ANNUAL REPORT 2021

(January 2021 to December 2022)

1. GENERAL INFORMATION ABOUT THE KVK

1.1. Name and address of KVK with phone, fax and e-mail

Address	Telephone		E mail
	Office	FAX	
Krishi Vigyan Kendra, Malkangiri At: Mundaguda, Dist: Malkangiri, Odisha-764045	-	-	kvkmalkangiri.ouat@gmail.com malkangirikvk@yahoo.co.in

1.2 .Name and address of host organization with phone, fax and e-mail

Address	Telephone		E mail
	Office	FAX	
Odisha University of Agriculture & Technology, Bhubaneswar- 751003	91-674-2397700	91-674-2397780	deanextension.ouat@gmail.com deanextensionouat@yahoo.com deanextension_ouat@rediffmail.com

1.3. Name of Senior Scientist and Head with phone & mobile No.

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Samir Ranjan Dash		9438531167	samirdash2007@rediffmail.com

1.4. Year of sanction of KVK: 2006

1.5. Staff Position (**as on 1st Jan, 2021)**

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline/	Pay Scale with present basic	Date of joining	Permanent/ Temporary	Category (SC/ST/ OBC/ Others)
1	Senior Scientist& Head	Dr. Samir Ranjan Dash	Sr. Scientist & Head	Extension	22,320-39,100+ AGP 8,000 (P. Basic 24170 /-)	23.05.2018	Permanent	Others
2	Subject Matter Specialist	Mr. Nigamananda Behera	Scientist	Agronomy	15,600-39,100+ AGP 6,000 (P. Basic 21390/-)	10.02.2014	Permanent	SC
3	Subject Matter Specialist	Sri Atish Mahendra Mane	SMS	Fishery Science	15,600-39,100 + GP 5400/- (P. Basic 15600/-)	July 2018	Permanent	SC
4	Subject Matter Specialist	VACANT						
5	Subject Matter Specialist	VACANT						
6	Subject Matter Specialist	VACANT						
7	Programme Assistant	VACANT						
8	Computer Programmer	Mr. Dibyasingh Pradhan	Programme Assistant(Computer)	Computer	9,300-34,800+ 4200 (P. Basic 12930/-)	17.12.2012	Permanent	ST
9	Farm Manager	Tanmay Kumar Behera	Farm Manager	Horticulture	9,300-34,800+ 4200 (P. Basic 10130 /-)	04.02.2019	Permanent	SC
10	Accountant / Superintendent	-	-	-	-	-	-	-
11	Stenographer	Mr. Babuli Sahu	Jr. Steno cum Computer Operator	Steno	5,200-20,200 + 2400 (P. Basic 9106/-)	28.04.2007	Permanent	OBC
12	Driver	Sri Chandra Sekhar Behera	Driver	-	5,200-20,200+1900 (P. Basic 8580 /-)	01.08.2007	Permanent	SC
13	Driver	Sri Sachidananda Rout	Driver	-	5,200-20,200+1900 (P. Basic 7,970/-)	04.07.2014	Permanent	OBC
14	Supporting staff	Sri Budhia Behera	Peon	-	4440-7440+1700 (P. Basic 6780/-)	30.07.2008	Permanent	OBC
15	Supporting staff	Sri Bata Naik	Peon	-	4440-7440+1700 (P. Basic 6780/-)	01.08.2008	Permanent	SC

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	2.0 ha
2.	Under Demonstration Units	0.5 ha
3.	Under Crops	3.5 ha
4.	Orchard/Agro-forestry	0.0 ha
5.	Others with details	14.83 ha
	Total	20.83

Total area should be matched with breakup

1.7. Infrastructure Development:

A) Buildings and others

S. No.	Name of infrastructure	Not yet started	Completed up to plinth level	Completed up to lintel level	Completed up to roof level	Totally completed	Plinth area (sq.m)	Under use or not*	Source of funding
1.	Administrative Building						281.59 m2	Used	ICAR
2.	Farmers Hostel						191.17 m2	Not Used, not handed over since 2011-12	ICAR
3.	Staff Quarters (6)						196.97 m2	Used	ICAR
4.	Piggery unit								
5	Fencing							Used	
6	Rain Water harvesting structure								
7	Threshing floor								ICAR
8	Farm godown						1500 sq ft	Used	RKVY
9.	Dairy unit								
10.	Poultry unit								
11.	Goatary unit								
12.	Mushroom Lab								
13.	Mushroom production unit						150 sq ft	Used	
14.	Shade house								
15.	Soil test Lab							Used	ICAR
16	Others,Please Specify – Seed storage Godown						1500 sq ft	Used	RKVY

* If not in use then since when and reason for non-use

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total km. Run	Present status
Bolero	2017	7,50,000		Running
Hero Honda	2017	50,000		Running

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
Soil and water testing equipments	2016	1800000	Functional	ICAR
b. Farm machinery				
Power tiller , Tractor Paddy reaper , Power Thresher , Power sprayer etc	2016	500000	Functional	ICAR
c.AV Aids				
Digital camera, Projector, Sound system etc	2017	55000	Functional	ICAR

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
Power Tiller	2016	1,35000	Functional	ICAR
Trans planter	2016	2,13000	Functional	ICAR
Paddy Thrasher	2016	75000	Functional	ICAR
Power Sprayer	2016	20000	Functional	ICAR
MV Plough	2016	20000	Functional	ICAR

1.8. Details of SAC meeting* conducted in the year

Sl. No.	Date	Number of Participants	Salient Recommendations	Action taken	If not conducted, state reason
1.	23.12.2020	35	Input dealers training programme should be organised by KVK, Malkangiri	1.Certificate course(12 days) for input dealers organisd	
			KVK should function in convergence mode	Linkage with line dept OLM and NGOs to increase the outreach of the technical activities	

			Popularisation of mushroom cultivation and backyard poultry, and duckery to provide livelihood support to the recourses farmers	400 nos of spawn distributed to SHG members and 4 nos of training prog organized Demonstration poultry Kadaknatha (1000) under TSP	
			varietal Trails farmers preference should be incorporated traditional crops like millet and PHT aspects should be taken care	Promotion of Ragi Var Arjun and Vairabh and Ragi thresher conducted	
			KVK should organise some demonstration and awareness programme , trails in inaccessible , underdeveloped tribal dominated area like Khairput, Mathili and Bonda Ghati	Training and demonstration in Khairiput and SHC training programme organice in March 2021	
			Assessments programme on suitable air breathing fish. Demonstration on paddy var. Hasanta in different locations. should be taken up for validating the performance in	Hasanta var Demonstration has been conducted in Kharif 2020	

** Salient recommendation of SAC in bullet form*

Attach a copy of SAC proceedings along with list of participants

2.a. District level data on agriculture, livestock and farming situation (2020-21)

Sl. no.	Item	Information
1	Major Farming system/enterprise	Paddy-Sesamum, Paddy-Groundnut, Paddy-Vegetable, Paddy-Fish
2	Agro-climatic Zone	South Eastern Ghat Zone
3	Agro ecological situation	1. Medium rainfall, high elevation (1000-1250 mm, 400-900m), 2. Medium rainfall, low elevation (1000-1250 mm, <400m), 3. High rainfall, low elevation (>1250 mm, <400m), 4. Low rainfall, low elevation (<1000 mm, <400m)
4	Soil type	Red laterite, acidic
5	Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables,	Paddy -2845 kg/ha Maize-2733kg/ha G Nut -1911 kg/ha , Sesamum-410 kg/ha , Green gram -463 kg/ha,

	fruits and others	Black gram- 455 kg/ha, Potato-14260kg/ha Onion - 9760kg/ha
6	Mean yearly temperature, rainfall, humidity of the district	Mean Max Temp -38.5, Mean Min Temp 21.37, Mean annual rainfall (mm)- 1946.8 Humidity –25-70%
7	Production of major livestock products like milk, egg, meat etc.	Milk – 10840MT, Meat-893.64 MT, Fish **-2856.8 Mt, Egg production** -22.261 million

2.b. Details of operational area / villages (2020-21)

