

A Success story on Mustard (Var.NRC HB - 101) cultivation by  
the farmers from East Dalucherra Village, Salema Block, Dhalai  
District Tripura

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

**Crop and Variety:** Mustard(Var.NRC HB - 101)

**Name of farmer & Address:** Mr. Prafulla Debnath, S/o. Baghaban Debnath,  
Village: East Dalucherra, P.O: Salema, Dist. Dhalai, Tripura.

**Background information about farmer field:** A progressive farmer from East Dalucherra village who is holding 2 acre of land, educational qualification of Class - VII standard. He cultivates rice during Kharif season in 2 acre of land and some vegetables during Rabi season, where mustard is grown on a smaller scale of land in 0.2 acre only for home consumption. As mustard crop is preferred less by the farmer's due to non - availability of quality high yielding variety seeds in time, low yields and non-availability of oil expeller machine in the District. little knowledge and unaware of the improved agronomic management practices of Mustard cultivation like seed treatment, weeding, disease and pest management etc. leads to low productivity of mustard.

**Details of technology demonstrated:**

**Variety :** NRCHB101

**SEED RATE:** 4 Kg/ ha

**FERTILIZER:** 23:13:13 kg NPK/ha

**PLANT PROTECTION MEASURES:** Minor

**TIME OF SOWING :** Rabi 2018-19 (October to November)

**TIME OF HARVESTING:** (January –February 2019)

**Micronutrient :** Spraying of Boron @ 0.75 per cent at starting of flowering and second spray at 50 percent flowering.

**Institutional Involvement:** Before conducting demonstration on Mustard in farmers field data were collected by using personal interview method, Training need analysis of the farmers were done to find out the necessity of farmers towards technology requirement. Training were provided to the selected farmers in the KVK and supported with critical inputs like seed, micronutrient etc. to the trained farmers to overcome the problem in Mustard cultivation. During the cropping period time to time field visit were done and group discussions were conducted to bring out the problems faced by the farmers and necessary facilities were provided from the KVK.

**Success Point:** With technical guidance from KVK, Dhalai, Salema and with full resources from the institution this year he expand the area from 0.2 acre to 1.2 acre of land. By adopting the modern package of practices and quality seed he could increase his yield upto 56.92 percent. Almost all farmers (91%) cited positive impacts, particularly increased production by growing the new variety NRCHB 101.

**Farmer Feedback:** Mr. Debnath from East Dalucherra Village, Dhalai District, Tripura was extremely happy with the performance of the new variety and said that he could earn Rs. 33,200 within three months by cultivating the Mustard(Var. NRC HB – 101) provided by KVK, Dhalai, Salema.

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

- Demonstration: 10.2 q / ha
- Potential yield of variety / technology: 17.32.5 q / ha
- District average (Previous year): 7.6 q / ha
- State average (Pervious year): 8.5 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	6.5	25000	39000	14000	1.56
Demonstration	10.2	28000	61200	33200	2.18
% Increase	56.92		56.92	137.14	39.74