

Success Story, CFLD Niger, 2024

Season (Kharif): 2024

Name of KVK	KVK, Kandhamal
Crop and Variety	Niger, Var.- Utkal Niger 150
Name of farmer & Address	Jasha Pradhan, Village- Sundardanda, Daringbadi
Background information about farmer field	During the rabi season, the farmer has grown cabbage and in summer season he has done summer ploughing. The soil was slightly acidic in nature with pH value of 5.93, level of available N is low to medium 374.5 kg/ha), available P is medium to high (11.4 kg/ha) and available K is also medium to high (134.5 kg/ha)
Details of technology demonstrated	Use of improved variety Utkal Niger 150, Seed rate @ 10 kg/ha, seed treatment with vitavax power @ 2 gm per kg seed, line sowing (with spacing 30×20 cm), application of Boron @ 1 kg/ha, Soil test-based fertilizer application (based on the recommended dose of 50:25:25 kg NPK/ha), Integrated disease and pest management.
Institutional Involvement	KVK provided training programme regarding scientific package of practices of niger, Selection of framers for conducting cluster frontline demonstration programme on niger, provided inputs for the above programme, diagnostic field visit and data collection, organized field day programme.
Success Point	Mr Jash Pradhan has succeeded on cultivating Niger var. Utkal niger 150 in 1 acre area after getting critical inputs like seed, seed treatment chemicals, micronutrients, plant protection chemicals, etc. from KVK, Kandhamal with scientific recommendations from KVK scientists. He could be able to pocket a net profit of Rs.32,500/-
Farmer Feedback	Framers of the villages are happy and highly appreciated the interventions. They are very much interested to adopt the proposed technologies in future.
Outcome Yield (q/ha)	
- Demonstration	5.6
- Potential yield of variety/technology	6.5
- District average (Previous year)	3.8
- State average (Previous year)	3.6

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

Specific Technology	Yield (q/ha)	Gross cost (Rs/ha)	Gross income (Rs/ha)	Net income (Rs/ha)	B:C ratio
Farmer practices	3.4	9,600	27,200	17,600	2.8
Demonstration	5.6	12,300	44,800	32,500	3.6
% Increase	64.7				

Photographs:

