ANNUAL PROGRESS REPORT

For the Year 2013-14

Krishi Vigyan Kendra, Angul

Zone - VII

Orissa University of Agriculture & Technology
Bhubaneswar, Odisha

REPORTING PERIOD – April 2013 to March 2014

Summary of KVK Annual Report (Quantifiable Achievement) for the year 2013-14

S.N.	Quantifiable Achievement	Number	Beneficiaries (nos.)	
1	**On Farm Testing**			
	Proposed OFT	**23**	219	
	On Going OFT	**05**	80	
	Technologies assessed (Completed OFT)	**22**	219	
	Technologies refined	**01**	01	
	On farm trials conducted	**22**	218	
2	**Frontline demonstrations**			
	Proposed Frontline demonstrations	28	209	
	On Going Frontline demonstrations	05	35	
	FLDs conducted on crops	16	129	
	Area under crops (ha.)	31.1	129	
	FLD on farm implement and tools	04	20	
	FLD on livestock/ AH enterprises (Dairy/ Sheep and Goat/Poultry/ Duckery/ Piggery etc.)	01	10	
	FLD on Fisheries - Finger lings	04	20	
	FLD on other enterprises (Bee keeping, lac, mushroom, sericulture, value addition, vermi compost, etc.)	-	-	
	FLD on Women in Agriculture - (Nutritional garden, Income generation, Value addition, Drudgery reduction, etc.)	03	30	
3	**Training programmes**	**No. of Course**	**Duration (days)**	**Participants**
	Farmers	68	87	1458
	Farm women	10	11	515
	Rural youth	14	27	218
	Extension personnel/ In service	10	10	100
	Vocational trainings	1	5	10
	Sponsored Training	-	-	-
	Total	103	140	2301
		No. of programmes	**Participants**	
4	**Extension Programmes**	341	3397	
5	**Production of technology inputs etc**	**Qty**	**Beneficiaries (nos.)**	
	Seed (qt.)	10	32	
	Planting material produced (nos.)	360800	236	
6	**Livestock**	**Qty**	**Beneficiaries (nos.)**	
	Livestock strains (Nos)	-	-	
	Milk Yield - Cow, Buffelo etc. (in liter)	-	-	
	Fish (Kg.)	-	-	
	Fingerlings (nos.)	-	-	
	Poultry-Eggs (nos.)	-	-	
	Ducks (nos.)	-	-	
	Chicks etc. (nos.)	-	-	

S.N.	Quantifiable Achievement	Number	Beneficiaries (nos.)	
7	**Bio Products**	**Qty**	**Beneficiaries (nos.)**	
	Bio Agents -Earth worm (Kg.)	-	-	
	Trichoderma (kg.)	-	-	
	Bio Fertilizers- Vermi compost, Rhizobium, PSB , BGA , Mycorriza , Azotobacter , Azospirillum etc. (Kg.)	**1500**	45	
	Bio Pesticide-Panchgavya, Neem Extract, Neem oil etc.(lit.)	-	-	
8	**Any other significant achievement in the Zone**	**Nos.**	**Participants/ beneficiaries**	
	Award (Best KVK award and scientist and farmer's award)	1	3	
	Publications (Res. Paper/ pop. Art./Bulletin,etc.)	4		
	KVK News letter	4	2000	
	SAC Meetings conducted	1	22	
	Soil sample tested	1004	1004	
	Water sample tested			
	RWH System (Special training and field visit on RWH structure and MIS in KVKs)			
	KVK-KMA (Message and beneficiaries)	97	1020	
	Convergence programmes	02	150	
	Sponsored programmes	-	-	
	KVK Progressive Farmers interaction	11	402	
	No. of Technology Week Celebrations	1	258	
	Attended HRD activities organized by ZPD	09	09	
	Attended HRD activities organized by DES	09	09	
	Attended HRD activities by KVK Staff (Refresher /Short course, Training programme etc.)	03	01	
9	Current status of Revolving Funds (Amt. in Rs.)	244833		
10		**No. of blocks**	**No. of villages**	
	Outreach of KVK in the District	08	81	
11		**ICAR**	**SAU**	**Others**
	No. of important visitors to KVK (nos.)	01	02	01
12		**Working (Yes/No)**	**No. of Update**	
	Status of KVK Website	Yes	12	
13		**Application received**	**Application disposed**	
	Status of RTI (nos.)	-	-	
14		**Query received**	**Query dissolved**	
	Citizen Charter (nos.)	14	14	
15		**Working (Yes/No)**	**No. of programme viewed**	
	E-connectivity	No	-	
16		**Filled**	**Vacant**	
	Staff Position	14	2	
17	Workshop/ Seminar/ Conference attended by staff of KVK (nos)	3		
18	Publication received from ICAR /other organization (nos.)	10		
19		**Particulars**	**Organization**	
	Agri alerts (epidemic, high serious nature problem, Cyclone etc. reported first time to ZPD, SAU, Agri. Deptt. and ICAR)	-	-	

GENERAL INFORMATION

1.1. Staff Position (as on date)

Summary of Staff position in KVKs on March, 2014

Name of KVK	Sanctioned Posts	PC (1)		SMS (6)		PA (3)		Admn. (6)		Total	
		Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled
Angul	16	1	1	6	6	3	2	6	5	16	14

Name of KVK	Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specialization	Pay scale	Present pay	Date of joining	Per./Temp.	Category
Angul	Programme Coordinator	Dr. D. Panigrahi	Plant Protection	Ph. D	Entomology	15600-39100	17,040	18.02.2014	Permanent	Others
Angul	Subject Matter Specialist1	Sri B. Mohanty,	Agril. Engg.	M.Tech.	Soil & water conservation Engineering	15600-39100	21,390	14.03.2005	Permanent	Others
Angul	Subject Matter Specialist2	Mrs.(Dr.) B. Satpathy	Agril. Extension	Ph. D	Agri. Extension	15600-39100	21,390	12.01.2006	Permanent	Others
Angul	Subject Matter Specialist3	Sri D.S.Kar	Horticulture	M.Sc.	Veg. Science	15600-39100	16,250	12.12.2012	Permanent	Others
Angul	Subject Matter Specialist4	Mrs.S.Acharya	Home Science	M.Phil.	Nutrition	15600-39100	18,320	11.05.2010	Permanent	Others
Angul	Subject Matter Specialist5	Sri. B. C. Dhir	Plant Protection	M.Sc.	Entomology	15600-39100	21,390	25.02.2014	Permanent	Others
Angul	Subject Matter Specialist6	Sri T.K.Samant	Agronomy	M.Sc	Agronomy	15600-39100	16,250	12.12.2012	Permanent	Others
Angul	Programme Assistant	Mrs.R.P.Misra	Fishery Science	M.FSc	Fisheries Environment	9300-34,800	9,710	30.07.2012	Permanent	Others
Angul	Farm Manager	Vacant.							Permanent	Others
Angul	Computer Programmer	Sri Biswajit Pradhan	Computer Science	MCA	Information Technology	9300-34,800	12,930	22.11.2012	Permanent	OBC
Angul	Accountant / superintendent	Vacant.	-	-	-	-	-	-	-	Others
Angul	Stenographer	Sri.B.Jena	-	Degree	Secretarial practice	5200-20200	6,980	18.11.2009	Cont.	Others
Angul	Driver	Sri M. K. Sahoo	-	Graduation	Driving	5200-20200	6,600	26.11.2013	Cont.	Others
Angul	Driver	Sri. S. K. Mishra	-	Graduation	Driving	5200-20200	6,110	28.07.2008	Cont	Others
Angul	Supporting staff	Sri Narendra Behera	-	8th pass	-	4,440-7,440	5,180	30.07.2008	Cont.	Others
Angul	Supporting staff	Sri Rabi Parida	-	8th pass	-	4,440-7,440	5,180	02.08.2008	Cont.	Others

1.2. DISTRICT PROFILE (detail of geographical area, cultivation, Land, resources, opportunities, irrigation, populations etc.)–

- Angul lies between 20° 31′ N & 21° 40′ N latitude and 84° 15′ E & 85° 23′ E longitude. The total geographical area of Angul is 6232 sq.kms, and is the 11th largest district among 30 districts of Orissa. Angul shares its borders with Sundargarh in the north, Deogarh, Sambalpur & Sonepur in the west, Boudh & Nayagarh districts in the south, Dhenkanal & Cuttack in the south-east and Keonjhar in the east.
- Angul has a total population of 11,40,003 consisting of 51.51 percent male population and 48.49 percent female population and sex ratio is 941 which is slightly less than the state average of 972.
- There are 1910 villages in the district out of which 1661 are inhabited and 249 are uninhabited.
- The Human Development Index (HDI) of Angul is 0.663 which is higher than the state average of 0.579. Similarly, the income index is also significantly higher 0.748 for Angul as against the state average of 0.545.
- The participation rate of women in the total workforce of the district is slightly higher (32.48 percent) than the state average 31.54 percent.
- The total cultivable area of this district is 2, 16,403 ha constituting 32.7 percent of the total geographical area of the district.
- The mean annual rainfall of the district is 1422 mm & the irrigation potential is 23 percent with the net irrigated area 38867 hectares in kharif and 24120 hectares in rabi.
- The prime cropping system of the district is rice - pulse (Greengram & Blackgram), rice-Oilseed (Groundnut & Sesamum) and in irrigated condition rice-pulse/oilseed-vegetables and rice-vegetables-vegetables.

KVK Name	Agro-climatic zone	No . of Blocks	No. of Panchayats	Population	Literacy	SC and ST Population	No. of farmers	Average land holding
Angul	Mid-Central Table Land Zone	8	209	1272000	78.9%	SC-196109, ST-132994	141041	1.08 ha

Source:- Odisha Agriculture Statistics 2010-11

1.3. DETAILS OF ADOPTED VILLAGE during the reporting period (Approved by competent Authority in meetings/workshops)

KVK Name	Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
Angul	Berham	2010	Athamallick	60 km	300	45
Angul	Bouligarh	2011	Banarpal	20 km	250	75
Angul	Thelkonali	2012	Kishorenagar	80 km	600	85
Angul	Sandhapal	2013	Chendipada	24 Km	550	75
Angul	Ragudiapada	2013	Angul	25 Km	501	100

1.4. THRUST AREAS identified by KVK (Approved by competent Authority in meetings/workshop)

KVK Name	THRUST AREA
Angul	To increase production and productivity of Paddy ,oilseeds and pulses through integrated crop management
Angul	Varietal substitution in paddy, oilseed, pulse & vegetables
Angul	Management of soil through Integrated Nutrient Management
Angul	To increase water use efficiency through micro-irrigation system in vegetables and fruits
Angul	To mechanize oilseed and pulse cultivation through improved implements
Angul	Post harvest management of vegetables and fruits & field crops
Angul	To enhance farmers income through Innovative extension approaches
Angul	Knowledge and Information Management
Angul	To develop entrepreneurship through capacity building measures
Angul	To reduce drudgery in farm women
Angul	Income generating activities for farm women
Angul	To enhance productivity of fish and goat through scientific approach

1.4. PROBLEM IDENTIFIED by KVK (Approved by competent Authority in meetings/workshop)

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
Angul	Low yield from upland Paddy, Groundnut, Greengram , Blackgram	PRA Tools	Sandhapal (Chendipada), Bouligarh (Banarpal), Paratara
Angul	Severe weed problem in upland Paddy and Kharif groundnut	Diagnostic survey	Sandhapal (Chendipada), Thelkonali (Kishorenagar)
Angul	No knowledge about improved varieties in vegetables like bitter gourd, onion, Ivy gourd, tomato	Group Discussion	Kumanda (Talcher), Podapada (Chhendipada), Bargaunia (Angul)
Angul	Lack of knowledge about propagation techniques in fruits and vegetables	PRA Tools, Diagnostic survey	Sandhapal (Chendipada)
Angul	Lack of knowledge about micronutrient management in paddy, greengram, and cole crops	Group Discussion	Ragudiapada (Angul), Bargaunia (Talcher)

