

**CLUSTER DEMONSTRATION
ON
KHARIF GROUNDNUT, 2016**

Cluster Demonstration on Kharif Groundnut var. Devi

- Crop & variety Groundnut, Devi
- Season & Year Kharif, 2016
- Village Mandapada, GP- Ranagundi, Block- Danagadi
- Area (ha) 30 ha No. of beneficiaries- 44
- Farming Situation Rainfed medium land

Characteristics of the variety demonstrated :

- Duration- 95-105 days, Oil content 48%,
- Two seeded pods , dull white in colour, Potential yield – 15 Q/ha

Technology demonstrated :

- Soil application with Gypsum@2.5q/ha
- Seed treatment with vitavax (p) @2gm/ kg seed
- seed inoculation with Rhizobium culture @20gm/kg
- Soil test based fertilizer application
- Inter culture operation manual weeding and hoeing after 25 DAS
- Application of Indoxacarb @1ml/lit

Yield of demonstration	District Avg. Yield	State Avg. Yield
17.9 q/ha	16.04 q/ha	18.21 q/ha



Seed treatment with Vitavax power



Sowing of groundnut seed



Spraying of chemicals



**Visit of Monitoring team
(groundnut field) on 17.09.16**



**Field visit of Sr. Scientist &
Scientists of KVK**



**Field Day of groundnut
on 8.11.16**



**Use of groundnut digger
for harvesting**

Results	Yield (q/ha)	% change in Yield	Noof pods/plant	cost of cultivation (Rs/ha)	Avg. Gross return(Rs.)	Net Income (Rs./ha)	BC Ratio**
FP	13.6	24%		34800	54400	19600	1.56
RP	17.9			35500	71600	36100	2.01

CLUSTER DEMONSTRATION ON KHARIF BLACKGRAM

Cluster Demonstration on Blackgram var. PU-31

- Crop & variety Blackgram, PU-31
- Season & Year Kharif, 2016
- Village Kankadapala, GP- Kankadapala Block- Sukinda,
- Area (ha) 30 ha No. of beneficiaries- 61
- Farming Situation Rainfed medium land

Characteristics of the variety demonstrated :

- Bold seeded , Duration- 75 days
- Tolerant to YMV, Potential yield- 12.5 q/ha

Technology demonstrated :

- seed treatment with Vitavax (p) @2.5gm/kg seeds
- seed inoculation with Rhizobium culture @20gm/kg of seed
- Soil test based fertilizer application
- Intercultural operation, manual weeding & hoeing after 25 DAS
- Need based irrigation
- Application of Trizophos @2ml/1 liter of water
- Application of fungicides (Carbendizim + Mancozeb) @2gm/1 lit of water

Yield of demonstration	District Avg. Yield	State Avg. Yield
8.5 q/ha	3.24 q/ha	3.12 q/ha



Field visit of Sr. Scientist & Scientists of KVK



Visit of Monitoring team (blackgram field) on 17.09.16



Field visit of Monitoring team on 17.09.2016



Field Day off blackgram on 8.11.16

Results	Yield (q/ha)	% change in Yield	Noof pods/plant	cost of cultivation (Rs/ha)	Avg. Gross return(Rs.)	Net Income (Rs./ha)	BC Ratio**
FP	6.2	37%		20800	31310	10510	1.50
RP	8.5			22200	42925	20725	1.93

**CLUSTER DEMONSTRATION
ON
RABI GROUNDNUT, 2016-17**

Cluster Demonstration on Rabi Groundnut var. Devi

- Crop & variety Groundnut, Devi
- Season & Year Rabi, 2016-17
- Village Dihakuransa, GP- Rahamba Block- Rasulpur
- Area (ha) 30 ha No. of beneficiaries- 62
- Farming Situation Irrigated medium land

Characteristics of the variety demonstrated :

- Duration- 95-105 days, Oil content 48%,
- Two seeded pods , dull white in colour, Potential yield -22-25Q/ha

Technology demonstrated :

- Soil application with Gypsum@2.5q/ha
- Seed treatment with vitavax (p) @2gm/ kg seed
- seed inoculation with Rhizobium culture @20gm/kg
- Soil test based fertilizer application
- Inter culture operation manual weeding and hoeing after 25 DAS
- Need based irrigation
- Application off Indoxacarb @1ml/lit



Seed treatment with Vitavax power



Sowing by tractor drawn seed cum fertilizer drill



Manual weeding



Field visit by Sr. Scientist & Scientist of KVK

CLUSTER DEMONSTRATION ON MUSTARD

Cluster Demonstration on Mustard var. M-27

- Crop & variety Toria Var. M-27
- Season & Year Rabi, 2016-17
- Village Brundadeipur, GP-Brudadeipur, Block - Dharmasala
- Area (ha) 15 ha No. of beneficiaries- 24
- Farming Situation Irrigated medium land

Characteristics of the variety demonstrated :

- Duration- 75-80 days, Oil content 45%, medium height, profuse branching medium brown seed
- Potential yield -10-12 Q/ha

Technology demonstrated :

- ❖ Application off gypsum 250 kg/ha
- ❖ Seed treatment with vitavax (P) 2gm/kg of seed
- ❖ Soil test based fertilizer application
- ❖ Intercultural operation manual weeding and hoeing after 25 DAS
- ❖ .Need based irrigation
- ❖ Spraying of Thiomethoxam 5ml/15 liter of water
- ❖ Application of Trizophos @2ml/1 liter of water



Sowing of mustard seed by zero till drill



Sowing of mustard seed by seed cum fertilizer drill



Mustard Field