Sl. No.	Name of Taluk	Name of the block	Name of the villages	Major crops & enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
1	Malkangiri	Malkangiri	MV-2, MV-3	Paddy , G Nut Seseamum Vegetables Pulse , Poultry Pisiculture	Low yield in Paddy Low yield of G Nut	Replacement of local variety Oilseed like G Nut Cultivation with INM , Back yard poultry , Pond management and feed management in Pisiculture
		Podia	MPV-56 & MPV-51	Paddy , G Nut , Sesamum Maize , Millets Poultry	Low yield in Paddy Low yield of G Nut	Replacement of Hybrid Maize and crop diversification with sweet corn Varietal Substitution of Millets
		Kalimela	MV-72	Paddy, Sesamum. G Nut, Maize , Maize Potato , Millets Poultry Pisiculture	Incidence of BPH & WBPH, low yield in Sesame due to late sowing. heavy weed infestation Tikka disease in G Nut	Replacement of local variety and IPM Vegetable Cultivation with INM Varietal Substitution of Millets, Back yard poultry Pond management and feed management in Pisiculture , Back yard poultry
		Malkangiri	MV-8, MV-9	Paddy, Sesamum. G Nut , Millets	Stem Borer & Weed infestation	IPM & IWM, Replacement of local variety G nut cultivation, Pond management and feed management in Pisiculture, Back yard poultry
		Malkangiri	Bailapari, Pedawada	Paddy, Sesamum . G Nut, Vegetables Poultry Pisiculture	Mid season Drought & Blast	Replacement of local var with IPM , Replacement of local variety, Pond management and feed management in Pisiculture Back yard poultry

2. c. Details of village adoption programme:

Name of the villages adopted by PC and SMS (2020-21) for its development and action plan

Name of village	Block	Activities taken up for development
MV-2	Malkangiri	CFLD programme on groundnut, Varietal replacement(rice var Nua Kalajira) Demonstration on kitchen garden
MV-3	Malkangiri	CFLD programme on groundnut, Varietal replacement(rice var Nua Kalajira) Demonstration on kitchen garden
Pedawada	Malkangiri	Varietal replacement (rice var Swarna Shreya) Varietal replacement(tomato var Arka Samrat) Demonstration on kitchen garden
MPV-56	Podia	Varietal replacement (rice var)
MV-72	Kalimela	Varietal replacement (rice var)
MV-9	Malkangiri	Demonstration on Sweet corn, OFT programme on water melon
Tandapally	Korkunda	Varietal replacement (Sweet corn)
Bailapari	Malkangiri	Varietal replacement (rice var Swarna Shreya) Demonstration of NADEP Compost

Achievements on technologies assessed and refined

OFT-1

1.	Title of On farm Trial	Assessment of post emergence herbicides in transplanted rice
2.	Problem diagnosed	Low yield of rice due to heavy weed infestation, Manual weeding is costly
3.	Details of technologies selected for assessment/refinement	FP-Application of Pretilachlor 1250 ml /ha and One hand weeding at 30 DAT TO-I-Post emergence application of Bispyribac sodium @20 g/ha + Almix @ 4gm ha at 25 DAT TO-II-Post emergence application of Bispyribac sodium @ 25 g/ha + Ethoxysulfuron 18.75 g/ha at 25 DAT
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	AICRP on weed management , SLREC Proceedings 2013
5.	Production system and thematic area	IWM
6.	Performance of the Technology with performance indicators	Weed count (no./m2), Dry matter of weed (g/m2),WCE(%) Yield (q/ha), Economics
7.	Final recommendation for micro level situation	Rain fed medium land
8.	Constraints identified and feedback for research	Low yield of rice due to heavy weed infestation, Manual weeding is costly
9.	Process of farmers participation and their reaction	Group meeting, training and field visit ,

Thematic area: IWM

Problem definition: Low yield in rice due to weed infestation

Technology assessed: TO-I-Post emergence application of Bispyribac sodium @20 g/ha + Almix @ 4gm ha at 25 DAT, TO-II-Post emergence application of Bispyribac sodium @ 25 g/ha + Ethoxysulfuron 18.75 g/ha at 25 DAT

Table: 01

Technology option	No. of trials	Yield component			WCE (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of effective tillers/hill	Weed count (no./m2)	Dry matter of weed (g/m2)						
FP	7	6	45	28		36.6	40,000/-	67,710/-	27000/-	1.7
TO- I		7	12	8.8	68.0	39.5	42,900/-	73,075/-	30150/-	1.8
TO- II		8	11	7.6	72.0	41.4	42,500/-	76,590/-	34060/-	1.9

OFT-2

1.	Title of On farm Trial	Assessment of Stem borer management in low land rice, var- Partikshya
2.	Problem diagnosed	Low yield in rice due stem borer incidence
3.	Details of technologies selected for assessment/refinement	FP- Assessment of Stem borer management in low land rice TO-I- Nursery treatment with fipronil 0.3G @ 20kg/ha followed by soil application of chlorantraniliprole 0.4 G @ 10 kg/ha at 30 days after transplanting (DAT) TO-II- Spraying of insecticide Rynaxypyr 18.5 SC @ 150 ml/ha or combination insecticide Spinetoram 6% + Methoxyfenozide 30% SC @ 375 ml/ ha at 20, 45 and 65 DAT
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	AICRIP, Chiplima, 2018, SLREC Proceedings 2018
5.	Production system and thematic area	IPM
6.	Performance of the Technology with performance indicators	Plant Height(cm), No. of effective tillers/hill, White ear heads (%),Yield and Economics
7.	Final recommendation for micro level situation	Rain fed medium land
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Group meeting, training and field visit during crop cutting

Thematic area: IPM

Problem definition: Low yield in rice due stem borer incidence

Technology assessed:

TO-I- Nursery treatment with fipronil 0.3G @ 20kg/ha followed by soil application of Chlorantraniliprole 0.4 G @ 10 kg/ha at 30 days after transplanting (DAT)

TO-II- Spraying of insecticide Rynaxypyr 18.5 SC @ 150 ml/ha or combination insecticide Spinetoram 6% + Methoxyfenozide 30% SC @ 375 ml/ ha at 20, 45 and 65 DAT

Table: 02

Technology option	**No. of trials**	**Yield component**			**White ear heads (%)**	**Yield (q/ha)**	**Cost of cultivation (Rs./ha)**	**Gross return (Rs/ha)**	**Net return (Rs./ha)**	**BC ratio**
		No. of effective tillers/hill	**Plant Height (cm).**	**Dead hearts (%)**						
FP	7	7	91.2	14.2	12.4	38.9	40800/-	71960/-	31130/-	1.8
TO-I		8	92.6	8.14	7.2	41.5	43200/-	76775/-	33550/-	1.9
TO-II		10	92.0	7.5	6.8	42.8	43400/-	79180/-	35760/-	1.9

OFT-3

1.	Title of On farm Trial	Assessment of Finger millet varieties
2.	Problem diagnosed	Low yield in Finger Millet due to existing local variety
3.	Details of technologies selected for assessment/refinement	FP- Dasraberi (Local)/ Nali Mandia TO1-Bhairabi TO2- Arjun (OEB526)
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	AICRP on Millet, CPR OUAT,1999 and AICRP on Millet, CPR, Berhampur, OUAT- 2016 (Annual Report 2016-17, OUAT)
5.	Production system and thematic area	Varietal evolution
6.	Performance of the Technology with performance indicators	Panicle length, Tillers/ hill, Fingers/panicle, Yield
7.	Final recommendation for micro level situation	Rainfed upland and Medium land
8.	Constraints identified and feedback for research	-
9.	Process of farmers participation and their reaction	Group meeting, training and field visit during crop cutting. Farmers were so much given the positive feedback of Arjun variety of finger millet due to the higher yield [potential.

