

Success Story

Season : Kharif
Specific technology name : Improved Niger Cultivation Practices

Name of KVK	Krishi Vigyan Kendra, Peterbar, Bokaro
Name of crop	Niger
Name of variety	JNS 29
Name of farmer	Geeta Devi
Farmer address	Village –Tondra, Block- Jaridih, District – Bokaro
Background information about farmer field	Geeta Devi is a committed and innovative farmer from Tondra village in Jaridih block, Bokaro district. She owns 1 hectare of cultivable land and has traditionally practiced conventional niger cultivation, resulting in moderate yields. In the Kharif season of 2024-25, she partnered with Krishi Vigyan Kendra, Peterbar, to adopt improved cultivation methods with the goal of increasing yield and profitability.
Details of technology demonstrated	Variety - JNS 29 + Seed rate 6kg/ha, Line sowing- spacing 30x15cm, Seed treatment with Saaf, Recommended Dose of nutrient N20P80K40S40, Soil application: Sulphur @ 22 kg/ha, Enhance yield with timely sowing Spray: Spinosad 45% SC @ 1 ml/liter
Institutional Involvement	Krishi Vigyan Kendra, Peterbar, provided Input, technical support, conducted training sessions on scientific niger cultivation, and offered regular field monitoring and timely advisory services throughout the crop cycle.
Success point	Introduction of high-yielding JNS 29 variety significantly improved productivity. Scientific line sowing and precise seed rate ensured better plant population and uniform crop stand. Integrated nutrient management and timely pest control led to healthy crop growth and reduced losses. Regular guidance and monitoring by KVK experts supported optimal crop management.
Farmer feedback	Geeta Devi shared, “The advanced techniques introduced by KVK have greatly increased my niger yield. The training and support from the KVK team have made a big difference in my farming. I am very satisfied with the results.”
Outcome yield	4.7 q/ha
Potential yield of variety	7.0
District average	3.2
State average	3.1

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	2.6	15600	22664	7064	1.45
Demonstration	4.7	17500	40970	23470	2.34
% Increase	80.76	12.17	80.77	232	



Monitoring of Niger Crop



Field day of Niger crop