

A Success story on Field Pea (Var. Prakash) cultivation by the  
farmers from Dabbari Village, Salema Block, Dhalai District  
Tripura

**Name of KVK:** KVK, Dhalai, Salema

**Crop and Variety:** Field Pea(Var.Prakash)

**Name of farmer & Address:** Mr. Narayan Das, S/o. Jaykumar Das, Village:  
Dabbari, P.O: Salema, Dist. Dhalai, Tripura.

**Background information about farmer field:** A progressive farmer from Dabbari village holding 1.2 acre of land with educational background of Class – VII standard. He cultivates only rice during Kharif season and during rabi season vegetables like cabbage, cauliflower, brinjal, tomato etc. He also use to grow garden pea in 0.4 acre of land during rabi season. During 2018-19 he was given training at KVK, Dhalai on field pea cultivation by seeing the yield potential of the crop he was motivated to grow the variety IPFD 1-10 with modern package of practices.

**Details of technology demonstrated:** Application of FYM @ 12.5 t/ha.

**SEED TREATMENT WITH FUNGICIDES:** Seed treatment with Carbendazim (or) Thiram @ 2g/kg of seed 24hrs before sowing (or) with talc formulation of Trichoderma viride @ 4 g/kg seed (or) Pseudomonas fluorescens @ 10 g/kg seed.

**SEED RATE:** 40 Kg/ ha.

**FERTILIZER:** 20 kg N + 40 kg P<sub>2</sub>O<sub>5</sub> + 20 kg K<sub>2</sub>O per hectare

**TIME OF SOWING :** November 2018

**TIME OF HARVESTING:** (March 2019)

**Institutional Involvement:** In order to enhance the farm income and livelihood status of the farmers of Dhalai District, KVK-Dhalai, Salema made an interventions for cultivation of field pea crop with new technology under Cluster Frontline Demonstration(CFLD) 2018-19. This intervention would help the farmers to

overcome the problem in Field pea cultivation. Farmers were selected through personal interview & group discussion organized at different location. Before implementation of CFLD, details training on scientific package of practices , method demonstration on seed priming, seed inoculation etc. were provided to the farmers. KVK, Dhalai provided all the critical inputs like seeds, fertilizers, micronutrients etc. for successful demonstration on field pea cultivation to the selected farmers. Thereafter, regular monitoring of the demonstration programme was made by the institution through frequent field visits and timely advisory services.

**Success Point:** With technical guidance from KVK, Dhalai, Salema and with full resources from the institution this year he shifted from garden pea to field pea and cultivated in an area of 0.32 Ha. By following this scientific technology method in field pea cultivation he could get an yield of 13.5 q/ha . He got total yield of 432 kg from 0.32 ha area out of which he sold 350 Kg seed in the local market @ Rs. 80/- per Kg and kept 82 kg for seed purpose and home consumption.

**Farmer Feedback:** The farmers of Dabbari village were highly impressed and motivated by this technology by earning higher net income. And farmers of this village could think of growing rabi pulses like field pea successfully during rabi season.

**Outcome Yield (q/ha):**

- Demonstration: 14.2q / ha.
- Potential yield of variety / technology: 22/ ha
- District average (Previous year): 7.5 q/ha
- State average (Previous year): 9.8 q /ha

**Performance of technology vis-à-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	9.2	30000	33500	3500	1.12
Demonstration	14.2	32000	60000	28000	1.88
% Increase	92.59	6.7	79.10	700	67.85