Thematic area: Varietal substitution
Problem definition: Low yield due to existing local variety
Technology assessed: FP- Dasraberi (Local)/ Nali Mandia, TO1-Bhairabi, TO2- Arjun (OEB526)

Table: 03

Technology option	No. of trials	Yield component			Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of effective tillers/hill	Panicle length (cm)	Nos of fingers/panicle					
FP	7	1.4	5.2	5.0	7.8	19000	28080	9080	1.5
T O1		2.0	6.8	6.0	12.25	23000	44100	21100	1.9
T O 2		2.4	7.5	7.8	16.42	22000	59112	37112	2.7

OFT-4

1.	Title of On farm Trial	Assessment of suitable sowing time for YMV management in green gram
2.	Problem diagnosed	Low yield in green gram due to YMV infestation ,severe YMV incidence when Temp increases in Summer 44ºC
3.	Details of technologies selected for assessment/refinement	FP- Late sowing (3rd Week of January) , No seed treatment, High seed rate, Use of 30 kg DAP/ acre TO-I- Rhizobium inoculation @ 20gm/kg, Date of sowing in 1 st Week of January in residual moisture, Spray of Thiomethoxam (25 % WG) 5 gm/15 Lit of water with STBF) TO-II- Rhizobium inoculation @ 20gm/kg, Date of sowing in Date of sowing in 2 nd Week of December in residual moisture and Spray of Thiomethoxam (25 % WG) 5 gm/15 Lit of water with STBF
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	RRTTS Ranital,OUAT-2015,
5.	Production system and thematic area	ICM
6.	Performance of the Technology with performance indicators	YMV%, No of pods /Plant, Yield and Economics
7.	Final recommendation for micro level situation	Rice – Green gram
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Group meeting, training and field visit during crop cutting.

Thematic area: IDM

Problem definition: Low yield in green gram due to YMV infestation

Technology assessed:

TO-I- Rhizobium inoculation @ 20gm/kg, Date of sowing in 1st Week of January in residual moisture, Spray of Thiomethoxam (25 % WG) 5 gm/15 Lit of water with STBF)

TO-II- Rhizobium inoculation @ 20gm/kg, Date of sowing in Date of sowing in 2nd Week of December in residual moisture and Spray of Thiomethoxam (25 % WG) 5 gm/15 Lit of water with STBF

Table: 4

Technology option	**No. of trials**	**Yield component**			**Yield (q/ha)**	**Cost of cultivation (Rs./ha)**	**Gross return (Rs/ha)**	**Net return (Rs./ha)**	**BC ratio**
		YMV (%)	**No of branch/Plant**	**No of Pods/ plant**					
FP	7	42	5.65	16.6	5.6	9600/-	31080/-	21480/-	2.1
TO-I		18	4.40	19.2	6.2	8700/-	34410/-	25710/-	2.4
TO-II		5	4.22	20.4	7.5	7750/-	41625/-	33875/-	2.7

OFT-5

1.	Title of On farm Trial	Assessment of Sesame varieties
2.	Problem diagnosed	Low yield in Sesame due to existing local variety and disease incidence
3.	Details of technologies selected for assessment/refinement	FP- Kala Rasi TO1-GT-10 TO2- Amrit
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	AICRP on Sesame ,OUAT, Bhubaneswar, 2006 JAA (2002)
5.	Production system and thematic area	Varietal evolution
6.	Performance of the Technology with performance indicators	Plant height, Branches/plant, Siliqua/plant, Yield, BC ratio
7.	Final recommendation for micro level situation	Rain fed upland
8.	Constraints identified and feedback for research	-
9.	Process of farmers participation and their reaction	Group meeting, training and field visit during crop cutting. Farmers were so much given the positive feedback of GT-10 variety of sesame due to the higher yield potential.

Thematic area:

Problem definition: Low yield due to existing local variety

Technology assessed:
FP- Kala Rasi, TO1-GT-10, TO2- Amrit

Table: 5

Technology option	No. of trials	Yield component			Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Plant height (cm)	No of Branches/plant	Siliqua plant-1					
FP	7	122.3	2.9	36.0	4.9	20000	29400	9400	1.5
T O1		115.5	3.6	41.8	7.3	21200	43800	22600	2.1
T O 2		107.6	3.1	38.7	6.8	21200	39440	18240	1.9

OFT- 6

1.	Title of On farm Trial	Assessment of Brinjal fruit and shoot borer management
2.	Problem diagnosed	Low yield in brinjal due to heavy infestation of fruit and Shoot borer
3.	Details of technologies selected for assessment/refinement	FP- Brinjal var. Blue star and non judicious use of Pesticides (Chloropyriphos, Triazophos@2ml/ltr TO1- Flubendiamide 480 SC @ 78.70 g ai/ha and Rynaxypyr 20 SC @ 33.33 ai/ha TO2- Rynaxpyr (0.3 ml/l) application to control brinjal shoot and fruit borer
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	OUAT-2017-18 IIHR annual Report 2009-10
5.	Production system and thematic area	IPM
6.	Performance of the Technology with performance indicators	Infected fruit % / ha, healthy fruit % / ha, cost of cultivation, Yield, BC ratio
7.	Final recommendation for micro level situation	Application of Flubendiamide 480 SC @ 78.70 g ai/ha and Rynaxypyr 20 SC @ 33.33 ai/ha can control fruit & shoot borer.
8.	Constraints identified and feedback for research	-
9.	Process of farmers participation and their reaction	Group meeting, training and field visit after flowring and lso during insect/pest attack. Farmers were so much given the positive feedback. Insect infestation reduce after applying of those chemical (- Flubendiamide 480 SC @ 78.70 g ai/ha and Rynaxypyr 20 SC @ 33.33 ai/ha)

Thematic area: IPM

Problem definition: Low yield in brinjal due to heavy infestation of fruit and Shoot borer

Technology assessed:

TO1- Flubendiamide 480 SC @ 78.70 g ai/ha and Rynaxypyr 20 SC @ 33.33 ai/ha

TO2- Rynaxpyr (0.3 ml/l) application to control brinjal shoot and fruit borer

Table:-6

Technology option	**No. of trials**	**Yield component**		**Insect pest incidence (%)**	**Yield (q/ha)**	**Cost of cultivation (Rs./ha)**	**Gross return (Rs/ha)**	**Net return (Rs./ha)**	**BC ratio**
		Weight. of effected fruit (%)	**Weight of Healthy fruit (%)**						
FP	5	21.61	78.39	21.61	164.2	105470	213460	107990	2.0
T O1		10.32	89.68	10.32	218.0	114470	283400	168930	2.4
T O 2		15.05	84.95	15.05	189.3	108470	246090	137620	2.3

Results: Application of both chemical Flubendiamide 480 SC @ 78.70 g ai/ha and Rynaxypyr 20 SC @ 33.33 ai/ha reduce the pest incidence

OFT -7

1.	Title of On farm Trial	Assessment of different Methods of IMC Fingerlings production
2.	Problem diagnosed	Poor growth rate of fish fingerlings in Nursery pond
3.	Details of technologies selected for assessment/refinement	**FP:-** Pre stocking Application of COD. **TO 1:-** Pre stocking Application of cow dung manure @ 5000 kg/ha **TO 2:-** Use of mixture of cow dung manure+ MOC 500 kg./ha + SSP 150 kg./ha in 8 phage till harvesting
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	CIFRI
5.	Production system and thematic area	Nursery pond management./ Nutrient management
6.	Performance of the Technology with performance indicators	Result shows better growth & survivality of fingerlings by Use of mixture of cow dung manure+ MOC 500 kg./ha + SSP 150 kg./ha in 8 phage till harvesting
7.	Final recommendation for micro level situation	Regular feeding of carp fry with Oil cake & paddy mixture (1: 1) + Use of mixture of cow dung manure+ MOC 500 kg./ha + SSP 150 kg./ha in 8 phage till harvesting
8.	Constraints identified and feedback for research	Man power requirement is high
9.	Process of farmers participation and their reaction	Farmers Group visit , Collaborative.

