

GVT – Krishi Vigyan Kendra, Godda (Jharkhand)

Success Story Format

Specific Technology: Sesame (Var.: RT - 346 + Biofertilizer + Micronutrient + Pesticide)

Name of KVK	GVT – Krishi Vigyan Kendra, Godda (Jharkhand)
Crop and variety	Seasme var.: RT - 346
Name of farmer & address	Sri Prem Lal Marandi, Village – Bara Sindri, Block – Sunderpahari, Godda, Mob. No.: 7783883454
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 237.6, 36.5 and 141.2 Kg/ha, respectively. The dose applied in the field was 40:40:20 Kg/ha.
Details of technology demonstrated	The crop variety was used RT - 346. 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 used when the infestation of leaf roller and capsule borer, gall fly above ETL was noticed in the field.
Institutional involvement	Training, supply of the sesame seed (Var.: RT - 346), biofertilizer NPK – 1 (Azatobacter + PSB + KMB), micronutrient and time to time technical advice.
Success point	Replacement of low yielding desi variety with the HYV RT – 346 along with soil test based fertilizer and micro nutrient application is the success point.
Farmer feedback	This duration of the variety is of 82 days. So suitable for second crop in rice fallow area.
Outcome yield (q/ha) <ul style="list-style-type: none">- Demonstration- Potential yield of variety/technology- District average (Previous year)- State average (Previous year)	6.2 q/ha 8.0 q/ha 3.21 q/ha 3.51 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	4.2	15000	25200	10200	1.68:1
Demonstration	6.2	18200	37200	19000	2.04:1
% Increase	47.62				

Quality Photographs: in .jpeg format