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
Angul	Inefficient use of water	PRA Tools(Transect walk)	Ragudiapada (Angul), Sandhapal, Jamunali (Chendipada)
Angul	High Drudgery among farmwomen	Group Discussion	Sandhapal (Chendipada), Balijharan,(Chendipada) Berham (Athamalik)
Angul	Lack of mechanization in agricultural activities	Group Discussion	Ragudiapada (Angul), Sandhapal (Chendipada), Maranda Jamunali (Chendipada)
Angul	Lack of capacity building measures among farmers	Group Discussion(Activity clock)	Ragudiapada (Angul), Dhobapal (Talcher)
Angul	Lack of knowledge about advanced extension methodologies amongst Extension workers	Focused Group Discussion, Questionnaire	Angul and Athamalik block
Angul	Lack of income opportunities for farm women	PRA Tools(Livelihood mapping)	Mahidharpur (Angul), Berham (Athamalick)
Angul	Lack of entrepreneurship	Group Discussion	Mahidharpur (Angul) Ragudiapada (Angul)
Angul	Less production of fish	PRA tools, Group discussion	Sandhapal (Chendipada), Shyamsunderpur Banarpal)
Angul	Loss of vegetables due to lack of scientific storage practice	PRA tools, Group discussion	Ragudiapada, Thelkonali

2. On Farm Testing

2.1 Information about OFT

KVK name	Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/ Refinement)	Thematic Area	Crop/ enterprise	Farming Situations	No. of trials	Results (q/ha)		Net Returns (Rs./ha)		Recommendations
										FP (T_1)	RP (T_2)	FP (T_1)	RP(T_2)	
Angul	2013	Kharif	Low yield in paddy due to use of old variety and improper management practices.	Assessment of HYV upland paddy (Sahabhagi dhan)	Assessment	Varietal evaluation	Crop	Red Loam Soil, Rainfed upland	13	27.6	35.5	7706	13765	Cultivation of HYV upland paddy,cv Sahabhagi dhan with improved management practices
Angul	2013	Kharif	Low yield in pigeonpea due to heavy weed infestation at early stage & scarcity of labour	Assessment of Integrated Weed Management in pigeonpea	Assessment	Integrated weed management	Crop	Loam soil, Rainfed upland	13	16.4	18.3	19170	27104	Pre-emergence application of Butachlor@1.0 kg /ha at 1 DAS and one hand weeding at 45 DAS
Angul	2013-14,	Rabi	Low yield of groundnut due to heavy weed infestation at early stage & scarcity of labour	Assessment of Integrated Weed Management in groundnut	Assessment	Integrated weed management	Crop	Sandy loam Soil, Irrigated medium land	13	19.92	22.6	41416	53067	Application of Quizalofop ethyl @0.05 ./ha at 15 DAS and one one weeding at 25 DAS
Angul	2013-14,	Rabi	Low yield in greengram due to use old variety (Chaiti Mung)	Assessment of HYV greengram, Durga (OBGG 52).	Assessment	Varietal evaluation	Crop	Loam Soil, Irrigated medium land	13	7.70	13.80	9150	27050	Cultivation of HYV of greengram (OBGG 52) with improved management practices increases the yield

KVK name	Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/ Refinement)	Thematic Area	Crop/ enterprise	Farming Situations	No. of trials	Results (q/ha)		Net Returns (Rs./ha)		Recommendations
										FP (T_1)	RP (T_2)	FP (T_1)	RP(T_2)	
Angul	2013	Kharif	Low yield of Ivy guard due to use of local variety.	Assessment of Ivy Guard variety-.Arka Nilanchal Sabuja	Assessment	Varietal evaluation	Crop	Loam soil, irrigated, midland	13	137.3	169.7	70,000/-	1,02,000/-	Arka Nilachal variety is highly accepted by the farmers
Angul	2013-14	Rabi	Low yield of marigold due to use of local variety	Assessment of improved marigold var. Pusa Narangi	Assessment	Varietal evaluation	Crop	Irrigated	13	58.69	83.38	1,16000/-	1,65,000/-	Highly appreciated by farmer & also market demand
Angul	2013 -14	Rabi	Low yield of chilli due to local variety	Assessment of high yielding variety of Chilli.cv. Utkal Ragini	Assessment	Varietal evaluation	Crop	Irrigated	13	60.15	66.07	1,05,000/-	1,19,245/-	Utkal ragini variety is suitable in irrigated situation
Angul	2013	Kharif	In appropriate incorporation of Dhanicha due to erratic rainfall	Assessment of brown manuring in paddy	Assessment	Nutrient management	Crop	Loam Soil, Rainfed up land	13	25	29	5300	9640	Use of 6 kg Dhanicha seed during sowing followed by application of 2,4-D @ 400 gm/ ac. after 30 DAS in direct seeded rice.
Angul	2013-14,	Rabi	Low yield of okra due to improper nutrient management	Assessment of nitrobenzene in okra.	Assessment	Nutrient management	Crop	Loam Soil, irrigated medium land	13	70	110	36500	38250	Application of Nitrobenzene 2 ml/litre before flowering
Angul	2013-14,	Rabi	Low yield of cauliflower due to Improper nutrient management	Assessment of biofertilizer in cauliflower.	Assessment	Nutrient management	Crop	Sandy loam, Soil irrigated medium land	13	198	241	114800	136500	Application of Azotobacter & PSB @ 3 kg/ha. incubated with FYM for 48 hrs. at the time of planting.

KVK name	Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/ Refinement)	Thematic Area	Crop/ enterprise	Farming Situations	No. of trials	Results (q/ha)		Net Returns (Rs./ha)		Recommendations
										FP (T_1)	RP (T_2)	FP (T_1)	RP(T_2)	
Angul	2013-14,	Rabi	Low yield in greengram due to less nodulation, leading to less nitrogen fixation	Assessment of Mo inoculation for nitrogen fixation in greengram.	Assessment	Nutrient management	Crop	Sandy loam Soil, irrigated medium land	13	6.5	11.2	6550	18700	Seed treatment with Ammonium Molybdate @ 100 ml / kg of seed along with 20 g Rhizobium culture.
Angul	2013	Kharif	More cost, labour & time involved in manual weeding of ground nut	Assessment of twin wheel hoe for weeding in ground nut.	Assessment	Farm Mechanization	Crop	Sandy loam, irrigated medium land	13	11.5	11.8	27500	32000	Twin wheel hoe can substantially reduce labour, time & cost of weeding.
Angul	2013-14	Rabi	More cost, labour, time and low yield in case of sowing behind the plough	Assessment of tractor drawn multi-crop planter for line sowing of ground nut	Assessment	Farm Mechanization	Crop	Sandy loam, irrigated medium land	13	-	-	-	-	Continuing
Angul	2013-14	Rabi	Improper plant population resulting to low yield in case of broadcasting	Assessment of tractor drawn zero-till drill for line sowing of mustard	Assessment	Farm Mechanization	Crop	Sandy loam, irrigated medium land	13	8.5	9.4	14000	16600	Use of zero-till drill for line sowing of mustard can maintain recommended plant population and hence increase yield.
Angul	2013-14	Rabi	Low yield of onion in case of flood irrigation	Assessment of in-line drip irrigation system in onion.	Assessment	Farm Mechanization	Crop	Sandy loam, irrigated medium land	01					Continuing

KVK name	Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/ Refinement)	Thematic Area	Crop/ enterprise	Farming Situations	No. of trials	Results (q/ha)		Net Returns (Rs./ha)		Recommendations
										FP (T_1)	RP (T_2)	FP (T_1)	RP(T_2)	
	2013	Kharif	Low fish production due to improper stocking density	Assessment of stocking density for enhancement of fish production.	Assessment	Production & management	Enterprise	Pond Based	5	19.2	27.6	92000	166000	Stocking of year lings in place of finger lings is advisable
Angul	2013	Rabi	Low fish production due to disease problem	Assessment of Aquanim 10x in fish disease management.	Assessment	Disease management	Enterprise	Pond Based	13	14.3	19.6	52000	103000	CIFAX is better than Aqua.10x. So it should be used
Angul	2013	Kharif	Low fish yield due to attack of aquatic insects on carp larvae	Assessment of aquatic insect control by use of synthetic pyrethroid.	Assessment	Pond management	Enterprise	Pond Based	13	-	-	-	-	Continuing
Angul	2013	Kharif	Less production due to non use of slow sinking crumbled feed in fingerling production	Assessment of FCR of slow sinking crumbled feed in fingerling production.	Assessment	Feed management	Enterprise	Pond Based	5	1 lakh finger lings	1.7 lakh fingerlings	105000	189500	Use of slow sinking feed should advisable for more fingerlings production & less feed wastage.

Economic Performance

KVK name	OFT Title	Parameters			Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
		Name and unit of Parameter	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	Refined Practice, if any (T_3)	FP (T_1)	RP (T_2)	Refined Practice, if any (T_3)	FP (T_1)	RP (T_2)	Refined Practice, if any (T_3)	FP (T_1)	RP (T_2)	Refined Practice, if any (T_3)
Angul	Assessment of HYV upland paddy (Sahabhagi dhan)	No of EBT/hill	8	13	31500	36000		39206	50365		7706	13765		1.24	1.38	
Angul	Assessment of Integrated Weed Management in pigeonpea	WCE(%) at 90 DAS	62.3	70.0	33310	31456		52480	58560		19170	27104		1.56	1.86	
Angul	Assessment of Integrated Weed Management in groundnut	WCE(%) at harvest	64.4	72.3	35958	35668		77374	88735		41416	53067		2.15	2.49	
Angul	Assessment of HYV greengram, Durga (OBGG 52).	No of pods/plant	16.38	27.46	17800	21250		26950	48300		9150	27050		1.51	2.28	
Angul	Assessment of Ivy Guard variety-.Arka Nilanchal Sabuja	Length of fruit(cm)	6	7.5	75000	88000		145000	190000		70000	102000		1.93	2.15	
Angul	Assessment of improved marigold var. Pusa Narangi	Flower per plant	60	70	60000	75000	-	176000	240000	-	116000	165000	-	2.9	3.2	
Angul	Assessment of high yielding variety of Chilli.cv. Utkal Ragini	No of fruits/plant	90	110	105000	112000	-	210000	231245	-	105000	119245	-	2.0	2.36	
Angul	Assessment of brown manuring in paddy	Organic carbon(%)	0.46	0.53	30200	31100		35500	40740		5300	9640		1.1	1.3	
Angul	Assessment of nitrobenzene in okra.	Fruit/plant	13	20	36500	38250		56000	88000		19500	497510		1.53	2.30	
Angul	Assessment of biofertilizer in cauliflower.	Curd diemeter(cm)	17	22	58000	62000		172800	198500		114800	136500		2.97	3.20	
Angul	Assessment of Mo inoculation for nitrogen fixation in greengram.	No of pods/plant	14.25	25.3	16200	20500		22750	39200		6550	18700		1.40	1.91	
Angul	Assessment of twin wheel hoe for weeding in ground nut.	Cost of weeding, Rs./ha.	4000	1000	30000	27000	-	57500	59000	-	27500	32000	-	1.9	2.2	-

KVK name	OFT Title	Parameters			Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
		Name and unit of Parameter	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	Refined Practice, if any (T_3)	FP (T_1)	RP (T_2)	Refined Practice, if any (T_3)	FP (T_1)	RP (T_2)	Refined Practice, if any (T_3)	FP (T_1)	RP (T_2)	Refined Practice, if any (T_3)
Angul	Assessment of tractor drawn multi-crop planter for line sowing of ground nut	Cost of sowing, Rs./ha.	5000	1500	-	-	-	-	-	-	-	-	-	-	-	-
Angul	Assessment of tractor drawn zero-till drill for line sowing of mustard	Yield, q./ha.	8.5	9.4	20000	21000	-	34000	37600	-	14000	16600	-	1.7	1.8	-
Angul	Assessment of in-line drip irrigation system in onion.	Cost of irrigation, Rs./ha.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Angul	Assessment of stocking density for enhancement of fish production.	Avg. Fish Wt. (gm)/9 month	700	1000	100000	110000		192000	276000	-	92000	166000	-	1.92	2.5	
Angul	Assessment of Aquanim 10x in fish disease management.	Disease reduction (%)	70	80	91000	93000	-	140000	196000	-	52000	103000	-	1.57	2.10	-
Angul	Assessment of aquatic insect control by use of synthetic pyrethroid.	Seed survivility (%)	54.3	83.4	-	-	-	-	-	-	-	-	-	-	-	-
Angul	Assessment of FCR of slow sinking crumbled feed in fingerling production.	FCR	4	3.26	95000	150500	-	200000	340000	-	105000	189000	-	2.10	2.25	-