Thematic area: Nutrient management

Problem definition: Poor growth rate of fish fingerlings in Nursery pond

Technology assessed: Assessment of different Methods of IMC Fingerlings production**.**

Table:-7

Technology option	**No. of trials**	Data related to problem address			**Disease/ insect pest incidence (%)**	**Yield (q/ha)**	**Cost of cultivation (Rs./ha)**	**Gross return (Rs/ha)**	**Net return (Rs./ha)**	**BC ratio**
		Initial Av length of fry(cm)	Av.length of fry Fingerlings in 3 month (cm)	% of Fish Mortality						
FP	6	1.2	6.1	65	27	10	195000/-	714000/-	519000/-	3.6
TO 1		1.2	8.6	54	24	14.28	198000/-	798000/-	600000/-	4.0
TO 2		1.2	10.3	52	13	14.87	200000/-	892000/-	692500/-	4.4

3.2 Achievements of Frontline Demonstrations

A. Details of FLDs conducted during the year

Cereals

Sl. No.	Crop	Thematic area	Technology Demonstrated with detailed treatments	Area (ha)		No. of farmers/ demonstration									Reasons for shortfall in achievement
				Proposed	Actual	SC		ST		Others		Total			
						M	F	M	F	M	F	M	F	T	
1.	Rice Var. Hasanta	ICM	Rice Var- Hasanta , a high yielding paddy variety with STBR	2.0 ha	2.0 ha	**4**	**0**	**4**	**1**	**1**	**0**	**9**	**1**	**10**	
2.	Rice Var. Nua Kalajeera	ICM	Rice Var- Nua kalajeera, is a scented rice variety	1.0 ha	1.0 ha	**4**	**0**	**2**	**0**	**1**	**0**	**7**	**0**	**7**	
3.	Rice Var. MTU 1001	IDM	Seed treatment with Carboxin + Thiram @2.5g/kg seed, 2 spray of Tricyclazole @300g/ha at 15 days interval	2.0 ha	2.0 ha	**3**	**0**	**5**	**0**	**2**	**0**	**10**	**0**	**10**	
4.	Maize Var. Rishi 44	IPM	Application of 5% active ingredient of Azadiractin, Release 20000 Trichogramma chilonis parasite at 4-5 days interval in a week interval.	2.0 ha	2.0 ha	**4**	**1**	**0**	**0**	**4**	**1**	**8**	**2**	**10**	
5	Groundnut Var. Dharani	IDM	Seed treatment with Carboxin 37.5% + Thiram 37.5% (Vitavax power)@2.5g/kg seeds and need based alternative spraying of Chlorothalonil 75% wp (Kavach) @ 1.5gm/lt. and Carbendzim 2 gm/lt. @ 15 days interval	2.0 ha	2.0 ha	**2**	**0**	**3**	**4**	**1**	**0**	**6**	**4**	**10**	
6	Rice – MTU 1010	IWM	**Post emergence application of Bispyribac sodium @ 25 g ai /ha + Ethoxysulfuron 18.75 g ai /ha at 25 DAT**+One hand weeding at 30 DAT	2.0 ha	2.0 ha	**4**	**0**	**5**	**0**	**1**	**0**	**9**	**1**	**10**	
7	Tomato variety “Arka Samrat	ICM	Tomato variety “Arka Samrat”	2.0 ha	2.0 ha	**02**	**0**	**16**	**0**	**01**	**0**	**19**	**0**	**19**	

8	Green gram Var. IPM 02-14	INM	Foliar application of 2% DAP and NPK(19:19:19) at pre flowering and 15 after first spray	2.0 ha	2.0 ha	**5**	**0**	**5**	**0**	**0**	**0**	**10**	**0**	**10**	
9	Cauliflower	IPM	Crop rotation followed by sowing of mustard as trap crop with a ratio of 2;1 ,10 days ahead of planting of main crop. Application of Neem pesticides .15% @ 1.5 lit/ha with *Bacillus thuringiensis var kurstak*i @ 2gm/lt and need based application of Cartap- hydrochloride 0.5% at 10,20 and 30 DAP and primordial stage	1.0 ha	1.0 ha	**5**	**0**	**5**	**0**	**0**	**0**	**10**	**0**	**10**	
10	Water Melon var. Arka manic	ICM	Water Melon var. Arka manic	1.0 ha	1.0 ha	**03**	**0**	**0**	**0**	**0**	**0**	**03**	**0**	**03**	
11	Pigeon pea var. PRG-176	ICM	Pigeon pea var. PRG-176	1.0 ha	1.0 ha	**2**	**0**	**3**	**3**	**2**	**0**	**8**	**2**	**10**	
12	Sweet Corn var. – Sugar-75	ICM	Sweet corn var. Sugar 75 with need based plant protection measure	1.0 ha	1.0 ha	**03**	**0**	**03**	**0**	**0**	**0**	**06**	**0**	**06**	
13	Rice	INM	Demonstration on use of CLCC based N fertilizer management in Rice	2.0 ha	2.0 ha	**02**	**0**	**04**	**04**	**0**	**0**	**06**	**04**	**10**	
14	Ducks, white Pekin	LPM	Rearing of White Pekin ducks for meat production	100	100										
15	*V. Volvacea* strain-OSM-11	Income generating Activity	*V. Volvacea* strain-OSM-11 gives 80-90% more yield as compare to the indigenous strain	100 nos beds / farmer	10 beds / farmer	**3**	**2**	**5**	**5**	**3**	**2**	**11**	**9**	**20**	
16	Poultry Kadaknath	LPM	Rearing of backyard poultry (Kadaknath) 21 days old birds, timely vaccination and supplementary feeding	200 nos	200 nos	**5**	**0**	**45**	**20**	**0**	**0**	**50**	**20**	**70**	
17	Demonstration on Mahua	AEG	Collection of Mahua flowers in Agri - shade net and Sun drying	10 nos	10 nos	**2**	**0**	**3**	**2**	**0**	**0**	**5**	**2**	**7**	

	collection and drying method for value chain		method												
18	Pisciculture (IMC)	FIS	Along with 10,000 nos. of IMC, additional 2,000 nos. of Java Punti can be stocked as an intercrop in 1 ha water spread area with avg. depth- 5 ft and an extra yield of 3.5-4 q of Java Punti can be harvested within 3-4 months	10 nos	10 nos										
19	Ragi	PHT	Pedal/Treadle Ragi Thresher	10 nos	10 nos	**2**	**1**	**3**	**2**	**2**	**0**	**7**	**3**	**10**	
20	Bee Keeping	Income generating Activity	*A cerena Indica*	5 nos	5 nos										
21	Duckery	LPM	Rearing of White Pekin ducks for meat production	100	100										
22	Fish	FIS	Application of Iodine -20 and KmNO4 has been given on the basis of intensity of diseases outbreak in the fish culture pond	7nos.	7nos.	**5**	**0**	**0**	**0**	**3**	**0**	**8**	**0**	**8**	
23	Fish	FIS	Incorporation of Grass carp fingerlings of more than 50 g size @ 500 nos. per ha and fed with Rice Bran: GOC 1:1 @3-5% per kg of their body weight	5 nos.	5 nos.	**0**	**0**	**5**	**0**	**0**	**0**	**5**	**0**	**5**	

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil (Kg/ha)			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P_2O_5	K_2O					
Rice	Kharif - 2020	Irrigated low land	Red laterite	M	L	M	Ground nut	July	Nov		
Rice	Kharif - 2020	Irrigated medium land	Red laterite	L	M	M	Green gram	July	Nov		
Rice	Kharif - 2020	Irrigated Medium land	Red laterite	M	L	M	Ground nut	July	Nov		
Maize	Kharif - 2020	Rainfed Upland	Red laterite	L	L	M	Ground nut	July	Oct		
Groundnut	Rabi 2020-21	Integrated medium land	Red laterite	L	L	M	Rice	Jan	Apr		
Rice	Kharif, 2020	Irrigated mid land	Red laterite	L	L	M	Ground nut	July	Nov		
Tomato	Rabi, 2020-21	Irrigated Up land	Red laterite	L	M	M	Rice	Nov	March		
Green gram	Rabi, 2020-21	Irrigated Medium land	Red laterite	L	L	M	Rice	Sept	Dec		
Cauliflower	Rabi 2020-21	Irrigated medium land	Red laterite	L	L	M	Rice	Oct.	Jan		
Water Melon var. Arka manic	Summer 2020	Irrigated Up land	Red laterite	L	M	M	Rice	Jan	Apr		
Pigeon pea	Kharif, 2020	Irrigated Up land	Red laterite	L	L	M	Ground nut	July	Dec		
Sweet Corn	Rabi ,2020-21	Irrigated Medium land	Red laterite	L	L	M	Vegeta ble	Nov.	Jan		

Rice	Kharif - 2020	Irrigated medium land		L	L	M	Ground nut	July	Nov.		
Oyster mushroom	Rabi 2020-201	Home stead land	Home stead land	-	-	-	-	-	-	-	-
Poultry	Rabi 2020-21	Home stead land	-		-	-	-	-	-	-	-
Mahua collection	Rabi 2020-21	Farm Land / Forest land	Red laterite	-	-	-	--	-	-		
Pisciculture	Kharif, 2020	Village GP Pond / Personal pond	Red laterite								
Ragi	Rabi 20-21	Village Peadawada, MPV-1, Dariguda	-	-	-	-	-	-	-	-	
Bee keeping	Rabi 20-21	Village Peadawada, MPV-1, Dariguda	-	-	-	-	-	-	-	-	-

In both the Tables, information of same crop should be provided. For example, if in Table 3.2A crops are mentioned as a,b,c,d etc., in the table for Details of farming situation, the same crop should be mentioned in the identical sequence.

