

Crops: Groundnut : 30 ha

Sesamum : 30 ha &

Blackgram : 20 ha

Crop &Variety	Season & year	Area (ha)	No. of farmers	Village	Block
Groundnut (Smruti)	Kharif, 2016	30	7 5	Tukuda	Chhendipada

Problem		Improper crop management (absence of seed treatment, herbicide and				
Technology demon	strated	micro-nutrient application) leading to low yield Seed treatment with carboxin + thiram, Application of herbicide (pendimethalin), Application of micro-nutrient (sulphur), Timely plant				
		protection measures (application of prophenophos + cypermethrin against thrips)				
Growth Parameters	S	Result indicators	Performance			
			Demo	Local check		
Plant height	: 38.7 cm	Yield (q/ha)	19.1	17.2		
Branches /plant	: 7.8 nos	Gross Cost (Rs/ha)	40000	38000		
Pods / plant	: 20.8 nos.	Gross Return (Rs/ha)	76400	68800		
Seeds/pod	: 2.1 nos.	Net Return (Rs/ha)	36400	30800		
		B:C Ratio	1.91	1.81		



















Crop &Variety	Season & year	Area (ha)	No. of farmers	Village	Block
Sesamum (Uma)	Kharif, 2016	30	75	Jamunali	Chhendipada

Problems		Improper crop management (absence of seed treatment, herbicide				
		application) leading to low	application) leading to low yield			
Technology demons	trated	Seed treatment with carboxin + thiram, Application of micro-nutrient (sulphur), Application of herbicide (pendimethalin), Timely plant protection measures (application of prophenophos + cypermethrine against leaf webber and capsule borer)				
Growth Parameters		Result indicators	Performance			
			Demo	Local check		
Plant height	: 87.5 cm	Yield (q/ha)	6.1	4.9		
Branches /plant	: 5.2 nos	Gross Cost (Rs/ha)	20000	18000		
Capsules / plant	: 22.4 nos.	Gross Return (Rs/ha)	48800	39200		
Seeds/capsule	: 52.3 nos.	Net Return (Rs/ha)	28800	21200		
		B:C Ratio	2.44	2.18		



















Crop &Variety	Season & year	Area (ha)	No. of	farmers	Villag	ge	Block
Blackgram (PU- 35)	Kharif, 2016	20		50	Damoda Balipa	•	Athamallik
Problems		Traditional variety with improper crop man treatment and herbicide application) leading					
Technology demo		Tillage by tractor operated rotavator, Line sowing by tractor operate multi-crop planter, Use of good variety / quality of seed (PU-35), See treatment with carboxin + thiram, Application of herbicid (pendimethalin), Timely plant protection measures (application of prophenophos + cypermethrine against aphids and white fly)					d (PU-35), Seed of herbicide (application of
Growth Paramete	rs	Result indicat	ors		Perfo	ormance	
0.00				De	emo	Lo	ocal check
Plant height	: 44.6 cm	Yield (q/ha)			5.1		4.2
Branches /plant	: 8.2 nos	Gross Cost (Rs/ha)	15	000		13000
Pods / plant	: 19.6 nos.	Gross Return (Rs/	ha)	35	700		29400
Seeds/pod	: 8.1 nos.	Net Return (Rs/ha	1)	20700			16400
		B:C Ratio		2	.38		2.26





















Crops: Groundnut : 30 ha

Sesamum : 30 ha

Mustard : 30 ha &

Greengram : 30 ha

Crop &Variety	Season & year	Area (ha)	No. of farmers	Village	Block
Groundnut (Devi)	Rabi, 2016-17	30	7 5	Jaripal	Chhendipada

Problems	Traditional variety with improper crop management (absence of settreatment) leading to low yield						
Technology demor	eatment with carboxin +						
Growth Parameters		Result indicators	Result indicators Performance				
			Demo	Local check			
Plant height	: 37.5 cm	Yield (q/ha)	23.6	19.2			
Branches /plant	: 7.5 nos.	Gross Cost (Rs/ha)	42000	40000			
Pods / plant	: 24.4	Gross Return (Rs/ha)	94400	76800			
Seeds/pod	: 2.04	Net Return (Rs/ha)	52400	36800			
		B:C Ratio	2.25	1.92			















Crop &Variety	Season & year	Area (ha)	No. of farmers	Village	Block
Mustard (Mahyco Bold)	Rabi, 2016-17	30	75	Dangapal, Nuagaon & Jaripal	Chhendipada

Problems		Traditional variety with improper crop management (absence of seed treatment, micro-nutrient application) leading to low yield					
Technology demonstrated Good variety (var. Mahyco bold), Seed treatment var. Mahyco bold), Seed treatment v							
Growth Parameter	S	Result indicators	Performance				
			Demo	Local check			
Plant height	: 141.2 cm	Yield (q/ha)	8.6	6.5			
Branches /plant	: 7.3 nos.	Gross Cost (Rs/ha)	20000	18000			
Siliquae / plant	:184.6 nos.	Gross Return (Rs/ha)	60200	45500			
Seeds/siliqua	: 12.4 nos.	Net Return (Rs/ha)	40200	27500			
		B:C Ratio	3.01	2.53			
Status		Harvested during last week of January					









Crop &Variety	Season & year	Area (ha)	No. of farmers	Village	Block
Sesamum (Kalika)	Rabi, 2016-17	30	7 5	Tukuda	Chhendipada

Problems	-	Traditional variety with improper crop management (absence of seed				
treatment, micro-nutrient application) leading to low yield						
Technology demons	trated	Seed (var. Kalika), Seed t	reatment with carbox	kin + thiram, Application		
		of micro-nutrient (S),	spraying of prophen	ophos + cypermethrin		
		against leaf webber and capsule borer				
Growth Parameters		Result indicators	Performance			
	1		Demo	Local check		
Plant height	: 125 cm	Yield (q/ha)	6.5	5.1		
Branches /plant	: 6.7 nos.	Gross Cost (Rs/ha)	17000	15000		
Capsules / plant	: 116.4nos.	Gross Return (Rs/ha)	45500	35700		
Seeds/capsule	: 51.4 nos.	Net Return (Rs/ha)	28500	20700		
		B:C Ratio	2.68	2.38		







Crop &Variety	Season & year	Area (ha)	No. of farmers	Village	Block
Greengram (TARM-1)	Rabi, 2016-17	30	75	Sanjamura	Kishorenagar

Problems		Traditional variety with improper crop management (absence of seed		
		treatment, micro-nutrient application) leading to low yield		
Technology demonstrated		Good variety with good quality seed (var. TARM-1), seed treatment with carboxin + thiram, application of micro-nutrient (Boron) and appln. of imidachloprid against aphid		
Growth Parameters		Result indicators	Performance	
			Demo	Local check
Plant height	: 43.2 cm	Yield (q/ha)	7.2	5.3
Branches /plant	: 7.6	Gross Cost (Rs/ha)	17500	15000
Pods / plant	: 41.3	Gross Return (Rs/ha)	50400	37100
Seeds/pod	: 10	Net Return (Rs/ha)	32900	22100
		B:C Ratio	2.88	2.47
Status		Harvested during 3 rd week of March		













