

GVT – Krishi Vigyan Kendra, Godda (Jharkhand)

Success Story Blackgram

Specific Technology:- Blackgram (PU - 31 + Line sowing + Rhizobium + PSB+ Pesticides + Micro nutrient

Name of KVK	GVT – Krishi Vigyan Kendra, Godda (Jharkhand)
Crop and variety	Blackgram var.: PU - 31
Name of farmer & address	Smt. Kiran Devi, Village – Paraspani, Block – Pathargamma, Godda, Mob. No.: 7763094558
Background information about farmer field	The field was sandy loam. Before sowing soil test was conducted to know the fertility status of the soil. The availability of NPK in the field was 236, 30 and 140 Kg/ha, respectively. The dose applied in the field was 25:50:25 and sulphur 20 Kg/ha.
Details of technology demonstrated	The crop variety of black gram was used PU - 31. At the time of field preparation liquid biofertilizer NPK – 1 (Azatobacter + PSB + KMB) was used with FYM. Sulphur @ 20 kg/ha was also used. Seed was treated with carbendazim and sown in line. Pesticides were also sprayed when the infestation of YVM was noticed above the threshold level.
Institutional involvement	Training, supply of the black gram seed (Var.: PU - 31), biofertilizer NPK – 1 (Azatobacter + PSB + KMB) and time to time technical advice.
Success point	Replacement of low yielding desi variety with the HYV PU - 31 along with soil test based fertilizer application is the success point.
Farmer feedback	This variety was found suitable under the agro climatic condition of Godda and incidence of YVM was found lesser in comparison to the local ones.
Outcome yield (q/ha) <ul style="list-style-type: none">- Demonstration- Potential yield of variety/technology- District average (Previous year)- State average (Previous year)	<ul style="list-style-type: none">9.8 q/ha12.5 q/ha5.75 q/ha8.02 q/ha

Performance of technology vis-à-vis Local check (Increase in productivity and returns)

Used Practice	Yield (q/ha)	Gross cost (Rs/ha)	Gross income (Rs/ha)	Net income (Rs/ha)	B:C ratio
Farmer practices	7.0	30000	42000	12000	1.40:1
Demonstration	9.8	32500	58800	26300	1.81:1
% Increase	40				

Quality Photographs: in .jpeg format