Performance of FLD

Oilseeds:

Frontline demonstrations on oilseed crops

Crop	Thematic Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Groundnut	IDM in Groundnut cultivation	Management of Collar Rot in groundnut	10	2.0	19.2	14.5	32.4	60000/-	105600/-	45600/-	1.8	55000/-	79750/-	24750/-	1.4
Total				2.0											

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

Pulses

Frontline demonstration on pulse crops

Crop	Thematic Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
	Total														

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

Other crops

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Paddy	ICM	Demonstration on scented rice variety Nua Kalajeera	07	1.0	28.47	22.6	20.62	Tillers-9	7	38000	71175	33175	1.9	35000	49720	14720	1.4
Paddy	INM	Demonstration on use of CLCC based N fertilizer management in Rice	10	1.0	42.96	41.2	4.10	N reduce-24kg	0	40650	77328	36678	1.9	39900	73980	34080	1.8
Maize	IPM	Demonstration on Fall Army Warm Management in Maize	10	2.0	47.3	39.5	16.49			44000	83248	39248	1.9	40540	69520	28980	1.7

Tomato	IDM	Demonstration on wilt resistant hybrid tomato variety - Arka Samrat	13	2.0	381.9	265.8	30.40	Fruit wt.-102g	80.0g	84300	190979	106679	2.3	66800	132947	66146.9	2.0
Sweet Corn	ICM	Demonstration on sweet corn variety, Sugar-75	06	1.0	146.2	121.4	16.96	Cob wt-302.91kg	223.01 kg	111872	240730	128858	2.2	70886	136195	65309	1.9
Watermelon	ICM	Water Melon var. Arka manik	03	1.0	452	310	31.42	Fruit wt-3.92kg	3.14kg	51000	135600	84600	2.7	50000	124000	74000	2.5
Paddy	ICM	Rice Var- Hasanta , a high yielding paddy variety with STBR	10	2.0	43.8	39.3	10.27	11.5	25.2	45000/-	81000/-	36000/-	2.0	40000/-	72700/-	30700/-	1.9
Paddy	IDM	Blast disease management in Rice	10	2.0	39.2	34.6	11.73	PDI % 17.5	24.4	45000/-	72520/-	27520/-	1.6	42000/-	64010/-	22010/-	1.5
Groundnut	IDM	Management of Collar Rot in groundnut	10	2.0	19.2	14.5	32.4	No of Plant affected/ M^2 5	10	60000/-	105600/-	45600/-	1.8	55000/-	79750/-	24750/-	1.4
Green gram	INM	Foliar application of 2% DAP and NPK 19:19:19 at Pre flowering	10	2.0	5.13	4.48	14.51			25000/-	35900/-	10900/-	1.4	24000/-	31360/-	7360/-	1.3
Pigeon Pea	ICM	Pigeon Pea variety-PRG-176	10	2.0	8.5	6.2	37.1			39000/-	59500/-	20500/-	1.5	30000/-	43400/-	13400/-	1.4

Rice	IWM	Pre- emergence application of herbicide (Bensulfuran methyl (0.6%)+Pretilachlor(6.0%) (@ 10 kg/h at 4 DAT + One hand weeding at 30 DAT	10	2.0	44.6	39.6	11.21			40,000 /-	78,050 /-	38,050	1.9	38,000 /-	69300 /-	29300 /-	1.8
Total			108	20													

Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Poultry	Backyard Poultry, breed Kadaknath	Poultry, breed Kadaknath	80	10	Body Weight 1.6 Kg/bird/Year	Body Weight 2.0 Kg/bird/year	25%	Disease incidence (%) Bellow- 5	Disease incidence (%) More- 5	380/-	960/-	580/-	2.5	350/-	600/-	250/-	1.7
Poultry	Backyard Poultry, Vanaraja	Backyard Poultry, Vanaraja	70	12	Body Weight 3.6 Kg/bird/Year	Body Weight 2.0 Kg/bird/year		Disease incidence (%) Bellow- 5	Disease incidence (%) More- 5	380/-	720/-	340/-	1.8	350/-	600/-	250/-	1.7
Others (pl.specify)																	
Total			150	22													

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

Fisheries

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Common carps	Disease management	Application of Iodine - 20 and KmNO4	8	8	Mortality (10%) Yield 20.5q/ha	Mortality (35%) Yield 16q/ha	37.3	Avg wt of carp 490g.	Avg wt of carp 465 g.	55000	208000	153000	3.7	53000	128000	75000	2.4
Common carps	Carp poly culture	Rearing of grass carp in carp poly culture (1000 fingerlings/ha in addition with IMC 6000 fingerlings/ha)	5	5	Yield Carp 27q Grass carp 3q /ha Total 30q	Yield Carp 21q Grass carp Nil Total 21q	30	Avg. wt of carp 550 g. Grass carp 600 g.	Avg wt of carp 510g Grass carp Nil	70000	256000	186000	3.6	67000	160000	93000	2.3
Others (pl.specify)																	
Total			13	13													

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone** BCR= GROSS RETURN/GROSS COST

Other enterprises

Category	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.) or Rs./unit				*Economics of check (Rs.) or Rs./unit			
				Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Oyster mushroom	Enterprise Development	30	10	2.3kg/bed	1.8 kg/bed	28 %			600/10 bed	2760/10 bed	2160/- 10 bed	4.6	600/-	2160/10 bed	1560/10bed	3.6
Button mushroom																
Vermicompost																
Sericulture																
Others (pl.specify)	Demonstration on Mahua collection and drying method for value chain	10	10	Harvesting/4 tree 1 (hrs)	Quantity/4 Plants (Kg) 12 hrs						20,000/-				10,000/-	
Total																

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

Women empowerment

Category	Name of technology	No. of demonstrations	Observations		Remarks
			Demonstration	Check	
Farm Women	**Enterprise development through mushroom cultivation**		2.5 kg / bed	1.2 kg /bed	Income generation
Pregnant women					
Adolescent Girl					
Other women	Nutritional garden for nutritional security	10	120 kg / unit	40 kg / unit	Nutritional security
Children					
Neonatal					
Infants					

Farm implements and machinery

Name of the implement	Crop	Name of the technology demonstrated	No. of Farmer	Area (ha)	Filed observation (output/man hour)		% change in major parameter	Labor reduction (man days)	Cost reduction (Rs./ha or Rs./Unit)
					Demonstration	Check			
Pedal/ Treadle Ragi Thresher	Finger millet	Post harvest management (PHT) of Ragi	10	10 units	25 kg / hr Threshing efficiency			5 md/ q	

*** Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.**
**** BCR= GROSS RETURN/GROSS COST**

Demonstration details on crop hybrids

Crop	Name of the Hybrid	No. of farmers	Area (ha)	Yield (kg/ha) / major parameter			Economics (Rs./ha)			
Cereals				Demo	Local check	% change	Gross Cost	Gross Return	Net Return	BCR
Bajra										
Maize	Sugar-75	10	1.0	146.2	121.4	16.96	111872	240730	128858	2.2
Paddy										
Sorghum										
Wheat										
Others (Pl. specify)										
Total										
Oilseeds										
Castor										
Mustard										
Safflower										
Sesame										
Sunflower										
Groundnut										
Soybean										
Others (Pl. specify)										
Total										
Pulses										
Greengram										
Blackgram										
Bengalgram										
Redgram										
Others (Pl. specify)										
Total										
Vegetable crops (Tomato)	Arka Samrat	13	2.0	381.9	265.8	30.40	84300	190979	106679	2.3
Bottle gourd										
Capsicum										

Cucumber										
Tomato										
Brinjal										
Okra										
Onion										
Potato										
Field bean										
Others (Pl. specify)										
Total										
Commercial crops										
Cotton										
Coconut										
Others (Pl. specify)										
Total										
Fodder crops										
Napier (Fodder)										
Maize (Fodder)										
Sorghum (Fodder)										
Others (Pl. specify)										
Total		20	3.0							

Technical Feedback on the demonstrated technologies

Sl. No	Crop	Feed Back
1	Groundnut	The farmers were happy by variety ICGV9114with more yield comparison to local Variety and also happy with KVK people for time to time visit at their filed. Farmers given good response regarding seed treatment, he told that before they not used any specific seed treatment as result crop more affected by collar rot but due to seed treatment, it reduced.
2	Tomato	The farmers were happy by variety Arka Samrat with more yield comparison to laxmi variety and also happy with KVK people for time to time visit at their filed.