2.3 Information about Home Science OFT:

KVK Name	Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/ Refinement)	Thematic Area	Details of Technology Selected for Assessment	Characteristics of Technology / Variety / Product / Enterprise	Farming / Enterprise Situation	No. of trials	Recommendations
Angul	2013	Kharif	Non availability of green fodder and excess cost of commercial feed	Assessment of Azolla supportive feed for Milch cow	Assessment	Nutritional Support	Use of Azolla cattle feed in 2:1 ratio(commercial feed and Azolla)	Multiplication of Azolla (variety: Azolla caroliniana) in low cost tank/pit of size 2m X 1.5 m X20 cm and feeding 1 kg Azolla/ cow/day	Homestead	13	Increase the quality and quantity of milk
Angul	2013-14	Rabi	Low yield & market price of Oyster mushroom	Assessment of Blue Oyster Mushroom Var. Hypsizygous ulmarious	Assessment	Income generation	Blue Oyster Mushroom production	Colour of mushroom – Blusharey. Average fruit body wt-31gm, Biological efficiency-103%, Texture of fruit-fleshy	Homestead	13	Increase in yield and high market value
Angul	2013-14	Rabi	Time consuming & planting of sugarcane is a drudgery prone activity with high seed rate (80 q/ha)	Assessment of sugarcane Bud Chipper for drudgery reduction	Assessment	Drudgery reduction	Use of sugarcane bud chipper for removing buds from the sugarcane sticks(seed rate 29 q/ha)	The device includes a hemisphere knife acuted by a hand operated lever with working capacity 250 buds/hr	Irrigated	13	Reduce drudgery & seed rate/ha
Angul	2013-14	Rabi	Spoilage of vegetable during peak period	Refinement of zero energy cool chamber for storage of vegetables .	Refinement	Post harvest storage	Zero energy cool chamber 10^0 to 15^0 temp enhance the self life of vegetables	Cool storage can prolong the life of fresh vegetables size of the cool chamber ln-100 cm X wd-75 cm X HT-67.5 cm leaving a cavity of 7.5 cm(for less investment and each accessibility of a farm family)	Homestead	1	Continuing.

2.4 Economic Performance Home Science OFT:

KVK name	OFT Title	Performance Indicator / Parameter																				
		Output m2/h		Est. Energy Expenditure kj/min.		WHR beat/min		% reduction in drudgery		% increase in efficiency		Production per unit		Cost of input		Incremental income		Yield(Kg/ha)		Net Return		Saving in Rs	BC ratio
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2		
Angul	Assessment of Azolla supportive feed for Milch cow	-	-	-	-	-	-	-	-	-	-	10.5 lt/ cow/ day	11.5 lt/ cow/ day	3000	2700	7875	8625	10.5 lt/ cow/ day	11.5 lt/ cow/ day	4875	.5925	-	1.62: 2.19
Angul	Assessment of Blue Oyster Mushroom Var. Hypsizygous ulmarious	-	-	-	-	-	-	-	-	-	-	1.85 kg/ bag	2.56 kg/ bag	35	.35	9250	128	1.85 kg/ bag	2.56 kg /bag	5750	93	-	2.64: 3.65
Angul	Assessment of sugarcane Bud Chipper for drudgery reduction	155 piece/ hr	283 buds/ hr	9.40 kj/ min	10.36 kj/ min	114	120	39%	-	82%	-	-	-	-	-	-	-	-	-	-	-	-	
Angul	Refinement of zero energy cool chamber for storage of vegetables	Cont.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

2.5 Feedback from KVK to Research System

Name of KVK	Feedback
Angul	The HYV upland paddy cv.Sahabhagi dhan produced more ear bearing tillers(13/plant) with drought tolerant capacity and higher grain yield(35.5q/ha) in comparison to old variety Khandagiri
Angul	Pre-emergence application of Pendimethaline@1.0 kg a.i/ha at 1-2 DAS controls broad spectrum weeds and one hand weeding at 45 DAS controls rest of the weeds.
Angul	Post-emergence application of Quizalofop-ethyl @ 0.05kg a.i/ha at 15 DAS and rest of weeds are controlled by one hand weeding at 25 DAS
Angul	The HYV greengram, cv-Durga(OBGG 52) fits well to the existing farming situation producing higher pods(27.46/plant),seeds(9.77/pod) and higher yield(13.8q/ha) during rabi in comparison to the local variety(Chaiti Mung)
Angul	Application of Dhanicha 6 kg/acre during sowing with application of 24-D @400gm /acre at 30 DAS increases incorporation of dhanicha in direct seeded upland paddy
Angul	Seed treatment with Ammonium Molybdate @ 100 ml / kg of seed along with 20 g Rhizobium culture increases the Nitrogen fixation in greengram
Angul	Application of Azotobacter & PSB @ 3 kg/ha. incubated with FYM for 48 hrs. at the time of planting in cauliflower
Angul	In cool chamber self life of tomato increased for 8 days, okra 4 days & brinjal 4 days. Wt. loss decreased by 14.38% in tomato, 9.2% in okra & 11.7% in brinjal than the room temperature.
Angul	Use of 6 kg Dhanicha seed during sowing followed by application of 2,4-D @ 400 gm/ ac. after 30 DAS in direct seeded rice increases the yield to 16%
Angul	Use of CIFAX @400ml/acre 3 times at 3 months interval resulted 80 to 90% disease reduction. So as compare to Aqua.10x. it is advisable to use for fish disease management
Angul	Use of cyper methrin @25/35 ml /ha in nursery pond resulted in increase of carp seed survivability from 50 to 80%
Angul	Use of sinking feed @ 5 ton/ha per cycle i,e 2 to 3 months resulted in increase of fingerling production and less feed wastage
Angul	From economic point of view stocking of IMC yearlings @5000 to 6000 no. per ha should be advisable in place of fingerlings
Angul	Pusa Narangi variety of marigold is highly recommended for irrigated medium land with an yield increase of 42%
Angul	Ivy guard Arka Nilachala Sabuja Variety harvesting started from 40-60 DAP and yield 20-30 kg/ plant
Angul	Chilli variety Utkal Ragini yield 60-65 qtl/ha and also accepted by the farmers
Angul	Provision of fluted roller mechanism for fertilizer placement in zero-till drill would ensure uniform placement of fertilizer, which is not achieved in the present system where fertilizer is directly dropped through the holes, only opening of the holes is adjustable.
Angul	In case of twin wheel hoe, hoe may be replaced with fingers for reducing drudgery and improving weeding efficiency of the tool.
Angul	Increase in 9% milk production and SNF% in milk
Angul	Yield increased by 38% and spawn may be available abundantly
Angul	Reduce seed rate/ha, drudgery and also provide safety to the workers due to its better construction

3. Achievements of Frontline Demonstrations

3.1. Follow-up for results of FLDs implemented during previous years

List of technologies demonstrated and popularized during previous years and recommended for large scale adoption in the district

KVK Name	Crop/ Enterprise	Thematic Area	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
					No. of villages	No. of farmers	Area in ha
Angul	Brinjal	Varietal substitution	Demonstration of wilt tolerant variety Brinjal. Cv.Utkal Anushree	Large scale demonstration, training, personal contact, group discussion	17	220	75
Angul	Onion	Varietal substitution	Demonstration on high yielding variety of Onion (AGLR).	Large scale demonstration, training, personal contact, group discussion	25	320	83
Angul	Cauliflower	Micro nutrient management	Demonstration on Boron application in Cauliflower	Large scale demonstration, training, personal contact, group discussion	34	710	105
Angul	Groundnut	Integrated crop management	Demonstration on cultivation of groundnut (var.Smruti) with Integrated crop management	Large scale demonstration, training, personal contact, group discussion	42	860	185
Angul	Arhar	Integrated crop management	Demonstration on cultivation of arhar(var.Asha) with Integrated crop management	Large scale demonstration, training, personal contact, group discussion	35	620	140
Angul	Groundnut	Integrated crop management	Demonstration on cultivation of groundnut var. Devi, RDF seed treatment weedcide (imagethyper), PP measure (Imidachlorpid)	Large scale demonstration, training, personal contact, group discussion	47	900	200
Angul	Backyard poultry	Income Generation	Backyard rearing of poultry for farm women.	Large scale demonstration, training, personal contact, group discussion	34	750	-
Angul	Oyster Mushroom	Income Generation	Cultivation of Oyster Mushroom with application of 10gm Lime/1kg paddy straw	Large scale demonstration, training, personal contact, group discussion	12	120	-
Angul	Molly, Guppy, Swordtail, Platy	Income generating enterprise	Breeding & scientific rearing of Ornamental fish	Large scale demonstration, training, personal contact, group discussion	6	12	-
Angul	Catla, Rohu, Mrigal (IMC)	Production and management	Fingerling production in a scientific manner	Large scale demonstration, training, personal contact, group discussion	15	30	-
Angul	Tractor drawn rotavator	Farm Mechanization	Use of tractor drawn rotavator for tillage	Large scale demonstration, training, personal contact, group discussion	100	30000	-
Angul	Paddy power thresher	Farm Mechanization	Use of power thresher for threshing of paddy	Large scale demonstration, training, personal contact, group discussion	450	15000	-
Angul	Drip irrigation system	Micro irrigation	Use of drip irrigation system for fruit crops	Large scale demonstration, training, personal contact, group discussion	58	75	180

3.2 Details of FLDs implemented

KVK Name	year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/ Technology/ Entreprizes	Crop-Area (ha) / Entrep – No.	Results (q/ha)		% change	No. of farmers				
								FP (T_1)	RP (T_2)		SC	ST	Others	General	Total
Angul	2013	Kharif	Varietal Evaluation	Demonstration of medium duration HYV paddy (Manaswini)	Paddy	Manaswini	1.0	38.5	48.4	25.7	1	-	4	-	5
Angul	2013	Kharif	Varietal Evaluation	Demonstration of Hybrid paddy (Rajalaxmi.)	Paddy	Rajalaxmi	1.0	42.6	67.2	57.7	1	-	-	4	5
Angul	2013-14	Rabi	Integrated Crop Management	Demonstration of Bud chip method of sugarcane planting.	Sugarcane	C0-62175	0.4	Contd.			1	-	4	-	5
Angul	2013-14	Rabi	Integrated Crop Management	Demonstration of intercropping of Yam & maize(1:2)	Yam	Hatikhoja	0.1	120.5	135.5	12.4	2	-	-	3	5
Angul	2013	Kharif	Varietal evaluation	Demonstration of High yielding variety of Turmeric-Rasmi.	Turmeric	Rasmi	0.4	155.8	191.2	23.22	-	5	-	-	5
Angul	2013	Kharif	Varietal evaluation	Demonstration of performance of wilt tolerance tomato var. Utkal Dipti	Tomato	Utkal Dipti	0.4	191.8	215.6	12.56	-	5	-	-	5
Angul	2013	Kharif	Varietal Evaluation	demonstration of high yielding brinjal variety Utkal Anushree	Brinjal	Utkal Anushree	0.4	187.2	211.2	12.83	-	5	-	-	5
Angul	2013 -14	Rabi	Varietal evaluation	Demonstration of High yielding variety of Onion-Agrifound dark red.	Onion	Agrifound dark red	0.4	183.4	202.4	10.38	5	-	-	-	5
Angul	2013	Kharif	Integrated Crop Management	Demonstration of Integrated Crop Management in Groundnut cultivation.	Groundnut	ICGV 91114 (Devi)	5.0	14.5	20.6	42.0	-	-	-	15	15
Angul	2013	Kharif	Integrated Crop Management	Demonstration of Integrated Crop Management in Blackgram cultivation.	Black gram	TAU-1	5.0	5.80	8.20	41.0	-	-	-	15	15
Angul	2013-14	Rabi	Integrated Crop Management	Demonstration on Improved Green gram cultivation.	Green gram	SML-668	5.0	5.8	8.30	43.0	-	-	-	15	15

