

Success Story

Season : Rabi
Specific technology name : Improved Mustard Production Technology (RH 761)

Name of KVK	Krishi Vigyan Kendra, Peterbar, Bokaro
Name of crop	Mustard
Name of variety	RH 761
Name of farmer	Sita Devi
Farmer address	Village –Jebra, Block- Petarbar, District – Bokaro
Background information about farmer field	Sita Devi is a progressive farmer from Jebra village, cultivating mustard on her 1-hectare field. Traditionally, she used local varieties and conventional practices, resulting in low yields and limited profitability.
Details of technology demonstrated	Variety-RH 761 + Seed rate 5kg/ha + Line sowing (30X10CM)+Seed treatment with Carbendazime @2kg/ha of seed, Soil application: Sulphur @ 22 kg/ha, Application of recommended dose of fertilizer (N ₅₀ ,P ₂₅ ,K ₂₅ ,S ₂₀) kg/ha. based on soil test Weed management by 2 hand weeding
Institutional Involvement	Krishi Vigyan Kendra, Peterbar, supplied quality seeds, Input, provided technical guidance, and conducted regular monitoring visits to ensure proper implementation of recommended practices.
Success point	By adopting the improved cultivation package, Sita Devi achieved a remarkable yield increase. Her mustard crop yielded 22.5 q/ha, significantly surpassing the district average (6.8 q/ha) and state average (8.19 q/ha), and approaching the potential yield of the RH 761 variety (25 q/ha).
Farmer feedback	Sita Devi expressed great satisfaction with the new technology. She observed vigorous crop growth, healthier plants, and a substantial boost in yield. She is enthusiastic about continuing these scientific practices in future seasons and recommends them to fellow farmers.
Outcome yield	11.2 q/ha
Potential yield of variety	25.00
District average	6.8
State average	8.19

Performance of technology vis-a-vis farmer (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 practice	7.6	26000	45220	19220	1.73
Demonstration	11.2	31000	66640	35640	2.14
% Increase	47.36	19.23	47.36	85.43	



Monitoring of mustard field

Field day on Mustard