Extension and Training activities under FLD

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	19.11.2020,11.12.2020, 04.03.2021,05.03.2021	05	142	Nua kalajeera, Hasant, Tomato, Sweet corn
2.	Farmers Training	20.09.2020,12.10.2020, 11.11.2020,06.12.2020 etc	12	360	YMV in Greengram INM in Paddy, CLCC, Weed management, Wilt in tomato, downy mildew in watermelon etc.
3.	Media coverage	_	--	-	-
4.	Training for extension functionaries	05.02.2021,06.02.2021, 28.03.2021	03	75	Groundnut quality mang., INM in paddy, INM in gnut

Performance of the demonstration under CFLD on Pulse and Oilseed Crops during Kharif 2020 and Rabi 2020-21:

A. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	Yield gap (Kg/ha) w.r.to			Name of Variety + Technology demonstrated	Number of farmers	Area in ha	Yield obtained (q/ha)			Yield gap minimized (%)		
				District yield (D)	State yield (S)	Potential yield (P)				Max.	Min.	Av.	D	S	P
	Groundnut	Andhra badam (K-6)	17.6	19.54	19.36	25	Improved Var.ICGV9114and P seed treatment with Vitavax Power@3g/kg seed, Soil test based fertilizer and Need based plant protection	23	10	24.2	18.6	21.5	9.12	9.95	-16.28

B. Economic parameters

Sl. No.	Variety demonstrated & Technology demonstrated	Farmer's Existing plot				Demonstration plot			
		Gross Cost (Rs/ha)	Gross return (Rs/ha	Net Return (Rs/ha)	B:C ratio	Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio
1	Improved Var.ICGV9114and P seed treatment with Vitavax Power@3g/kg seed, Soil test based fertilizer and Need based plant protection	33500	79200	45700	2.4	40494	109435	68941	2.7

C. Socio-economic impact parameters

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/household)
1	Groundnut var. ICGV-9114	800 aprox.	300 aprox	5090/q	150aprox.	270aprox.	Children's education, marriage, livelihood development	15

D. Oilseed Farmers' perception of the intervention demonstrated

Sl. No.	Technologies demonstrated	Farmers' Perception parameters					
		Suitability to their farming system	Likings (Preference)	Affordability	Any negative effect	Is Technology acceptable to all in the group/village	Suggestions, for change/improvement, if any
1.	Improved Var.ICGV9114and P seed treatment with Vitavax Power@3g/kg seed, Soil test based fertilizer and Need based plant protection	Y	Y	Y	NO	Y	

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Groundnut- Good seed quality, tolerance to diseases	Good performance given by varieties with less incidence of diseases and pests	Pre- sowing seed treatment reduces the problem of color rot where as local variety affected more.	The farmers were happy by variety ICGV91114 with more yield comparison to local Variety and Farmers given good response regarding seed treatment, he told that before they not used any specific seed treatment as result crop more affected by collar rot but due to seed treatment it is reduced.

F. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1	Group meeting	30.12.2020, KVK Malkangiri	25
2	Group meeting (Sowing)	04.01.2021 at Thakurpalli	20
3	Field visit (Seed germi.)	14.01.2021 at Thakurpalli	12
4	Field visit	03.02.2021 at Thakurpalli	17
5	Field visit	02.03.20121 at Thakurpalli	19

Sequential good quality photographs (as per crop stages i.e. growth & development)



G. Farmers' training photographs

H. Quality Action Photographs of field visits/field days and technology demonstrated.

J. Details of budget utilization

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
	i) Critical input	118800	109790	0.00
	ii) TA/DA/POL etc. for monitoring		2260	0.00
	iii) Extension Activities (Field day)		6750	0.00
	iv)Publication of literature		Nil	0.00
	Total		1,18,800/-	0

3.3 Achievements on Training (Including the sponsored and FLD training programmes):

A) Farmers and farm women (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management													
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management													
Seed production													
Nursery management													
Integrated Crop Management													
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)													
Training and Pruning													
b) Fruits													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others, if any													
III. Soil Health and Fertility Management													
Soil fertility management													
Soil and Water Conservation													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others, if any Goat farming													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													
Value addition													
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													
Others, if any													
VI.Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others, if any													
VII. Plant Protection													
Integrated Pest Management													
Integrated Disease Management													
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
VIII. Fisheries													
Integrated fish farming													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease	3	6	1	7	10	3	13	60	0	60	76	4	80
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Others, if any													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
XII. Others (Pl. Specify)													
TOTAL	3	6	1	7	10	3	13	60	0	60	76	4	80

B) Rural Youth (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production	1	0	0	0	0	0	0	13	17	30	13	17	30
Bee-keeping													
Integrated farming													
Seed production													
Production of organic inputs													
Integrated Farming													
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition													
Production of quality animal products													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Dairying													
Sheep and goat rearing													
Quail farming	1	1	0	1	4	0	4	15	0	15	20	0	20
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries	1	6	1	7	10	3	13	0	0	0	16	4	20
Enterprise development													
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
TOTAL	3	7	1	8	14	3	17	28	17	45	49	21	70

C) Extension Personnel (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops	1	1	0	1	9	4	13	5	1	6	15	5	20
Value addition													
Integrated Pest Management	1	4	0	4	4	0	4	2	0	2	10	0	10
Integrated Nutrient management													
Rejuvenation of old orchards	1	6	3	9	10	0	10	5	1	6	21	4	25
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers	1	4	0	4	5	3	8	3	0	3	12	3	15
Capacity building for ICT application													
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
TOTAL	4	15	3	18	28	7	35	15	2	17	58	12	70

D) Farmers and farm women (off campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management													
Resource Conservation Technologies													
Cropping Systems	1	0	0	0	19	11	30	0	0	0	19	11	30
Crop Diversification													
Integrated Farming													
Water management	2	0	0	0	1	0	1	30	29	59	31	29	60
Seed production													
Nursery management													
Integrated Crop Management													
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)													
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment	1	0	0	0	0	0	0	16	14	30	16	14	30
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)													
Training and Pruning													
b) Fruits													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others, if any													
III. Soil Health and Fertility Management													
Soil fertility management	2	0	0	0	40	2	42	18	0	18	58	2	60
Soil and Water Conservation													
Integrated Nutrient Management	4	26	4	30	8	12	20	36	24	60	70	40	110
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Soil and Water Testing													
Others, if any													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others, if any Goat farming													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques	1	0	0	0	0	0	0	27	3	30	27	3	30
Enterprise development	1	0	0	0	4	0	4	23	3	26	27	3	30
Value addition													
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													
Others, if any													
VI.Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Small scale processing and value addition													
Post Harvest Technology	1	0	0	0	0	0	0	17	8	25	17	8	25
Others, if any													
VII. Plant Protection													
Integrated Pest Management	6	0	0	0	11	8	19	105	46	151	116	54	170
Integrated Disease Management	4	1	0	1	36	15	51	57	11	68	94	26	120
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease	2	0	0	0	0	0	0	60	0	60	60	0	60
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others, if any													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
XII. Others (Pl. Specify)													
TOTAL	25	27	4	31	119	48	167	389	138	527	535	190	725

E) RURAL YOUTH (Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production													
Bee-keeping													
Integrated farming													
Seed production													
Production of organic inputs													
Integrated Farming													
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Para vets													
Para extension workers													
Composite fish culture													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Others, if any													
TOTAL													

