

## Success Story - Nutrient Management in No-Tillage Mustard

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Konjengbam Biteshwor Singh of Kwasiphai Maning Leikai, Khoijuman Khunou, Bishnupur, Manipur-795126 Located at Kwasiphai village, Bishnupur sub division, Bishnupur district 2 km from district Headquarter. After kharif paddy, he used to grow rapeseed without proper technical knowledge and as a result the yield was not up to his satisfaction.

### KVK intervention:

KVK Bishnupur paid a visit to Kwasiphai village for selecting site for conducting Cluster Front



Line Demonstration (CFLD) programme on Mustard var. NRCHB-101 under NMOOP. After interacting with the farmers, it was learnt that most of the

farmers left their land fallow during *rabi* season after paddy and some of them use to grow rapeseed that also without proper technical know-how of cultivating rapeseed/mustard and as a result the yield is not up to their satisfaction.

KVK Bishnupur conducted training on Improved package of practices of growing rapeseed/mustard and provided critical inputs such as seed, micronutrient and pesticide under the programme and the field was monitored time to time right from sowing to harvesting. Soil test were done and the soil of the farmer field was slightly acidic in reaction (pH 6.05), high in organic carbon (1.91%), medium in available nitrogen (345 kg N ha<sup>-1</sup>), phosphorus (28 kg P<sub>2</sub>O<sub>5</sub> ha<sup>-1</sup>) and potassium (255 kg K<sub>2</sub>O ha<sup>-1</sup>). The technology followed by the farmer is application of NPKS @ 40:20:20:20 kg/ha, Total Sulphur + SSP+1/2 MOP at or before sowing when there is moisture in the field, first ½ urea when 1-2 true leaves emerged and remaining half MOP at 25-30 days after first application.





### Success point

The yield was much better than the previous year and he could earn a handsome income which was very much beyond his expectation.

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

**Farmer feedback:** Wonders can be done in agriculture if investments are made in the right direction and farmers are equipped with the latest knowledge.

**Table: 1 Economics of Demonstration conducted**

Used Practice	Yield (q/ha)	Gross cost (Rs/ha)	Gross income (Rs/ha)	Net income (Rs/ha)	B:C ratio
Farmer practices	8.7	15000	47850	32850	3.19:1
Demonstration	10.62	20000	84960	64960	4.25:1
% Increase	22.06			97.74	

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