

Success Story 2024-25

Season : Rabi
Specific technology name : Improved Lentil Cultivation with Pusa Ageti (L4717) Variety

Name of KVK	Krishi Vigyan Kendra, Peterwar Bokaro
Name of crop	Lentil
Name of variety	Pusa Ageti (L4717)
Name of farmer	Rohit Kumar Mahto
Farmer address	Village – Bagda, Block- Kasmar, District – Bokaro Aadhar No. 540320849860
Background information about farmer field	Rohit Kumar Mahto is a progressive farmer from Bagda village, cultivating lentil on his 1.2-hectare field. Previously, he used traditional varieties and practices, resulting in average yields and limited returns.
Details of technology demonstrated	Variety-PusaAgeti (L4717) + Seed rate 530kg/ha + Line sowing 30X10CM) +Seed treatment with Carbendazime @2kg/ha of seed, Soil application: Application of recommended dose of fertilizer (N ₂₀ , P ₅₀ , K ₂₅ , S ₂₀) kg/ha. based on soil test and Weed management by 2 hand weeding
Institutional Involvement	KrishiVigyan Kendra, PeterwarBokaro provided technical guidance, quality seeds, and regular field monitoring. The KVK also organized training sessions and field demonstrations for local farmers.
Success point	Adoption of improved variety and scientific practices enabled Rohit Kumar Mahto to achieve a yield of 11.5 q/ha, substantially higher than the district (6.5 q/ha) and state (8.2 q/ha) averages. This highlights the benefits of advanced agricultural technologies in increasing productivity and profitability.
Farmer feedback	Rohit Kumar Mahto expressed satisfaction with the new practices, noting better crop establishment, reduced disease incidence, and increased yield. He is motivated to continue these methods and recommends them to other farmers in his area.
Outcome yield	11.5 q/ha
Potential yield of variety	12.0
District average	6.5
State average	8.2

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	6.9	26500	46230	19730	1.74
Demonstration	11.5	31500	77050	45550	2.45
% Increase	66.67	18.86	66.66	130.86	



Lush lentil field under the CFLD Model Pulse Village Programme, showcasing healthy crop growth with active participation from local farmer Rohit Kumar Mahto and guidance from KVK Bokaro scientists.



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