

GVT – Krishi Vigyan Kendra, Godda (Jharkhand)

Success Story Pigeonpea

Specific Technology:- Pigeonpea (IPA – 203) + Line sowing + Rhizobium + PSB+ Pesticides + Micro nutrient

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| Name of KVK | GVT – Krishi Vigyan Kendra, Godda (Jharkhand) |
| Crop and variety | Pigeonpea var.: IPA - 203 |
| Name of farmer & address | Sri Betwa Hembram, Village – Mahuabathan, Block – Boarijore, Godda, Mob. No.: 7779995419 |
| 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 Pigeonpea was used IPA – 203. 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 pod borers was noticed above the threshold level. |
| Institutional involvement | Training, supply of the Pigeonpea seed (Var.: IPA – 203), biofertilizer NPK – 1 (Azatobacter + PSB + KMB) and time to time technical advice. |
| Success point | Replacement of low yielding desi variety with the HYV IPA - 203 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 fungal wilt was also below the threshold level. |
| 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">17.8 q/ha19.5 q/ha8.5 q/ha10.53 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 | 12.09 | 33200 | 60450 | 27250 | 1.82:1 |
| Demonstration | 17.8 | 35700 | 89000 | 53300 | 2.5:1 |
| % Increase | 47.23 | | | | |

Quality Photographs: in .jpeg format

