

Success Story on Cluster Demonstration of Kharif Pulse (Blackgram) KVK, Ganjam-II

Title: Initiative to boost income through Blackgram production in upland situation of Ganjam district

Name and address of the farmer:

Name : Kakiri Ramesh
Father's Name: K. Jagadish
Village: Siripur
Block: Chikiti, Ganjam
Adhar No: 252774145546



GPS Coordinate (Latitude & Longitude):19.236105 & 84.497867

Prologue:

Most of the upland of Ganjam district is dominated by short-duration rice during the Kharif season. As the upland is susceptible to drought and cyclones, rice cultivation fetches low yields and income that shatters the economic condition of farmers. Most of the farmers were searching for alternative options to increase their income and livelihood. Considering the above situation, KVK Ganjam-II has taken up Blackgram in 10ha area under the cluster demonstration programme during Kharif 2022 under the CFLD programme towards crop diversification from rice to pulse in Siripur and Kolipentha villages of Chikiti block.

Kakiri Ramesh is a small farmer who owns 0.86 ha of land in Siripur village. He was selected under the CFLD programme to cultivate blackgram in one acre area in the Kharif season. He was inspired and motivated by KVK Scientists towards improved crop management practices of to blackgram in his field and followed climate-resilient practices for higher income.

Blackgram variety OBG 33 (Shashi) and need-based inputs were supplied to 25 nos. farmers in 2 villages. Farmers were trained by KVK scientists through diagnostic field visits, selection of farmers for the programme, training and interaction with farmers on selection of suitable variety, soil testing, reclamation of soil, sowing time, maintaining proper spacing, nutrient management, weed management & plant protection, post harvest management etc. Regular diagnostic field visits are conducted by KVK scientists.

Technological Intervention:

KVK extended all possible support including seed rate@12kg/ha, seed treatment with Trichoderma viride @ 5gm per kg seed, seed inoculation with rhizobium culture @20 gm per kg of seed with line sowing of seed at the spacing of 25-30x10 cm. Farmers are advised to apply fertilizer @ 20-40-20 NPK per ha. with proper water management at critical stages for profuse growth of crop. KVK supplied water soluble fertilizer and plant growth regulators to boost production. Plant protection measures for mosaic and pod borer and seed storage in pro super gunny bags were taken during crop production.

Key Result/insight/interesting Fact:

From the above combined technological approach, the farmer got an increased yield of 50% to a tune of 6.9 q/ha from the earlier 3.6 q/ha with an average of 26 fruits per plant. The benefit-cost ratio shows that the net profit increased from Rs. 11900 to Rs.22300 per ha where the B:C ratio is 2.06 against the B:C ratio of 1.66 in farmers' practice. The technology spread horizontally to 4-5 villages in the vicinity.

Farmers were satisfied with his yield from the Blackgram variety. Shashi and his other fellow farmer friends went for the new variety. The Blackgram variety Shashi performed better in comparison to local varieties. The pod is soft and long; it is very much preferred by the farmers as well as consumers. This year, this variety has good coverage in the vicinity.

View of the farmers-

Farmers are very happy with this variety as it is earliest in fruiting from which they can get a good return for their produce. With his experience, Shri Kakiri Ramesh intends to grow blackgram in a larger area next year and also motivate other farmers to take up its cultivation.

Policy Implications:

The Agriculture Department may include this variety in their regular demonstration programme for a quick spread of this variety. Exposure to visits to the farmers within and outside the state by the Dept. of Agriculture, Govt. of Odisha can change the fate of farmers as well as help them to boost their income.

Photographs:



