Success Story

Season : Kharif

Specific technology name : Improved Sesame Cultivation Practices

Name of KVK	Krishi Vigyan Kendra, Peterbar, Bokaro
Name of crop	Sesame
Name of variety	GT-4
Name of farmer	Salik Murmu
Farmer address	Village – Ambatola, Block – Peterbar, District – Bokaro
Background information about farmer field	Salik Murmu, a hardworking and progressive farmer from Ambatola village in Peterbar block, Bokaro district, owns 1 hectare of cultivable land. Traditionally, he followed conventional methods for sesame cultivation, resulting in average yields and limited profits. In the Kharif season of 2024-25, Salik collaborated with Krishi Vigyan Kendra, Peterbar, to implement advanced sesame cultivation techniques to enhance productivity and income.
Details of technology demonstrated	Variety -GT-4 + Seed rate 6kg/ha + Line Sowing (30 x 10cm) + Seed treatment with Saaf, Soil application: Sulphur @ 22 kg/ha, Spray: Spinosad 45% SC @ 1 ml/liter, Time of sowing (15 June to 30 July), with N40P40K20S20, weeding after 25 days of sowing,
Institutional Involvement	Krishi Vigyan Kendra, Peterbar, provided input, technical guidance, training on improved practices, regular field monitoring, and timely advisory services to ensure successful crop management.
Success point	Adoption of high-yielding GT-4 variety improved yield potential. Precise seed rate and line sowing ensured uniform crop stand and better plant population. Integrated nutrient and pest management practices resulted in healthy crop growth. Timely weeding and expert guidance from KVK minimized crop losses and improved overall productivity
Farmer feedback	Salik Murmu shared, “With the support and guidance of KVK, I have seen a remarkable improvement in my sesame yield. The new techniques have made cultivation easier and more profitable. I am thankful for the regular visits and advice from the KVK team.”
Outcome yield	6.1 **q/ha**
Potential yield of variety	8.5
District average	3.8
State average	4.5

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	3.5	20500	32440	11940	1.58
Demonstration	6.1	26200	56530	30330	2.15
% Increase	74.28	27.80	74.26	154	

Field Day sesame crop

Monitoring of sesame crop