

Success Story 2024-25

Season : Rabi
Specific technology name : Improved Black Gram Cultivation with IPU 02-43 Variety

Name of KVK	Krishi Vigyan Kendra, Peterwar Bokaro
Name of crop	Black Gram
Name of variety	IPU 02-43
Name of farmer	Md. Idrish Ansari
Farmer address	Village – Saharia, Block – Nawadih, District - Bokaro
Background information about farmer field	Md. Idrish Ansari is a dedicated farmer from Saharia village, cultivating black gram on his 1.5-hectare field. Traditionally, he relied on local varieties and conventional farming practices, resulting in average yields and limited profit.
Details of technology demonstrated	Variety -IPU 02-43, Seed Rate-20kg/ha + Line sowing (30x10cm) + Seed treatment -Saff @2gm/Kg + RDF 25:50:25:20 Kg NPKS based on soil test + two hand weeding (1st 20-25 DAS, and 2nd 40-45 DAS) + Indocsacarb15.80 SC
Institutional Involvement	Krishi Vigyan Kendra, Peterwar Bokaro provided technical guidance, quality seeds, and regular field supervision. The KVK also organized training sessions and field visits for knowledge sharing.
Success point	By adopting the improved cultivation practices, Md. Idrish Ansari achieved a yield of 11.5 q/ha, which is significantly higher than the district (7.1 q/ha) and state (8.2 q/ha) averages. This success demonstrates the effectiveness of scientific interventions in enhancing productivity.
Farmer feedback	Md. Idrish Ansari expressed great satisfaction with the improved practices, noting healthier crops, reduced pest incidence, and increased yield. He plans to continue these methods and encourages other farmers in his community to adopt them.
Outcome yield	12.8 q/ha
Potential yield of variety	14.0
District average	7.1
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	8.5	18500	62900	44400	3.4
Demonstration	12.8	22000	94720	52720	4.30
% Increase	84.51	18.9	50.58	18.73	



Field Day on Black Gram: Showcasing Best Cultivation Practices and Farmer Innovations



Lush Black Gram Field under CFLD Model Pulse Village Programme Showcasing Healthy Crop Growth