KVK Name	year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/ Technology/	Crop- Area (ha) /	Results (q/ha)		% change	No. of farmers				
Angul	2013-14	Rabi	Integrated Crop Management	Demonstration on scientific Sunflower cultivation.	Sunflower	KBSH –I	5.0	11.5	15.8	43.0	-	-	-	15	15
Angul	2013	Kharif	Farm Mechanization	Digging of pits by tractor drawn post-hole digger	Banana	Champa	1.0.	-	-	-	0	0	0	5	5
Angul	2013	Kharif	Farm Mechanization	Weeding by power weeder	Banana	Champa	1.0	-	-	-	0	0	0	5	5
Angul	2013	Kharif	Farm Mechanization	Secondary tillage by tractor drawn rotavator	Brinjal	Tarini	2.0.	375	410	9	0	0	0	5	5
Angul	2013-14	Rabi	Farm Mechanization	Spraying by power sprayer	Mango	Amrapalli	1.0	-	-	-	0	0	0	5	5
Angul	2013	Kharif	Micro nutrient management	Demonstration of Boron and Sulphur application in Groundnut.	Groundnut	Smruti	1.0	14.7	20.8	41.4	-	-	-	10	10
Angul	2013	Kharif	Nutrient management	Demonstration of soil application of lime & biofertiliser in Tomato.	Tomato	Utkal deepti	1.0	313	363	16.0	-	-	-	5	5
Angul	2013-14	Rabi	Nutrient management	Demonstration of application of vermi compost & Borax in Cabbage.	Cabbage	Disha	1.0	234.4	296.4	26.0	-	-	-	5	5
Angul	2013-14	Rabi	Nutrient management	Demonstration of Boron and Sulphur application in Onion.	Onion	Agrifound light red	1.0	140.3	210.2	49.8	-	-	-	10	10
Angul	2013	Kharif	Income generating Enterprise	Demonstration of Ornamental fish rearing	Colour Fish 1000 nos. live bearer (F:M) of 4:1 ratio per 300 sqr.ft area	Red Molly, guppy, swordtail & platy	05	-	17100 nos.	100	-	-	-	4	4
Angul	2013	Kharif	Production and management	Demonstration of Jayanti rohu species in composite Pisciculture	Jayanti Rohu 2000 nos/ha with Catla & Mrigala at ratio 3:4:3	Jayanti Rohu with Catla, and Mrigal	1.0	Result awaited						5	5
Angul	2013	harif	Production & management	Demonstration of stunted yearling in carp culture.	IMC fry of 20mm size 203 lakh/ha	Rohu, Catla, Mrigal	0.5	Result awaited						5	5
Angul	2013	Kharif	Production & management	Demonstration of single stocking & multiple harvesting system in Pisciculture.	IMC yearlings 5000-6000 no./ha	Rohu, Catla, Mrigal	1.0	Result awaited			1	4	-	-	5

3.3 Economic Impact of FLD

KVK Name	Technology demonstrated	Name of Crop/ Enterprise	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
			Name and unit of Parameter	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)
Angul	Demonstration of medium duration HYV paddy (Manaswini)	Paddy	No of EBT/hill	11	15	40700	43950	54945	68824	14245	24874	1.35	1.57
Angul	Demonstration of Hybrid paddy (Rajalaxmi)	Paddy	No of EBT/hill	13	23	40850	47550	61556	95572	20706	48022	1.51	2.01
Angul	Demonstration of Bud chip method of sugarcane planting.	Sugarcane	No of tillers/plant	Contd.									
Angul	Demonstration of intercropping of Maize & Yam(2:1)	Yam	Tuber diameter(cm)	3.4	5.4	141735	170687	180750	243788	39015	73101	1.28	1.43
Angul	Demonstration of High yielding variety of Turmeric-Rasmi.	Turmeric	No of rhizomes wt./plant(gm)	135	180	111000	119000	150000	185000	40000	66000	1.35	1.55
Angul	Demonstration of INM in tamato var. Utkal Dipti	Tomato	No of fruits/plant	29	36	75000	80000	115000	130000	40000	50000	1.53	1.62
Angul	demonstration of integrated crop management in Brinjal with RDF and application of micronutrient	Brinjal	No of fruits/plant	22	27	100000	105000	135000	150000	35000	45000	1.35	1.42
Angul	Demonstration of High yielding variety of Onion-Agrifound dark red.	Onion	Bulb diameter(cm)	3.0	3.5	50000	54000	92000	108000	42000	54000	1.84	2.0
Angul	Demonstration of Integrated crop Management in Groundnut cultivation.	Groundnut	No. of pod/plant	16.0	25.0	29000	34170	57200	76000	28200	41830	1.97	2.22
Angul	Demonstration Integrated crop Management in Blackgram cultivation.	Black gram	No.of pods/plant,	10.4	18.2	12000	15200	20000	31000	7900	15800	1.65	2.03
Angul	Demonstration on Improved Green gram cultivation.	Green gram	No.of pods/plant,	27.6	38.2	11000	14800	18420	29500	7420	14700	1.67	1.99
Angul	Demonstration on scientific Sunflower cultivation.	Sunflower	Grain yield	11.5	15.8	25400	30200	43500	56670	18100	26470	1.71	1.87
Angul	Digging of pits by tractor drawn post-hole digger	Banana	Time for pit digging, hrs. / ha.	800	48	-	-	-	-	-	-	-	-
Angul	Weeding by power weeder	Banana	Cost of weeding, Rs. / ha.	3750	2000	-	-	-	-	-	-	-	-

KVK Name	Technology demonstrated	Name of Crop/ Enterprise	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
			Name and unit of Parameter	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)
Angul	Secondary tillage by tractor drawn rotavator	Brinjal	Cost of tillage, Rs. / ha.	3000	2000	100000	98000	225000	246000	125000	148000	2.2	2.5
Angul	Spraying by power sprayer	Mango	Cost of spraying, Rs. /ha.	1000	800	-	-	-	-	-	-	-	-
Angul	Demonstration of Boron and Sulphur application in Groundnut.	Groundnut	No of pods/plant	16	23	30200	34000	59800	76200	29600	42200	1.98	2.24
Angul	Demonstration of soil application of lime & biofertiliser in Tomato.	Tomato	No of fruit/plant	40	50	58000	65000	160000	197000	102000	132000	2.75	3.03
Angul	Demonstration of application of vermi compost & Borax in Cabbage.	Cabbage	Head weight(kg)	1.5	2.65	36000	44000	98800	136200	62800	92200	2.74	3.09
Angul	Demonstration of Boron and Sulphur application in Onion.	Onion	Diameter of bulb(cm)	3.1	4.2	42000	51550	84180	126120	41680	74570	1.98	2.45
Angul	Demonstration of Ornamental fish rearing	Colour Fish	Length (mm)	-	95	-	20700	-	51300	-	30600	-	2.47
Angul	Demonstration of Jayanti rohu species in composite Pisciculture	Jayanti Rohu	Weight(gm)/6 month	350	500	Result awaited	-	-	-	-	-	-	-
Angul	Demonstration of stunted yearling in carp culture.	Indian Major Carps	Length(mm)/6 month	50	100	Result awaited	-	-	-	-	-	-	-
Angul	Demonstration of single stocking & multiple harvesting system in Pisciculture.	Indian Major Carps	Avg. Wt. of Fish(gm) / 6 month	650	900	Result awaited	-	-	-	-	-	-	-

3.4 Information about Home Science FLDs

KVK name	Year	Season	Thematic Area	Problem Identified	Technology to be Demonstrated as Solution to the Identified Problem	Crop/ Enterprise (In which crop Enterprise or Farming Activity)	Name of Variety/ Technology/ Entreprizes	Farming Situation	Proposed area (ha)	No. of Beneficiaries
Angul	2013	Kharif	Income generation	Low income from Desi breed	Dual purpose poultry bird wt in 5 month 2.5-3kg/bird egg laying/yr-150-180 eggs	Enterprise	Banaraja	Backyard	200 nos.	10
Angul	2013	Kharif	Drudgery reduction	High drudgery due to manual	Stripping groundnut pods from crop vines by using groundnut	Groundnut	Groundnut stripper	Homestead	2 units	10

				stripping	stripper					
Angul	2013-14	Rabi	Drudgery reduction	High drudgery and time consuming due to manual maize shelling	Octagonal shaped maize sheller with 4 tapered pins for shelling maize	Maize	Tubular maize sheller	Homestead	20 nos.	10
Angul	2013-14	Rabi	Income generation	Low income due to distress sale	Preparation of pickle by adding spices, oil & preservative	Oyster mushroom	Mushroom pickle	Homestead	2 kg/unit(20 kg)	10

3.5 Economic Performance Home Science FLDs:

KVK name	Technology to be Demonstrated	Performance Indicator / Parameter																				
		Output m2/h		Est. Energy Expenditure kj/min.		WHR beat/ min		% reduction in drudgery		% increase in efficiency		Production per unit		Cost of input		Incremental income		Yield (Kg/ha)		Net Return		Saving in Rs	BC ratio
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2		
Angul	Dual purpose poultry bird wt in 5 month 2.5-3kg/bird egg laying/yr-150-180 eggs	-	-	-	-	-	-	-	-	-	-	1 kg/ bird	2.2 kg/ bird	Cont…									
Angul	Stripping groundnut pods from crop vines by using groundnut stripper	5.8 kg of pods/ hr	10.8 kg of pods/ hr	9.56 kj/ min	6.06 kj/ min	115	93	68%		86%		-	-	34170	33110	76000	76000	2060	2060	41830	42890	1060	2.22: 2.29
Angul	Octagonal shaped maize sheller with 4 tapered pins for shelling maize	12.5 kg/ hr	22.92 kg/ hr	4.31 kj /min	6.38 kj/ min	82	95	22%		83%		-	-	.31500	.29900	.49000	.49000	3500	3500	17500	19100	1600	1.55: 1.63
Angul	Preparation of pickle by adding spices, oil & preservative	-	-	-	-	-	-	-	-	-	-	2 kg mushroom/ bed	1.4 kg pickle	30	.130	.60	308	-	-	.30	.178	-	2.00: 2.36

3.6 Training and Extension activities proposed under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Angul	Paddy	Training, field visit	2	50	
Angul	Sugarcane	Training, field visit	1	25	
Angul	Turmeric	Training, field visit	1	25	
Angul	Tomato	Training, field visit, field day	3	85	
Angul	Brinjal	Training, field visit	1	25	
Angul	Onion	Training, field visit	2	50	
Angul	Groundnut	Training, field visit, field day	3	85	
Angul	Black gram	Training, field visit, field day	2	60	
Angul	Green gram	Training, field visit	1	25	
Angul	Sunflower	Training, field visit	1	25	
Angul	Banana	Training, field visit	2	50	
Angul	Brinjal	Training, field visit	1	25	
Angul	Mango	Training, field visit	1	25	
Angul	Cabbage	Training, field visit, field day	2	60	
Angul	Colour Fish	Training, field visit	1	25	
Angul	Jayanti Rohu	Training, field visit	1	25	
Angul	Indian Major Carps	Training, field visit	2	50	
Angul	Poultry	Training, field visit, field day	2	60	
Angul	Oyster mushroom	Training, field visit	1	25	

3.7 Details of FLD on crop hybrids.

S. No.	Name of the KVK	Name of the Crop	Name of the Hybrids	Source of Hybrid (Institute/Firm)	No. of farmers	Area in ha.
1	Angul	Paddy	Rajlaxmi	CRRI,Cuttack,2005	5	1
2	Angul	Sunflower	KBSH 1	AICRP (sunflower) Centre, University of Agricultural Sciences, Bengaluru -1992	15	5

4. Feedback System

4.1. Feedback of the Farmers to KVK

Name of KVK	Feedback			
	Technology appropriations	**Methodology used**	**Benefits of OFT/FLD**	**Future Adoption**
Angul	Greengram var. OBGG 52 with improved management practices increases the no. of pods/plant to the extent of 67%	Farmer to farmer extension should be introduced	Use of maize sheller reduces injury to fingers	Farmer field school(FFS) module should be designed
Angul	Provision of fluted roller mechanism for fertilizer placement in zero-till drill would ensure uniform placement of fertilizer.	Exposure visit to be incorporated	Use of 6 kg Dhanicha seed during sowing followed by application of 2,4-D @ 400 gm/ ac. After 30 DAS in direct seeded rice increases the yield	Component package in all demonstrations should be strengthen

