

ATMA, Kurnool - PROFORMA FOR EVALUATING THE IMPACT OF TCGS 1694


Sl.No	Item	Details/Particulars		
1	Name of RBK	Ramallakota Village		
2	Mandal	Veldurthy		
3	District	Kurnool		
4	Name of the Collaborate farmer	Boya Palutlagari Ramakrishna S/o B.Palutlagari Venkatramudu		
5	Cell phone number of the farmer	Adhar No: 8409 7503 2904 Phone No: 6281163255		
6	Crop	Groundnut, Variety TCGS 1694 Survey No: 225-A Khata No: 922		
7	Area in which ICM followed (Ac)	1 Acre		
8	Gaps identified	1. Not doing Seed Treatment 2. Not Usage of zinc sulphate 3. Not Using Gypsum Application 4. Not adopting new Varieties of groundnut 5. Not planting of Border & Trap Crop etc		
9	Interventions/strategies adopted	1. Seed Treatment 2. Zinc sulphate application 3. Gypsum Application 4. New Varieties of groundnut 5. Border Crop & Trap Crop		
10	Cost of cultivation and yield/acre of TCGS 1694vs Kadiri 6 Plots			
S.No	Activity / farm operation	TCGS 1694	Kadiri 6	Difference
i	Preparatory cultivation	2700	2700	0
ii	Seeds & Sowing			
	a. cost of seed	Under Demo given on free of cost	4800	-4800
	b. cost of seed treatment	50	50	0
	c. Cost of sowing	1500	1500	0
	d. Cost of thinning	0	0	0
	Sub total	4250	9050	-4800
iii	Manures & fertilizers	0	0	0
	a. cost of organic & green manuring	2500	2500	0
	b. Application cost	0	0	0
	C. Cost of fertilizer	2100	2100	0
	d. Application cost	400	400	0
	Sub total	5000	5000	0
iv	Weed control			
	a. Cost of manual weeding	4000	4000	0
	b. Cost of herbicide if any	0	0	0
	Sub total	4000	4000	0
v	Plant protection			

	a. Cost of hand picking/ mechanical methods	0	0	0
	b. Cost of bio-agents	0	0	0
	c. cost of pesticides	1500	1500	0
	d. Cost of application	400	400	0
	e. Any other cost			
	Sub-total	1900	1900	0
vi	Irrigation cost if any (Drip)	0	0	0
vii	Cost of harvest	7000	7000	0
viii	Post harvest charges	0	0	0
ix	Any other (not included above) specify	0	0	0
	Total cost of cultivation	22150	26950	-4800
x	Yield kgs/acre & returns	10.80 Quintals	9.20 Quintals	1.60 Quintals
	a. Date of Sowing	20.07.2023	20.07.2023	
	b. Date of harvesting	30-10-2023	30-10-2023	
	b.Qty. produced per acre	28 Bags	14 Bags	Bajra 10 Bags
	c.Gross returns received per acre	82500-00	30000-00	52500-00
	d.Total cost involved per acre	22150-00	26950-00	- 4800-00
	e. Net returns per acre	60350-00	3050-00	57300-00
	f. Cost benefit ratio	1:2.72	1: 0.10	
11	ADDITIONAL INCOME THROUGH BORDER CROP – BAJRA CROP			
	Received 10 packets of bajra @ 10*45 Kgs – total 450 kgs			
	Sold to neighbors for roti purpose @ Rs. 2600 per 100 kgs = Total Returns = Rs. 11700=00			
111	IMPACT OF TCGS 1694 ON DIFFERENT PARAMETRES			
	Impact of TCGS 1694	<ul style="list-style-type: none"> i. Grown new varieties TCGS 1694, along with Kadiri 6 as control ii. Reduced the indiscriminate usage of fertilizers& pesticides and conservation of Natural enemies iii.seed treatment with Trichoderma viridi @10grams per kg seed iv. Low pest & disease incidence observed in TCGS 1694- Rust and Cercospora leaf spot vi. Basal Application of Micronutrients (Zinc Sulphate @10kg per acre) v. Zypsum Application 200 kgs per Acre at Flowering stage vi. Bajra as Border crop, Castor and Sunflower crops as trap crops and arranged bird patches also vii. Sparing of neem oil two times viii. By implementing the ICM, IPM, INM, IDM, WM, FM practices will give great impact on good performance of TCGS 1694. 		

Feed back of the farmers on conduct of demonstration

1. Farmer is very happy with **TCGS 1694 demonstration in his field**
2. Good yield received with **TCGS 1694 when compare with Kadiri 6**
3. Rs 11000 received as additional income through border crop with guidance of Agri Dept
4. I am happily recommend this new variety **TCGS 1694 to my neighbor farmers**


23/11/23


23/11/23
Project Director
ATMA, Kurnool.