F) Extension Personnel (Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
Crop intensification													
TOTAL													

G) Consolidated table (ON and OFF Campus)

i. Farmers & Farm Women

Thematic Area	**No. of Courses**	**No. of Participants**									**Grand Total**		
		Other			**SC**			**ST**					
		M	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**
I. Crop Production													
Weed Management													
Resource Conservation Technologies													
Cropping Systems	1	0	0	0	19	11	30	0	0	0	19	11	30
Crop Diversification													
Integrated Farming													
Water management	2	0	0	0	1	0	1	30	29	59	31	29	60
Seed production													
Nursery management													
Integrated Crop Management													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)													
TOTAL	3	0	0	0	20	11	31	30	29	59	50	40	90
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment	1	0	0	0	0	0	0	16	14	30	16	14	30
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising													
Exotic vegetables like Broccoli													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)													
TOTAL	1	0	0	0	0	0	0	16	14	30	16	14	30
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Others, if any(INM)													
TOTAL													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
TOTAL													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others, if any													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
TOTAL													
III. Soil Health and Fertility Management													
Soil fertility management	2	0	0	0	40	2	42	18	0	18	58	2	60
Soil and Water Conservation													
Integrated Nutrient Management	4	26	4	30	8	12	20	36	24	60	70	40	110
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
TOTAL	6	26	4	30	48	14	62	54	24	78	128	42	170
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others, if any (Goat farming)													
TOTAL													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Storage loss minimization techniques	1	0	0	0	0	0	0	27	3	30	27	3	30
Enterprise development	1	0	0	0	4	0	4	23	3	26	27	3	30
Value addition													
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													
Others, if any													
TOTAL	2	0	0	0	4	0	4	50	6	56	54	6	60
VI. Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology	1	0	0	0	0	0	0	17	8	25	17	8	25
Others, if any													
TOTAL	1	0	0	0	0	0	0	17	8	25	17	8	25
VII. Plant Protection													
Integrated Pest Management	6	0	0	0	11	8	19	105	46	151	116	54	170
Integrated Disease Management	4	1	0	1	36	15	51	57	11	68	94	26	120
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
TOTAL	10	1	0	1	47	23	70	162	57	219	210	80	290
VIII. Fisheries													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease	2	0	0	0	0	0	0	60	0	60	60	0	60
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
TOTAL	2	0	0	0	0	0	0	60	0	60	60	0	60
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Others, if any													
TOTAL													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others, if any													
TOTAL													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
TOTAL													
XII. Others (Pl. specify)													
TOTAL	26	33	5	38	129	51	180	389	138	527	551	194	745

ii. RURAL YOUTH (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production	1	0	0	0	0	0	0	13	17	30	13	17	30
Bee-keeping													
Integrated farming													
Seed production	1	1	0	1	4	0	4	15	0	15	20	0	20
Production of organic inputs													
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production	1	1	0	1	4	0	4	15	0	15	20	0	20

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Ornamental fisheries													
Para vets													
Para extension workers													
Composite fish culture	1	6	1	7	10	3	13	0	0	0	16	4	20
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Enterprise development													
Others if any (ICT application in agriculture)													
TOTAL	4	8	1	9	18	3	21	43	17	60	69	21	90

iii. Extension Personnel (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops	1	1	0	1	9	4	13	5	1	6	15	5	20
Integrated Pest Management													
Integrated Nutrient management	1	4	0	4	4	0	4	2	0	2	10	0	10
Rejuvenation of old orchards	1	6	3	9	10	0	10	5	1	6	21	4	25
Value addition													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers	1	4	0	4	5	3	8	3	0	3	12	3	15
Capacity building for ICT application													
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
Crop intensification													
Others if any													
TOTAL	4	15	3	18	28	7	35	15	2	17	58	12	70

Please furnish the details of training programmes as Annexure in the proforma given below

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
Agronomy	F/FW	Blast disease management in paddy	01	Off	14	16	30	14	16	30
	F/FW	Stem borer management in paddy	01	Off	22	8	30	22	8	30
	F/FW	INM in transplanted paddy	01	Off	23	7	30	23	7	30
	F/FW	BPH management in paddy	01	Off	18	12	30	18	12	30
	F/FW	Post harvest management in paddy	01	Off	17	8	25	17	8	25
	F/FW	YMV management in green gram	01	Off	28	2	30	28	2	30
	F/FW	Use of micro- irrigation system in vegetables (IS)	01	Off	21	4	25	21	4	25
	F/FW	Oyster mushroom cultivation	01	Off	27	3	30	27	3	30
	F/FW	Tikka disease management in groundnut	01	Off	23	7	30	23	7	30
Horticulture	F/FW	Bio fertilizer application on vegetable crops	01	Off	26	4	30	26	4	30
	F/FW	Management of DBM in Cabbage & Cauliflower	01	Off	30	0	30	30	0	30
	F/FW	Fruit and shoot borer management in Brinjal	01	Off	28	2	30	28	2	30
	F/FW	Cultivation of high value crop like capsicum in protected condition	01	Off	16	14	30	16	14	30
Plant Science (Seed Science)	F/FW	CLCC for N fertilizer management in paddy	01	Off	8	12	8	12	8	12
	F/FW	INM in Finger millet	01	Off	13	17	13	17	13	17
	F/FW	YMV management in okra	01	Off	3	17	3	17	3	17
	F/FW	Wilt management in brinjal and tomato	01	Off	26	4	26	4	26	4
	F/FW	Pest management in sesame	01	Off	22	8	22	8	22	8
	F/FW	Gypsum and S application in groundnut	01	Off	28	2	28	2	28	2
	F/FW	Importance of bio-fertilizers in pulses crop	01	Off	30	0	30	0	30	0
	F/FW	Storage methods for food grains to reduce PH losses	01	Off	27	3	27	3	27	3
	F/FW	In-service productivity enhancement in groundnut	01	Off	15	5	15	5	15	5
	F/FW	RY-Scientific method of green gram seed production	01	Off	13	17	13	17	13	17

	F/FW	YMV management in okra	01	Off	20	10	20	10	20	10
	F/FW	Management of downy mildew in water melon	01	Off	17	13	17	13	17	13
	F/FW	Crop diversification in upland situation pulses and oil seeds	01	Off	19	11	19	11	19	11
	F/FW	Quality seed production of groundnut	01	Off	13	17	13	17	13	17
Fisheries	F/FW	Nutrient Management in Composite fish culture	01	Off	30	0	30	30	0	30
	F/FW	Composite fish culture & fish disease	01	Off	30	0	30	30	0	30

H) Vocational training programmes for Rural Youth

Details of training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Duration (days)	No. of Participants			Self-employed after training			Number of persons employed else where
				Male	Female	Total	Type of units	Number of units	Number of persons employed	
Poultry		Back yard Poultry rearing for income generation (RY)	02	20	0	20	Backyard	02	04	02
Seed		Scientific method of green gram seed production	01	13	17	30	-	02	03	01
Fisheries		Water Quality Management in Freshwater Aquaculture	01	16	4	20	Pond s	02	01	05

Sponsored Training Programmes

Sl. No	Title	Thematic area	Month	Duration (days)	Client	No. of courses	No. of Participants									Sponsoring Agency
					PF/RY/ EF		Male			Female			Total			
							Others	SC	ST	Others	SC	ST	Others	SC	ST	Total
1	Farmer scientist interaction	INM, IPM	Decem ber	04	all	02	02	23	13	0	0	12	02	23	25	50	ATMA
2	Input Dealers training	IPM and New generation pesticides	Jan-March	12	Dealers	24	06	31	1	0	02	0	06	33	01	40	NIPHM, Hyderabad

3.4. A. Extension Activities (including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers				Extension Officials			Total		
		M	F	T	SC/ ST (% of total)	Male	Female	Total	Male	Female	Total
Field Day	05	109	33	142	70	07	04	11	116	37	153
Kisan Mela	01	327	152	479	64	19	11	29	346	171	517
Kisan Ghosthi											
Exhibition	2	350	172	522	60	07	9	16	357	181	538
Film Show	11	139	45	184	78	22	0	22	161	45	206
Method Demonstrations	3	1	4	5	55	4	0	4	0	0	0
Farmers Seminar	0	12	3	15	45	11	0	11	0	0	0
Workshop	0	309	75	384	55	8	5	13	328	85	413
Group meetings	17	509	75	584	79	4	5	9	524	85	609
Lectures delivered as resource persons	12	69	35	104	56	5	0	5	86	40	126