4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested
Angul	The HYV upland paddy cv.Sahabhagi dhan produced more ear bearing tillers(13/plant) with drought tolerant capacity and higher grain yield(35.5q/ha) in comparision to old variety Khandagiri
Angul	Pre-emergence application of Pendimethaline@1.0 kg a.i/ha at 1-2 DAS controls broad spectrum weeds and one hand weeding at 45 DAS controls rest of the weeds.
Angul	Post-emergence application of Quizalofop-ethyl @ 0.05kg a.i/ha at 15 DAS and rest of weeds are controlled by one hand weeding at 25 DAS
Angul	The HYV greengram, cv-Durga(OBGG 52) fits well to the existing farming situation producing higher pods(27.46/plant),seeds(9.77/pod) and higher yield(13.8q/ha) during rabi in comparision to the local variety(Chaiti Mung)
Angul	Application of Dhanicha 6 kg/acre during sowing with application of 24-D @400gm /acre at 30 DAS increases incorporation of dhanicha in direct seeded upland paddy
Angul	Seed treatment with Ammonium Molybdate @ 100 ml / kg of seed along with 20 g Rhizobium culture increases the Nitrogen fixation in greengram
Angul	Application of Azotobacter & PSB @ 3 kg/ha. incubated with FYM for 48 hrs. at the time of planting in cauliflower
Angul	In cool chamber self life of tomato increased for 8 days, okra 4 days & brinjal 4 days. Wt. loss decreased by 14.38% in tomato, 9.2% in okra & 11.7% in brinjal than the room temperature.
Angul	Use of 6 kg Dhanicha seed during sowing followed by application of 2,4-D @ 400 gm/ ac. after 30 DAS in direct seeded rice increases the yield to 16%
Angul	Use of CIFAX @400ml/acre 3 times at 3 months interval resulted 80 to 90% disease reduction. So as compare to Aqua.10x. it is advisable to use for fish disease management
Angul	Use of cyper methrin @25/35 ml /ha in nursery pond resulted in increase of carp seed survivability from 50 to 80%
Angul	Use of sinking feed @ 5 ton/ha per cycle i,e 2 to 3 months resulted in increase of fingerling production and less feed wastage
Angul	From economic point of view stocking of IMC yearlings @5000 to 6000 no. per ha should be advisable in place of fingerlings

Name of KVK	Feedback basic of OFT on Technology Tested
Angul	Pusa Narangi variety of marigold is highly recommended for irrigated medium land with an yield increase of 42%
Angul	Ivy guard Arka Nilachala Sabuja Variety harvesting started from 40-60 DAP and yield 20-30 kg/ plant
Angul	Chilli variety Utkal Ragini yield 60-65 qtl/ha and also accepted by the farmers
Angul	Provision of fluted roller mechanism for fertilizer placement in zero-till drill would ensure uniform placement of fertilizer, which is not achieved in the present system where fertilizer is directly dropped through the holes, only opening of the holes is adjustable.
Angul	In case of twin wheel hoe, hoe may be replaced with fingers for reducing drudgery and improving weeding efficiency of the tool.
Angul	Increase in 9% milk production and SNF% in milk
Angul	Yield increased by 38% and spawn may be available abundantly
Angul	Reduce seed rate/ha, drudgery and also provide safety to the workers due to its better construction

4. Documentation of the need assessment conducted by the KVK for the training programme

Name of KVK	Category of the training	Methods of need assessment	Date and place	No. of participants involved
Angul	Farmers and Farm women	Diagnostic field visit	Sandhapal (Banarpal), Sradhhapur, Thelkonali (Kishorenagar) (April, May)	60
Angul	Rural Youth	Group discussion	Ragudiapada (Angul), Chendipada block (April, May)	40
Angul	Farmers and Farm women	Interaction with farmers & line officers	O/O DAO, April, Berham (Athamalik)	35
Angul	Inservice	PRA Tools	Icchapur, Podapoda (June, Oct)	80
Angul	Farmers and Farm women	Interaction with Line department	O/O DAO, (Oct.), Bauligada (Banarpal)	15
Angul	Rural Youth	PRA Tools	Sandhapal, Thelkonali	30
Angul	Inservice	Group discussion	Sandhapal (Angul), Kumunda (Nov.)	50
Angul	Farmers and Farm women	Discussion in Review meeting: Orchard management	O/O Horticulturist (September.),	10
Angul	Rural Youth	PRA Tools, Group discussion	Mahidharpur, Jamunali	25
Angul	Inservice	Stake holders meet	KVK, July	10
Angul	Rural Youth	Feedback	O/O DAO(Oct.)	15
Angul	Inservice	PRA Group discussion	ON Campus (September)	10
Angul	Inservice	Stakeholders meet	ON Campus (March)	10

Abbreviation Used

FW	(A) Farmers & Farm Women
RY	(B) Rural Youths
IS	(C) Extension Personnel
ONC	On Campus Training Programme
OFC	Off Campus Training Programme
M	Male
F	Female
T	Total
Thematic Areas for Training	
CRP	Crop Production
HOV	Horticulture – Vegetable Crops
HOF	Horticulture-Fruits
HOO	Horticulture- Ornamental Plants
HOP	Horticulture- Plantation crops
HOT	Horticulture- Tuber crops
HOS	Horticulture- Spices
HOM	Horticulture- Medicinal and Aromatic Plants
SFM	Soil Health and Fertility Management
LPM	Livestock Production and Management
WOE	Home Science/Women empowerment
AEG	Agril. Engineering
PLP	Plant Protection
FIS	Fisheries
PIS	Production of Inputs at site
CBD	Capacity Building and Group Dynamics
AGF	Agro-forestry
OTH	Others
RYH	Rural Youth
EXP	Extension Personnel

5. TRAINING PROGRAMMES

Table 5.1. Details of Training programmes conducted by the KVKs

Name of KVK	Cate-gory	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15	16
Angul	FW	ONC	CRP	Crop diversification in rainfed upland rice based cropping system	1	2	21	4	0	0	0	0	0	0
Angul	FW	ONC	CRP	Remunerative cropping sequence in medium land farming situation	1	2	25	0	0	0	0	0	0	0
Angul	FW	ONC	CRP	Water management in rabi groundnut	1	2	21	0	2	0	2	0	0	0
Angul	FW	ONC	PLP	Integrated pest management for rice stem borer	1	2	25	0	0	0	0	0	0	0
Angul	FW	ONC	PLP	Post flood & cyclone plant protection measures	1	2	23	2	0	0	0	0	0	0
Angul	FW	ONC	PLP	Integrated pest management in greengram	1	2	25	0	0	0	0	0	0	0
Angul	FW	ONC	SFM	Nutrient management in upland paddy	1	2	25	0	0	0	0	0	0	0
Angul	FW	ONC	SFM	Biofertiliser production technology	1	2	23	0	1	1	0	0	0	0
Angul	FW	ONC	SFM	Organic cole crop production	1	2	25	0	0	0	0	0	0	0
Angul	FW	ONC	HOO	Propagation technique of rose plants	1	2	21	4	0	0	0	0	0	0
Angul	FW	ONC	HOF	Fertilizer management of young mango orchards	1	1	15	10	0	0	0	0	0	0
Angul	FW	ONC	HOV	Layout for planting of fruits and vegetables suitable for pond embankment	1	1	14	11	0	0	0	0	0	0
Angul	FW	ONC	HOF	Fertilizer management in banana plantations	1	1	22	3	0	0	0	0	0	0
Angul	FW	ONC	HOS	Fertilizer management in chilli	1	1	25	0	0	0	0	0	0	0
Angul	FW	ONC	AEG	Use of tractor drawn zero till drill for line sowing of mustard	1	2	20	5	0	0	0	0	0	0
Angul	FW	ONC	AEG	Use of tractor drawn multi-crop planter for line sowing of ground nut	1	2	20	5	0	0	0	0	0	0
Angul	FW	ONC	FIS	Desi magur culture	1	2	20	0	2	0	3	0	0	0
Angul	FW	ONC	FIS	Duck cum fish farming	1	2	19	0	6	0	0	0	0	0
Angul	FW	ONC	FIS	Recent advances of fresh water prawn culture	1	2	21	2	2	0	0	0	0	0
Angul	FW	ONC	FIS	Breeding and seed production techniques of major carps	1	2	21	0	2	2	0	0	0	0
Angul	FW	ONC	FIS	Soil and water quality management in Pisciculture tanks	1	2	23	0	2	0	0	0	0	0
Angul	FW	OFC	CRP	Importance of summer ploughing for medium land rice cultivation	1	1	17	8	0	0	0	0	0	0
Angul	FW	OFC	CRP	Improved Agronomic practices in rainfed upland rice	1	1	12	12	1	0	0	0	0	0

Name of KVK	Cate-gory	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15	16
Angul	FW	OFC	CRP	Integrated weed management in pigeon pea	1	1	24	0	1	0	0	0	0	0
Angul	FW	OFC	CRP	Improved Agronomic practices in medium land rice cultivation	1	1	21	4	0	0	0	0	0	0
Angul	FW	OFC	CRP	Improved Agronomic practices for hybrid rice cultivation	1	2	19	3	2	1	0	0	0	0
Angul	FW	OFC	CRP	Bud chip methods of sugarcane planting	1	2	16	1	8	0	0	0	0	0
Angul	FW	OFC	CRP	Nutrient management in Yam with maize (1:2) intercropping system	1	1	10	2	10	3	0	0	0	0
Angul	FW	OFC	CRP	Integrated weed management in rabi groundnut	1	1	18	7	0	0	0	0	0	0
Angul	FW	OFC	CRP	Improved Agronomic practices in rabi greengram	1	1	25	0	0	0	0	0	0	0
Angul	FW	OFC	PLP	Integrated pest management of fruit and shoot borer in brinjal	1	1	6	19	0	0	0	0	0	0
Angul	FW	OFC	SFM	Soil testing technique	1	1	25	0	0	0	0	0	0	0
Angul	FW	OFC	SFM	Use of PMS for acid soil management	1	1	8	17	0	0	0	0	0	0
Angul	FW	OFC	SFM	Brown mannuring in direct seeded paddy	1	1	23	2	0	0	0	0	0	0
Angul	FW	OFC	SFM	Boron and Sulphur management in groundnut	1	1	23	2	0	0	0	0	0	0
Angul	FW	OFC	SFM	Bio fertiliser application in tomato	1	1	15	10	0	0	0	0	0	0
Angul	FW	OFC	SFM	Bio fertiliser management in cauliflower	1	1	24	0	0	0	1	0	0	0
Angul	FW	OFC	SFM	Nutrient management in cabbage	1	1	16	9	0	0	0	0	0	0
Angul	FW	OFC	SFM	Micronutrient management in onion	1	1	19	6	0	0	0	0	0	0
Angul	FW	OFC	SFM	Nutrient management in greengram	1	1	25	0	0	0	0	0	0	0
Angul	FW	OFC	SFM	Use of growth regulator in okra	1	1	20	2	0	3	0	0	0	0
Angul	FW	OFC	HOF	Selection & treatment of banana suckers before banana cultivation	1	1	18	7	0	0	0	0	0	0
Angul	FW	OFC	HOV	Nursery raising techniques of kharif tomato	1	1	25	0	0	0	0	0	0	0
Angul	FW	OFC	HOT	Integrated nutrient management for off season cabbage cultivation	1	1	25	0	0	0	0	0	0	0
Angul	FW	OFC	HOV	Integrated nutrient management in brinjal	1	1	6	19	0	0	0	0	0	0
Angul	FW	OFC	HOS	Weed management in rabi onion	1	1	25	0	0	0	0	0	0	0
Angul	FW	OFC	HOV	Post harvest management of potato	1	1	16	9	0	0	0	0	0	0
Angul	FW	OFC	HOO	Staggered planting material of marigold for round the season production of flowers	1	1	19	6	0	0	0	0	0	0
Angul	FW	OFC	AEG	Use of tractor drawn rotavator for land preparation	1	1	25	0	0	0	0	0	0	0
Angul	FW	OFC	AEG	Digging of pits by tractor mounted post-hole digger	1	1	23	2	0	0	0	0	0	0

