

GVT – Krishi Vigyan Kendra, Godda (Jharkhand)

Success Story Horsegram

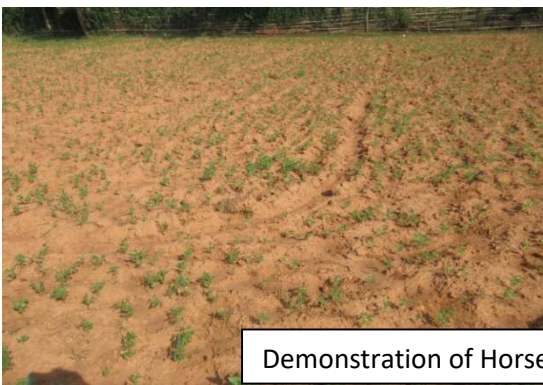
Specific Technology:- Horse gram (Birsa Kulthi – 1) + Rhizobium + Line sowing + Micro nutrient + Pesticides

Name of KVK	GVT – Krishi Vigyan Kendra, Godda (Jharkhand)
Crop and variety	Horsegram var.: Birsa kulthi - 1
Name of farmer & address	Smt. Marangmai Murmu, Village – Harla, Block – Pauriahaat, Godda, Mob. No.: 7781045096
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 246, 29 and 137.8 Kg/ha, respectively. The dose applied in the field was 20:40:20 and sulphur 20 Kg/ha.
Details of technology demonstrated	The crop variety of horsegram was used Birsa Kulthi - 1. 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 leaf hopper and pod borer was noticed above the threshold level.
Institutional involvement	Training, supply of the horsegram seed (Var.: Birsa Kulthi - 1), biofertilizer NPK – 1 (Azatobacter + PSB + KMB) and time to time technical advice.
Success point	Replacement of low yielding desi variety with the HYV Birsa kulthi - 1 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 insect pests was also low in comparison to desi 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">6.3 q/ha7.0 q/ha5.20 q/ha5.10 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	5.3	15800	26500	10700	1.68:1
Demonstration	6.3	17000	31500	14500	1.85:1
% Increase	18.87				

Quality Photographs: in .jpeg format



Demonstration of Horsegram var.: Birsa Kulthi - 1