongbi Manichoubi Leima

Specific Technology:- Scientific cultivation of field pea var. Aman in rice fallow.

Name of KVK	KVK Bishnupur
Crop and variety	Field pea var. Aman
Name of farmer & address	Wahengbam Ongbi Manichoubi Leima, Kumbi Ward no. 2, Moirang Sub-Division, Bishnupur, Manipur - 795133
Background information about farmer field	Wahengbam Manichoubi Devi aged 63 years inhabited in Kumbi ward no. 2 village in Moirang block about 25 km from the district headquarter, Bishnupur, Manipur. Her field was located at Wangoo Keirap with $24^0$41'86.1" latitude and $93^0$79'59.9" longitude covering a total area of 2.0 ha. Because of varied reasons such as lack of irrigation facilities, uneven distribution of rainfall, late onset of monsoon, etc. she was unable to get good benefits from farming despite of her hardworking. Also she had little knowledge about cropping system that could be successfully planted after paddy, thereby leaving such areas fallow.
Details of technology demonstrated	Scientific cultivation of *rabi* pulses (chickpea, field pea and lentil) in rice fallow. Seed rate of field pea @ 60 kg/ha each, line sowing 30cm X 10 cm, seed treatment with Carbendazim @ 2g/kg, Rhizobium @ 50g+ 10g sugar per kg of seed.
Institutional involvement	Provided critical inputs viz. Field pea var. Aman, biofertilizer and pesticide. During the crop period, Senior Scientist & Head as well as scientist of Agronomy, Plant Protection and Soil Scientist regularly visited her field in every critical stages of the crop growing period. Also encouraged her to go for seed production and guided her for the availability of market for sale of seeds of *rabi* crops.
Success point	The programme has promoted efficient use of cultivated land in fallow areas, optimized use of available resources i.e., water, labour and other inputs. It has not only provided additional yield of pulses averaging 9.21 q/ha but also improved soil health due to fixation of atmospheric nitrogen by root nodules of legume crops such as chickpea, field pea and lentil. Farmers could earn a net income of Rs. 34670.00 they could get a return of Rs. 2.11 when Rs. 1 was invested.
Farmer feedback	She was satisfied with the technology because she could see the difference of her field where before it lies fallow after harvesting of paddy which she had grown last five years and kept her field barren for almost three years due to non-productive of the soil.

Yield (q/ha) - Potential yield of variety - District average (Previous year) - State average (Previous year)	 20-22 9.60 9.30

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

Used Practice	**Yield (q/ha)**	**Gross cost (Rs/ha)**	**Gross income (Rs/ha)**	**Net income (Rs/ha)**	**B:C ratio**
Farmer practices	785	28500	54950	26450	1.92
Demonstration	941	31200	65870	34670	2.11
% Increase	19.87	9.4	19.87	31.08	9.89

Quality Photographs: in .jpeg format