Name of KVK	Cate-gory	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15	16
Angul	FW	OFC	AEG	Tractor drawn multi-crop planter for sowing of cowpea	1	1	25	0	0	0	0	0	0	0
Angul	FW	OFC	AEG	Use of power sprayer for spraying in mango orchard	1	1	25	0	0	0	0	0	0	0
Angul	FW	OFC	AEG	Use of different weeders for weeding in ground nut & vegetables	1	1	22	0	3	0	0	0	0	0
Angul	FW	OFC	AEG	In-line drip irrigation system for onion	1	1	24	0	1	0	0	0	0	0
Angul	FW	OFC	AEG	Construction of low cost onion storage structure	1	1	15	5	5	0	0	0	0	0
Angul	FW	OFC	AEG	Use of tractor drawn zero-till drill for line sowing of mustard	1	1	25	0	0	0	0	0	0	0
Angul	FW	OFC	AEG	Use of tractor drawn multi-crop planter for line sowing of ground nut	1	1	23	2	0	0	0	0	0	0
Angul	FW	OFC	AEG	Use of self propelled paddy reaper	1	1	19	5	1	0	0	0	0	0
Angul	FW	OFC	CBD	Improved groundnut cultivation	1	1	24	1	0	0	0	0	0	0
Angul	FW	OFC	CBD	Improved blackgram cultivation	1	1	21	4	0	0	0	0	0	0
Angul	FW	OFC	CBD	Improved sunflower cultivation	1	1	18	7	0	0	0	0	0	0
Angul	FW	OFC	CBD	Improved greengram cultivation	2	2	44	3	1	2	0	0	0	0
Angul	FW	OFC	WOE	Paddy straw mushroom cultivation	1	2	0	16	0	0	0	9	0	0
Angul	FW	OFC	WOE	Management practices of backyard poultry	1	1	0	25	0	0	0	0	0	0
Angul	FW	OFC	WOE	Construction & use of zero energy cool chamber for storage of vegetable	1	1	0	25	0	0	0	0	0	0
Angul	FW	OFC	WOE	Use of sugarcane bud chipper for drudgery reduction	1	1	0	25	0	0	0	0	0	0
Angul	FW	OFC	WOE	Use of Ground nut Stripper for drudgery reduction	1	1	0	25	0	0	0	0	0	0
Angul	FW	OFC	WOE	Planning, layout, crop rotation in kitchen garden	1	1	0	25	0	0	0	0	0	0
Angul	FW	OFC	WOE	Use of maize sheller for drudgery reduction	1	1	0	25	0	0	0	0	0	0
Angul	FW	OFC	WOE	Azolla cultivation for Milch cow	1	1	0	25	0	0	0	0	0	0
Angul	FW	OFC	WOE	Management practices of goat	1	1	0	25	0	0	0	0	0	0
Angul	FW	OFC	WOE	Value addition in mushroom	1	1	0	25	0	0	0	0	0	0
Angul	FW	OFC	FIS	Pond management practices in pisciculture	1	1	16	5	1	1	1	1	0	0
Angul	FW	OFC	FIS	Species combination in Composite fish culture Technology	1	1	22	0	3	0	0	0	0	0
Angul	FW	OFC	FIS	Feeds for fish , its preparation method and use	1	1	19	0	5	0	1	0	5	0
Angul	FW	OFC	FIS	Culture of pangus	1	1	0	21	0	4	0	0	5	0
Angul	FW	OFC	FIS	Fish diseases and their control	1	1	19	0	4	2	0	0	0	0
Angul	FW	OFC	FIS	Construction and design of fish seed hatchery	1	1	22	0	3	0	0	0	0	0

Name of KVK	Cate-gory	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15	16
Angul	FW	OFC	FIS	Carp fry and fingerlings rearing	1	1	18	0	6	0	1	0	6	0
Angul	RY	ONC	CRP	Certified seed production in pigeon pea	1	2	11	2	2	0	0	0	0	0
Angul	RY	ONC	CRP	Certified seed production in sesamum	1	2	12	0	3	0	0	0	0	0
Angul	RY	ONC	SFM	Vermi composting of agricultural waste	1	2	15	10	0	0	0	0	0	0
Angul	RY	ONC	HOV	Seed production and seed extraction techniques in tomato	1	2	15	0	0	0	0	0	0	0
Angul	RY	ONC	AEG	Custom hiring of modern agricultural implements	1	2	15	0	0	0	0	0	0	0
Angul	RY	ONC	CBD	Entrepreneurial skill development	1	1	10	5	0	0	0	0	10	5
Angul	RY	ONC	CBD	Micro credit and micro-finance management	1	2	10	5	0	0	0	0	10	5
Angul	RY	ONC	CBD	Income generation through FIG	1	1	10	5	0	0	0	0	10	5
Angul	RY	ONC	CBD	Linking farmers to market	1	2	13	2	0	0	0	0	13	2
Angul	RY	OFC	CBD	Primary processing of forest products	1	2	15	0	0	0	0	0	0	0
Angul	RY	ONC	WOE	Value addition in mango	1	2	0	15	0	0	0	0	0	0
Angul	RY	ONC	WOE	Cultivation of oyster mushroom	1	2	0	15	0	0	0	0	0	0
Angul	RY	ONC	WOE	Vaccination schedule for poultry birds	1	2	0	13	0	2	0	0	0	0
Angul	RY	ONC	FIS	Yearling production technique	1	2	0	0	0	0	11	4	0	0
Angul	IS	ONC	CRP	Sustainable cropping system in red loam with medium rainfall and medium land farming situation	1	1	7	3	0	0	0	0	0	0
Angul	IS	OFC	SFM	Micronutrient management in oilseed crops	1	1	9	1	0	0	0	0	0	0
Angul	IS	ONC	HOV	Rose planting material production technique in shed net house	1	1	8	2	0	0	0	0	0	0
Angul	IS	ONC	CBD	Integrated Farming System for watershed areas	1	1	8	0	1	1	0	0	0	0
Angul	IS	ONC	CBD	SHG Management –Concept,operation and Bank linkage	1	1	0	9	0	1	0	0	0	0
Angul	IS	ONC	CBD	Innovative Extension Methodologies	1	1	10	0	0	0	0	0	0	0
Angul	IS	ONC	CBD	Value chain management in Agriculture marketing	1	1	10	0	0	0	0	0	0	0
Angul	IS	ONC	CBD	Information and communication technology for Agricultural Knowledge management	1	1	10	0	0	0	0	0	0	0
Angul	IS	ONC	AEG	Micro-irrigation system for horticultural crops	1	1	9	1	0	0	0	0	0	0
Angul	IS	ONC	WOE	Use of women friendly drudgery reduction tools	1	1	9	1	0	0	0	0	0	0

Table 5.2. Details of Vocational training programmes for Rural Youth conducted by the KVKs

Name of KVK	Training title	Crop / Enterprise	Identified Thrust Area	Duration of training (days)	Number of Beneficiaries							
					Gen		SC		ST		Others	
					M	F	M	F	M	F	M	F
Angul	Mushroom production	Mushroom	Income generation	5 days	0	10	0	0	0	0	0	0
Angul	Certified seed production in pigeon pea	Pigeon pea	Income generation	2	11	2	2	0	0	0	0	0
Angul	Certified seed production in sesamum	Sesamum	Income generation	2	12	0	3	0	0	0	0	0
Angul	Vermi composting of agricultural waste	Vermicompost	Income generation	2	15	10	0	0	0	0	0	0
Angul	Entrepreneurial skill development	Agri enterprises	Income generation	1	10	5	0	0	0	0	10	5
Angul	Micro credit and micro-finance management	Agri enterprises	Income generation	2	10	5	0	0	0	0	10	5
Angul	Income generation through Farmer's income group	Spice	Income generation	1	10	5	0	0	0	0	10	5
Angul	Primary processing of forest products	Forest products	Income generation	2	15	0	0	0	0	0	0	0
Angul	Value addition in mango	Mango	Income generation	2	0	15	0	0	0	0	0	0
Angul	Cultivation of oyster mushroom	Mushroom	Income generation	2	0	15	0	0	0	0	0	0
Angul	Yearling production technique	Fish	Income generation	2	0	0	0	0	11	4	0	0

Table 5.3. Details of training programme conducted for livelihood security in rural areas by the KVKs

Name of KVK	Training title	Self employed after training			Number of persons employed else where
		Type of units	Number of units	Number of persons employed	
Angul	Primary processing of forest products	Seeds	6	3	
Angul	Cultivation of oyster mushroom	Bag	10	10	

Table 5.4. Sponsored Training Programmes

Name of KVK	Title	Thematic area (as given in abbreviation table)	Sub-theme (as per column no 5 of Table T1)	Client (FW/ RY/ IS)	Dura-tion (days)	No. of courses	No. of Participants								Sponsoring Agency	Fund received for training (Rs.)
							Gen		Others		SC		ST			
							M	F	M	F	M	F	M	F		

Table 5.5 Training Programmes for Panchayatiraj Institutions Office-bearers & members

Name of KVK	Title	Thematic area (as given in abbreviation table)	Sub-theme (as per column no 5 of Table T1)	Client (FW/ RY/ IS)	Dura-tion (days)	No. of courses	No. of Participants								Sponsoring Agency	Fund received for training (Rs.)
							Gen		Others		SC		ST			
							M	F	M	F	M	F	M	F		

Table 5.6 Evaluation/Follow up & Impact of the training programmes conducted by the KVK (all types of trainings)

Name of KVK	Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs)		Impact on 1. Area expanded (ha) 2. No. of farmers adopted (no.) 3. % change in knowledge, production & Income
			Before	After	Before	After	Before	After	
Angul	Improved Agronomic practices in rainfed upland rice	10	2	4	5	48.4	14000	24000	20 ha, 40 farmers
Angul	Improved Agronomic practices for hybrid rice cultivation	8	1	3	40.6	60.2	20000	47500	10 ha, 20 farmers
Angul	Nutrient management in Yam with maize (1:2) intercropping system	12	2	3	120.0 27	131.0 32.0	40000	73000	82 % change in income
Angul	Boron and Sulphur management in groundnut	14	1	4	14.7	20	29000	42000	36% change in production
Angul	Bio fertiliser application in tomato	15	2	4	310	354	102000	132000	40 ha,Change in knowledge, 29% change in income,
Angul	Nutrient management in cabbage	13	1	3	230	280	62000	92000	25 ha, 24% change in production
Angul	Use of tractor drawn rotavator for land preparation	9	1	4	375	400	125000	145000	16% change in income
Angul	Improved groundnut cultivation	15	2	4	14	20	28200	42000	50 ha, 48.9% change in income, 42.8% change in production
Angul	Improved blackgram cultivation	10	1	3	5	7.5	7900	15800	35 ha, 50% change in production
Angul	Income generation through FIG	15	1	3	-	-	-	Rs.2,000/- per month	4 farmers have started small units
Angul	Innovative extension methodology	10	1	4	-	-	-	-	20 farmer used KMS service for agril. Work
Angul	Value addition mushroom	12	2	4			60/-	140/-	120% change in income
Angul	Ornamental fish rearing	2	0	3				30000	4 farmers have adopted

6. EXTENSION ACTIVITIES

Name of the KVK	Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
				Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topics	Crop Stages
				M	F	M	F	M	F			
Angul	Field Day	8	7	180	49	10	6	6	1	Large scale adoption & technology assessment		
Angul	Kisan Mela	2	2	167	33	79	21	7	3	Awareness, popularization of technology, feedback		
Angul	Exhibition	2	1	151	44	21	12	11	4	Display of latest technology		
Angul	Film Show	15	15	25	34	6	19	7	1	Better adoption		
Angul	Method Demonstrations	5	5	56	34	9	3	3	-	Better adoption		
Angul	Workshop	2	2							Review		
Angul	Group meetings	15	15	124	37	31	18	4	1	Discussion		
Angul	Lectures delivered as resource persons	-	14							Advance technology		
Angul	Newspaper coverage	-	7							Awareness		
Angul	Radio talks	-	5							Mass communication		
Angul	TV talks	08	10							Diffusion		
Angul	Popular articles	-	10							Awareness		
Angul	Extension Literature	10	10							Farm advisory services		
Angul	Farm advisory Services	60	54	246	87	24	12	2	8	Technical know how		
Angul	Scientific visit to farmers field	150	151	470	110	21	18	4	7	All activities		
Angul	Farmers visit to KVK	1	1	247	84	14	3	17	2	Meeting, Demo units		
Angul	Diagnostic visits	20	18	112	46	35	14	4	-	Disease & pest attack		
Angul	Exposure visits	2	2	21	12	-	-	4	1	Adoption of ornamental fish breeding, mushroom		
Angul	Ex-trainees Sammelan	2	2	40	10	2	-	3	-	Impact analysis		
Angul	Soil health Camp	1	1	27	23	1	4	2	1	Awareness on soil health management		
Angul	Soil test campaigns	1	1	38	12	1	-	-	-	Awareness on soil health management		
Angul	Farm Science Club conveners meet	12	12	285	19	46	20	15	1	Rural marketing & capacity building		
Angul	Self Help Group conveners meetings	4	4	12	34	5	1	4	2	Agro enterprise development		
Angul	Celebration of important days (World environment day)	2	2	40	24	5	3	8	2	Foundation day, Akhaya-trutiya, awareness & campaign		

7. Literature Developed/Published (with full title, author & reference)

7.1 KVK Newsletters

KVK Name	Date of start	Periodicity	Number of copies printed	Number of copies distributed
Angul	2007	Quarterly	2000	1500

7.2 Literature developed/published

KVK Name	Type	Title	Author's name	Number of copies
Angul	Pamphlet	Weed management in groundnut	T. K. Samanta	100
Angul	Booklet	Scientific method of greengram cultivation	T. K. Samanta	500
Angul		Improved method of hybrid rice cultivation	T. K. Samanta	500
Angul		Improved method of sesamum cultivation	T. K. Samanta	500
Angul		Phala O panipariba prakriya karan	S. Acharya	500
		Pakasala bagicha O tara upakarita	S. Acharya	500
Angul		Chingudi ra rogo O tara pratikar	R. P. Mishra	500
Angul		Information on agriculture programmes	KVK	500
Angul	Leaflet	Muga phasalare anu sarara prayoga	B. Satpathy & M. Prustty	500
Angu		Nadia phasalara mukhya kita O tara niyantran	D. Panigrahi	500
Angul		Masala chasa	B. Satpathy & M. Prustty	500
Angul		Gajara ghasa damana	B. Satpathy & M. Prustty	500
Angul		Chinabadam phasalare jibanu sarara prayoga	B. Satpathy & M. Prustty	250
Angul		Machha O chingudira mishrita chasa	R.P. Mishra	500
Angul		Janala ra packing O paribahana	R.P. Mishra	500
Angul	Research paper	Rural livelihood, farming system & livelihood capital- A study	B. Satpathy & D. Dasgupta	-
Angul		Vulnerability & sustainable livelihood: Insights from central Odisha	B. Satpathy & D. Dasgupta	-
Angul		Drought management by small holder farmers – A case of Angul district	B. Satpathy & M. Prustty	-
Angul		Role of SHGs in empowering tribal women of Gajapati District of Odisha	S. Acharya & P. Samantaray	-
Angul		Diversity of Bee Flora & its calendar of availability in Subarnpur district of western central table land zone of Odisha	D. Panigrahi	-
Angul		Bee species visiting Toria and their role on yield & yield parameters of Toria in Subarnpur district of Odisha	D. Panigrahi	
Angul		Assessment of bio intensive management schedule for aphids in Toria and its effect on aphidophagous predators	D. Panigrahi	
Angul	Book chapter	Indigenous knowledge in ensuring rural food security: A case of Angul district	B. Satpathy & D. Dasgupta	
Angul	Year planner	-	KVK	50

7.3 Details of Electronic Media Produced

KVK Name	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
Angul	CD	Commercial mushroom production	Development under process

8. Production and supply of Technological products

8.1 SEED production

KVK Name	Major group/class	Crop	Variety	Quantity (qt.)	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Angul	Green mannuring	Dhaincha	TL	10	25000	32	40

8.2 Planting Material production

KVK Name	Major group/class	Crop	Variety	Nos.	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Angul	Vegetables	Tomato	Utkal Dipti, Chiranjeebi,Kafila	33480	33480	70	0.9
Angul		Brinjal	Utkal Anushree,Tarini, S 132	25914	25914	45	0.7
Angul		Chilli	Utkal Ragini, Siam Hot	15686	15686	30	0.4
Angul		Cabbage	Summer queen, BC T6	520	520	10	0.01
Angul		Cauliflower	Kamiya	200	200	6	0.005
Angul		Onion	Agri Found Light Red	270000	10800	50	1.2
Angul		Marigold	Pusa Narangi	15000	15000	25	0.4

8.3 ProductiOnionon Units (bio-agents / bio pesticides/ bio fertilizers etc.)

KVK Name	Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (In Kg)	Qty (In No)	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Angul	Bio Agents						
Angul	Bio Agents						
Angul	Bio Fertilizer	Azolla	13		520	40	0.013
Angul	Bio Fertilizer	Vermi compost	1500		7500	45	1.3
Angul	Other	Mushroom Spawn		2400	28800	120	
Angul		Mushroom	170		9500	105	

8.4 Livestock and fisheries production

KVK Name	Name of the animal / bird / aquatics	Breed	Type of Produce	Qty. (kg/qt./litre)	Value (Rs.)	No. of Beneficiaries

9. Activities of Soil and Water Testing Laboratory

9.1 Details of soil samples analyzed so far :

KVK Name	Status of establishment of Lab	Year of establishment	Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized	Soil report distributed to the farmers (Nos)
Angul	Functioning	`2007		1004	1004	45	5020	1004

9.2 Details of water samples analyzed so far :

KVK Name	Status of establishment of Lab	Year of establishment	Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized	Water report distributed to the farmers (Nos)
		`						

10. Rainwater Harvesting

Training programmes conducted by using Rainwater Harvesting Demonstration Unit

Name of KVK	Date	Title of the training course	Client (PF/RY/EF)	No. of Courses	No. of Participants including SC/ST			No. of SC/ST Participants		
					Male	Female	Total	Male	Female	Total

11. Utilization of Farmers Hostel facilities

KVK Name	Months	Year	Title of the training course	Duration of training	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)	Accommodation available (No. of beds)
Angul	April	2013	Crop diversification on rainfed upland in rice based cropping system	2 days	25	50	-	25
Angul	April	2013	Integrated pest management for rice stem borer	2 days	25	50	-	25
Angul	June	2013	Soil & water quality management in pisci culture tanks	2 days	25	50	-	25
Angul	June	2013	Value addition in mango	2 days	15	30	-	25
Angul	June	2013	Fertiliser management of young mango orchard	2 days	25	50	-	25
Angul	July	2013	Lay out for planting of fruit & vegetable suitable for pond embarkment	2 days	25	50	-	25
Angul	July	2013	Breeding and seed production techniques of major carps	2 days	25	50	-	25
Angul	August	2013	Nutrient management in upland paddy	2 days	25	50	-	25
Angul	August	2013	Certified seed production in Arhar	2 days	15	30	-	25
Angul	August	2013	Bio fertiliser production technology	2 days	25	50	-	25

KVK Name	Months	Year	Title of the training course	Duration of training	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)	Accommodation available (No. of beds)
Angul	August	2013	Propagation technique of rose plant	2 days	25	50	-	25
Angul	August	2013	Micro credit and micro finance management	2 days	15	30	-	25
Angul	August	2013	Desi magur culture	2 days	25	50	-	25
Angul	August	2013	Yearling production technique	2 days	15	30	-	25
Angul	September	2013	Income generation through farmers income group	2 days	15	30	-	25
Angul	September	2013	Fertiliser management in banana plantation	2 days	25	50	-	25
Angul	September	2013	Duck cum fish farming	2 days	25	50	-	25
Angul	September	2013	Vaccination schedule for poultry birds	2 days	15	30	-	25
Angul	October	2013	Fertiliser management in chilli	2 days	25	50	-	25
Angul	October	2013	Organic cole crop cultivation	2 days	25	50	-	25
Angul	October	2013	Custom hiring of agricultural implements	2 days	15	30	-	25
Angul	November	2013	Post flood & cyclone Plant protection measurers	2 days	25	50	-	25
Angul	November	2013	Linking farmers to market	2 days	15	30	-	25
Angul	November	2013	Recent advances of fresh water prawn culture	2 days	25	50	-	25
Angul	December	2013	Seed production and seed extraction technique in tomato	2 days	15	30	-	25
Angul	December	2013	Oyster mushroom cultivation	2 days	15	30	-	25
Angul	January	2014	Integrated pest management in greengram	2 days	25	50	-	25
Angul	January	2014	Mushroom production technology	5 days	10	50	-	25
Angul	February	2014	Remunerating cropping sequence in medium land farming situation	2 days	25	50	-	25
Angul	February	2014	Certified seed production in sesamum	2 days	15	30	-	25
Angul	February	2014	Primary processing of forest products for livelihood security	2 days	15	30	-	25
Angul	March	2014	Water management in groundnut	2 days	25	50	-	25

12. Utilization of Staff Quarters facilities

KVK Name	Year of construction	Year of allotment	No. of quarters occupied	No. of quarters vacant	Reasons for vacant quarters, if any
Angul	2009-10	2009-10	03	03	-

13. **Details of SAC Meeting**

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations
Angul	13.08.13	22	• Thrust on crop diversification in the district owing to its industrial trend. • Two nos. of rural youth training and 1 no. of vocational training per quarter may be organized • Extension materials on adoption of relevant technologies need to be published • Soil test report after the demonstration & trials need to be analyzed to mark the variation in status • Refinement in Front Line Demonstration under Oil seed & Pulses need to be emphasized & assessment to be done for production gap in technology. • Pond based farming system to be developed in all farming situation of the district. • Awareness on contract farming need to be popularized in the district. • Service providers in the Farm Mechanization sector need to be encouraged. • Women entrepreneurs to be promoted. • Technology on climate resilience need to be emphasized for the agriculture sector • A study to be made to assess the market information structure in the district. • Enterprises on livestock need to be guided.

14. Status of Kisan Mobile Advisory (KVK-KMA)

KVK Name	No. of messages sent	No. of beneficiary		Sponsoring agency (NIC, Farmers Portal, etc.)	Major recommendations
		Farmers	Ext. Pers.		
Angul	97	1000	20	Pacific technology Pvt. Ltd., Farmers portal	Integrated Nutrient Management, Integrated Pest Management, Soil Health, Agri alert, Market information, Enterprise awareness

15. Status of Convergence with various agricultural schemes (Central & State sponsored)

KVK Name	Name of scheme	Name of Agency (Central/state)	Funds received (Rs.)	Activities organized	Operational Area	Remarks
Angul	ATMA	Central	-	Line sowing in greengram	Maranda	Crop harvest bumper production
Angul			-	Capacity building of federation members	KVK campus	Training cum workshop have been organized

16. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance (Rs.)	Closing balance (Rs.)	Current status (Rs.)
Angul	30160005025	190795	244833	244833

17. Awards & Recognitions

KVK Name	Name of award /awardee	Type of award (Ind./Group/Inst./Farmer)	Awarding Organizations	Amount received
Angul	Bibhuti Pradhan	Individual	DEE, OUAT	Certificate
Angul	Khirod Sahoo	Individual	KVK, Angul	Certificate
Angul	Duryodhan Sahoo	Individual	KVK, Angul	Certificate

18. Details of KVK Agro-technological Park .

a) Have you prepared layout plan, where sent?

S .No.	Name of KVK	Technology park proposal developed(yes/no)	If yes, where sent ? (ZPD/DES/any other, pl. sp.)
	Angul	Yes	ZPD & DES

b) Details about Technology Park

Name of KVK	Name of Component of Park	Detail Information (If established)
	Crop Cafeteria	
	Technology Desk	
	Visitors Gallery	
	Technology Exhibition	
	Technology Gate-Valve	

c). Crop Cafeteria-

Sr. No.	Theme of Crop Cafeteria	No. of Crop Cafeteria

19. Farm Innovators- list of 10 Farm Innovators from the District

Sr. No.	Name of KVK	Name of Farm Innovator	Name of the Innovation	Address of the farmer with Mobile No.
1	Angul	Khirod Swain	Manual sprayer	9853513385
2	Angul	Abinash Sahu	Eco friendly pesticide formulation	9778971480

20. KVK interaction with progressive farmers

Sr. No.	Date and month of interaction programme with progressive farmers	No. of progressive farmers to be participated
1	18.04.13	37
2	18.05.13	41
3	18.06.13	42
4	18.07.13	38
5	19.08.13	40
6	18.09.13	31
7	18.11.13	32
8	18.12.13	34
9	18.01.14	36
10	18.02.14	36
11	14.03.14	35

21. Outreach of KVK

Name of KVK	Number of Blocks		Number of Villages	
	Intensive	Extensive	Intensive	Extensive
Angul	5	8	14	81

Intensive- OFTS, FLDS etc; Extensive- Literatures, Publications, Awareness programmes etc.

22. Technology Demonstration under Tribal Sub Plan on Pulses/ Programme on Harnessing Pulses/ Quality Protein Maize, if applicable.

Sr. No.	Name of crop under Technology demonstration	Area under the programme	No. of Extension Activities	Remarks / Lessons learnt
1	Groundnut	-	Exposure visit of farmers to GRC, Junagarh	-

23. KVK Ring

Sr. No.	Name of Ring Partner	Sharing Activity	Lessons learnt/ Experiences gained.
1	KVK, Dhenkanal	Participation in SAC, Farmers's fair	Implementation of Govt. Schemes & Projects
2	KVK, Deogarh	Farmer's fair, Exposure visit	
3	KVK, Boudh	Participation in SAC	

24. **Important visitors to KVK**

Name of KVK	Name of Visitor	Date of Visit	ICAR	SAUs	Others	Remarks
Angul	Dr.(Prof.) Manoranjan Kar	23.04.13		Vice Chancellor, OUAT, Bhubaneswar		
Angul	Dr.(Prof.) Manoranjan Kar	20.02.14		Vice Chancellor, OUAT, Bhubaneswar		
Angul	Dr. A. P. Diwedi	20.11.13	Sr. Scientist, ZPD, Zone-VII, JAbalpur			
Angul	Dr. R. K. Raj	13.08.13		JDE, DEE, OUAT, Bhbaneswar		
Angul	Sri Anand Bagbaj	14.03.14			NABARD	

25. Status of KVK Website:

Sr. No.	Name of KVK	Date of start of website	No. of updates since inception	No. of visitors
1	Angul	02.05.2011	12	

26. E-CONNECTIVITY

Name of KVK	Number and Date of Lecture delivered from KVK Hub				No. of lectors organized by KVK	Brief achievements	Remarks
	Date	No. of Staff attended	No. of call received from Hub	No. of Call mate to Hub by KVK			

27. Status of RTI

Sr. No.	Name of KVK	No. of RTI applications received	No. of RTI appeals	Remarks

28. Status of Citizen Charter

Sr. No.	Name of KVK	Query received(Nos.)	Query Disposed(Nos)	Remarks
1	Angul	14	14	

29. Attended HRD Programmes organized by ZPD

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Angul	Dr. D. Panigrahi	Programme Coordiantor	3	National conference
Angul	Dr. N. Das	Ex. -Programme Coordinator	1	KVK mandatory activities
Angul	Sri B. Mohanty,	SMS, Agril. Engg.	1	Action plan development
Angul	Mrs.(Dr.) B. Satpathy	SMS, Agril. Extension	1	Action plan development
Angul	Sri D.S.Kar	SMS ,Horticulture	1	Action plan development
Angul	Mrs.S.Acharya	SMS, Home Science	1	Action plan development
Angul	Sri. B. C. Dhir	SMS, Plant Protection	1	Action plan development

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Angul	Sri T.K.Samant	SMS, Agronomy	1	Action plan development
Angul	Mrs.R.P.Misra	PA, Fishery Science	1	Action plan development
Angul	Sri Biswajit Pradhan	PA, Computer Science	1	Action plan development

Name of KVK	Total Number of staff Attended HRD Programme organized by ZPD (nos)	Total Number of Programme attended (Nos)
Angul	9	9

30. Attended HRD Programmes organized by DES

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Angul	Dr. D. Panigrahi	Programme Coordinator	**3**	Maize training programme, RKVY pre workshop, strategy meeting
Angul	Dr. N. Das	Ex. -Programme Coordinator	1	Action plan presentation
Angul	Sri B. Mohanty,	SMS, Agril. Engg.	1	Orientation programme
Angul	Mrs.(Dr.) B. Satpathy	SMS, Agril. Extension	1	Orientation programme
Angul	Sri D.S.Kar	SMS ,Horticulture	1	Orientation programme
Angul	Mrs.S.Acharya	SMS, Home Science	1	Orientation programme
Angul	Sri. B. C. Dhir	SMS, Plant Protection	1	Orientation programme
Angul	Sri T.K.Samant	SMS, Agronomy	1	Orientation programme
Angul	Mrs.R.P.Misra	PA, Fishery Science	1	Orientation programme
Angul	Sri Biswajit Pradhan	PA, Computer Science	1	Orientation programme

Name of KVK	Total Number of staff Attended HRD Programmes organized by DES (nos)	Total Number of Programmes attended (Nos)
Angul	10	12

31. Attended HRD Programmes by KVK Staff (Refresher course, Short course, Training programme etc.)

Name of KVK	Name of Staff	Post held	Programmes attended (Nos)	Remarks
Angul	D. Panigrahi	Programme Coordinator	3	
Angul	T. K. Samant	SMS, Agronomy	3	
Angul	S. Acharya	SMS, Home Sc.	1	

Name of KVK	Total Number of staff Attended HRD Programmes by KVK staff (nos)	Total Number of Programmes attended (Nos)
Angul	1	3

32. Agri alert report (Epidemic, high serious nature problem, Cyclone etc. reported first time to ZPD, SAU, Agri. Deptt. and ICAR)

Name of KVK	Alert observed	Particulars	Reported to organization
Angul	**Before Cyclone**		
Angul	Paddy	1. Harvest matured crops immediately and store in a safe place 2. Postpone the fertiliser application and spraying operation	ZPD,SAU & ATMA
Angul	Greengram/ Blackgram	1. Harvest matured crops immediately and store in a safe place 2. Postpone the fertiliser application and spraying operation	ZPD,SAU & ATMA
Angul	Tomato/ Brinjal/ Cauliflower	1. Cover the vegetable nursery with HDP polythene 2. Postpone the sowing	ZPD,SAU & ATMA
Angul	Banana	1. Stalking made at flowering & fruiting stage	ZPD,SAU & ATMA
Angul	Cow/Bullock	1. Provided with dry and clean shelter & deworming	ZPD,SAU & ATMA
Angul	**After Cyclone**		
Angul	Paddy	1.Drain out excess water from paddy field 2. Spray with Chloropyriphos@ 1.0 L/ha against swami caterpillar and Validamycin @2.5 l/ha against sheath blight	ZPD,SAU & ATMA
Angul	Pigeon pea	1.Drain out excess water from pigeon pea field	ZPD,SAU & ATMA
Angul	Tomato/ Brinjal/ Cauliflower	1.Drain excess water from crop field 2.Drenching of Brinjal/Cauliflower with Carbendazem & Streptocyclin	ZPD,SAU & ATMA
Angul	Mango	1. Remove the affected branches & treat the affected portion with Cupper oxy chloride @ 2g/ha	ZPD,SAU & ATMA

33. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
Angul	Soil Health Camp	1	50	-
Angul	Method Demonstration on Mushroom Cultivation	1	50	Enterprise
Angul	Road show on post harvest	1	100	Vegetables, Oil seed & Pulses
Angul	Farmer scientist interaction	1	25	Seed production in Groundnut
Angul	Exposure visit to CIFA	1	08	Ornamental fish rearing
Angul	Method Demonstration on post hole digger	1	25	Farm mechanisation

34. INTERVENTIONS ON DROUGHT MITIGATION

Introduction of alternate crops/varieties

Name of KVK	Crops/cultivars	Area (ha)	Number of beneficiaries
Angul	Sahabhagi dhan	160	135

Name of KVK	Crops/cultivars	Area (ha)	Number of beneficiaries
Angul	Maize	350	175
Angul	Pigeon pea	3200	1800
Angul	Sesamum	1100	450

Major area coverage under alternate crops/varieties

Name of KVK	Crops	Area (ha)	Number of beneficiaries
Angul	Paddy(upland)	9149	4500
Angul	Maize	600	350
Angul	Pigeon pea	9610	5100
Angul	Sesamum	15310	7200

Farmers-scientists interaction on livestock management

Name of KVK	Livestock components	Number of interactions	No. of participants

Animal health camps organized

Name of KVK	Number of camps	No.of animals	No.of farmers

Seed distribution in drought hit states

Name of KVK	Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers
Angul	Paddy(Khandagiri)	2.4	3.2	5

Seedlings and Saplings distributed

Name of KVK	Crops	Quantity (No.s)	Coverage of area (ha)	Number of farmers
Seedlings				
Angul	Tomato	5400	0.15	12
Angul	Brinjal	8250	0.2	14
Angul	Onion	270000	1.2	50

Bio-control Agents

Name of KVK	Bio-control Agents	Quantity (q)	Coverage of Area (ha)	No. of farmers

Bio-Fertilizer

Name of KVK	Bio-Fertilizer	Quantity (kg)	Coverage of Area (ha)	No. of farmers
Angul	Vermi compost	800	0.4	14

Verms Produced

Name of KVK	Verms Produced	Quantity (q)	Coverage of Area (ha)	No. of Farmers

Large scale adoption of resource conservation technologies

Name of KVK	Crops/cultivars and gist of resource conservation technologies introduced	Area (ha)	Number of farmers
Angul	Cultivation of greengram after harvest of paddy in Zero- till condition	20 ha	35

Awareness campaign

Name of KVK	Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers
Angul	1	75	-	-	2	70	1	200	1	200	1	25

35. Proposal of NICRA

1. **Technologies to be Demonstrated**

Name of Technology	Name of Crop	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted

2**. Proposed Extension Activities in NICRA Village**

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total

3. **Proposed Training Activities in NICRA Village**

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total

4**. Proposed Activities for Fodder Bank**

Established (Years)	Capacity	Current Status

5. **Proposed Activities for Seed Bank**

Established (Years)	Capacity	Current Status

6. **Public Representative/District Administration Visited in NICRA Village**

Name of Representative/Officer	Designation	Date of Visit	Any Special Remark by Visitors

7. Feedback of Farmers for future improvement, if any.

- Farmer field school(FFS) module should be designed
- Component package in all demonstrations should be strengthen
- Well structured village mandi for rural market

36. Proposed works under NAIP (in NAIP monitoring format)

37. Case study / Success Story to be developed – Two best only in the following format

SUCCESS STORY-I

TITLE: A PROGRESSIVE VEGETABLE GROWER

Name : Bibhuti Bhusan Pradhan
Village- Ragudiapada , Grampanchayat: Talagada
Block-Angul, Dist.Angul

Profile:-
Age : 38 years
Education: Class XII
Landholding: 10 acres
Farming experiences: Participated in KVK activities like training programmes and FLD
KVK intervention: Training & Frontline demonstration

Description of enterprises:

Crop	Area (ac.)	Gross Income (Rs)	Expenditure (Rs.)	Net Return (Rs.)
Cauliflower	2	59,670/-	27,200/-	32,470/-
Brinjal	2	80,000/-	44,000/-	36,000/-
Cucumber	1	46,000/-	31,000/-	15,000/-
Tomato	1	40,141/-	20,141/-	20,000/-
Chilli	2	38,500/-	18,000/-	20,500/-
Mango	1	50,000/-	10,000/-	40,000/-
Pointed gourd	1	44,000/-	20,000/-	24,000/-
Total	10	3,58,311/-	1,70,341/-	1,87,970/-
Livestock				
Poultry	2500 birds	4,00,000/-	2,00,000/-	2,00,000/-

NET INCOME: Rs. 3,87,970/-

IMPACT

He is able to educate his 2 children, feeding joint family of 9 members and has purchased vehicle, equipment and land. He is a great source of inspiration for fellow farmers.

SUCCESS STORY-II

TITLE:-FARM WOMEN TURNED ENTREPRENEUR

Name:- Rekha Sahu
Village/GP:- Mahidharpur, Block/ District:-Angul
Age-32 years
Education:-7th pass
Land – 4 acres
Farming experience- 10 years
Enterprise:- Commercial Mushroom farming
KVK intervention: Training & Frontline demonstration

IMPACT
Mrs. Sahu is supporting her husband in family maintenance and has purchased a vehicle. She is also expanding her business gradually. Her success has motivated 20 women farmers of her village and adjacent village named Talamula, Kantamila & Dudurkuta. She has also started value addition in mushroom

Description of Enterprise:-

Enterprise	No.	Cost of production	Gross income	Net income
Paddy straw mushroom cultivation	350 beds/ month (5 months)	70,000/-	1,40,000/-	70,000/-
Oyster mushroom cultivation	450 beds/month (4 months	54,000/-	1,44,000/-	90,000/-
NET INCOME:- 1,60,000/-				

Sr. no.	Name of KVK	No. of success stories	No. of case studies
1	Angul	6	2