Advisory Services	12	369	115	484	55	12	0	12	380	120	500
Scientific visit to farmers field	33	709	125	834	65	0	0	0	720	130	850
Farmers visit to KVK	160	179	55	234	55	31	8	39	212	68	280
Diagnostic visits	11	45	5	50	45	0	0	0	45	5	50
Exposure visits	2	374	122	496	70	11		11	385	122	507
Ex-trainees Sammelan	1	75	15	90	80	4	0	4	79	15	94
Soil health Camp	0	0	0	0	0	0	0	0	0	0	0
Animal Health Camp	1	175	84	259	10	4	5	9	179	89	268
Agri mobile clinic	1	20	0	20	70	3	0	3	23	0	23
Soil test campaigns	1	8	28	36	55	0	0	0	8	28	36
Farm Science Club Conveners meet	0	0	0	0	0	0	0	0	0	0	0
Self Help Group Conveners meetings	5	350	211	561	72	22	7	29	372	218	590
Mahila Mandals Conveners meetings	0	0	0	0	0	0	0	0	0	0	0
Celebration of important days (specify)	13	120	200	320	60			0	120	200	320
Swatchta Hi Sewa	11	45	5	50	45	0	0	0	45	5	50
Mahila Kisan Divas	2	374	122	496	70	11		11	385	122	507
Any Other (Specify)	1	75	15	90	80	4	0	4	79	15	94
Total											

B. Other Extension activities

Nature of Extension Activity	No. of activities
Newspaper coverage	10
Radio talks	0
TV talks	0
Popular articles	5
Extension Literature	02
Other, if any	04

3.5 a. Production and supply of Technological products

Village seed

Crop	Variety	Quantity of seed (q)	Value (Rs)	No. of farmers involved in village seed production	Number of farmers to whom seed provided			
					SC	ST	Other	Total
Arhar	PRG -176	4.0		20	07	03	0	10
Total		4.0		20	07	03	0	10

KVK farm

Crop	Variety	Quantity of seed (q)	Value (Rs)	Number of farmers to whom seed provided			
				SC	ST	Other	Total
Paddy	MTU1010	46.0	140000/-	10	50	7	67
Green gram	IPM02-14	2.20	23608/-	12	27	01	40
Grand Total		48.20	163680/-	22	77	08	107

Production of planting materials by the KVKs

Crop	Variety	No. of planting materials	Value (Rs)	Number of farmers to whom planting material provided			
				SC	ST	Other	Total
Vegetable seedlings							
Cauliflower							
Cabbage							
Tomato	Laxmi	1000	2500	2	10	0	12
Brinjal	Blue star	1000	2500	5	8	2	15
Chilli	Pusa jwala	1600	4000	10	11	0	22
Onion							
Fruits							
Mango							
Guava							
Lime							
Papaya	Pusa Nanha	4444	111100	78	110	8	196
Banana							
Moringa	PKM-1, Dwarf Moringa	3180	47700	120	50	10	180
Ornamental plants							
Turmeric							
Fodder crop saplings							
Forest Species							
Total		11224	167800	215	189	20	425

Production of Bio- product by KVKs

Bio - product	Name of the Bio - product	Quantity (no.)	Quantity (Kg.)	Value (Rs.)	Number of farmers	Quantity (no.)	Quantity (Kg.)	Value (Rs.)	Number of farmers	Quantity (no.)	Quantity (Kg.)	Value (Rs.)	Number of farmers	Quantity (no.)	Quantity (Kg.)	Value (Rs.)	Number of farmers
Bio-fertilisers		**A&N Islands**				**Odisha**				**West bengal**				**Total**			
Non Symbiotic Azotobacter																	
Vermi compost	*Eudrilus eugeniae*						1110.0	16,650/-							1110.0	16,650/-	40
Azolla																	
Earth worms																	
Compost																	
Worms																	
Blue green algae																	
NADEP																	
Azatobactor																	
Azospirillum																	
PSB																	
Rhizobium																	
Azolla culture																	
Total																	
Bio-pestisides																	
Neem extract																	
Tobacco extract																	
Trichoderma viride	**Trichoderma viride**						100 cards	10000							100 cards	10000	30
Panchagavya																	
Trichoderma																	

Bio - product	Name of the Bio - product	Quantity (no.)	Quantity (Kg.)	Value (Rs.)	Number of farmers	Quantity (no.)	Quantity (Kg.)	Value (Rs.)	Number of farmers	Quantity (no.)	Quantity (Kg.)	Value (Rs.)	Number of farmers	Quantity (no.)	Quantity (Kg.)	Value (Rs.)	Number of farmers
Bio-fertilisers		**A&N Islands**				**Odisha**				**West bengal**				**Total**			
Total																	
Worms																	
Eudriluseuniae																	
Total																	
Earth worm																	
Eiseniafoetida																	
Earth worm																	
Total																	
Bio-fungicides																	
Trichodermaviridae																	
Total																	
others																	
Vermiculture																	
Mushroom-spawn																	
Cuelure																	
Mineral mixture																	
Cow dung(dry)																	
Cow dung(wet)																	
Total																	
Grand Total																26650.00	40

Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers benefitted			
				SC	ST	Other	Total
Dairy animals							
Cows							
Buffaloes							
Calves							
Others (Pl. specify)							
Small ruminants							
Sheep							
Goat							
Other, please specify							
Poultry							
Broilers							
Layers							
Duals (broiler and layer)	Vanaraja and Kadaknatha	2000	151,000/-				200
Japanese Quail							
Turkey							
Emu							
Ducks							
Others (Pl. specify)							
Piggery							
Piglet							
Hog							
Others (Pl. specify)							
Fisheries							
Indian carp							
Exotic carp							
Mixed carp							
Fish fingerlings							
Spawn							
Others (Pl. specify)							
Grand Total		2000	151,000/-				200

3.5. b. Seed Hub Programme - *"Creation of Seed Hubs for Increasing Indigenous Production of Pulses in India"-- NA*

i) Name of Seed Hub Centre:

Name of Nodal Officer :	
Address :	
e-mail :	
Phone No. : Mobile :	

ii) Details of Quality Seed Production

Season	Crop	Variety	Production (q)			
			Target	Area sown (ha)	Production	Category of Seed (F/S, C/S)
Summer/Spring 2021						

iii) Financial Progress

Fund received (2016-17, 2017-18 2018-19 and 2019-20)	Expenditure (Rs. in lakhs)		Unspent balance (Rs. in lakhs)	Remarks
	Infrastructure	Revolving fund		
2016-17				
2017-18				
2018-19				
2019-20				

iv) Infrastructure Development

Item	Progress
Seed processing unit	(Seed storage structure) Completed
Seed storage structure	

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

Item	Title	Author's name	Number	Circulation
Research paper				
Seminar/conference/ symposia papers				
Books			600	2020-21
Bulletins	Sahabhagi Dhan	N. Behera, SR Dash, AK Rai, TK Behera	500	2020-21
News letter				
Popular Articles				
Book Chapter				
Extension Pamphlets/ literature	Groundnut Cultivation	N. Behera, SR Dash, AK Rai, TK Behera		
Technical reports				
Electronic Publication (CD/DVD etc)				
TOTAL			1100	

N.B.: Please enclose a copy of each. In case of literature prepared in local language please indicate the title in English

(B) Details of HRD programmes undergone by KVK personnel:

Sl. No.	Name of programme	Name of course	Name of KVK personnel and designation	Date and Duration	Organized by
1.	Nil				
2.					

3.7. Success stories/Case studies, if any (two or three pages write-up on 1-2 best case(s) with suitable action photographs)

1.

Name of farmer	**Santi Dey**
Address	MV-9
Contact details (Phone, mobile, email Id)	7894932367
Landholding (in ha.)	
Name and description of the farm/ enterprise	Freshwater fish farming and Chinese circular hatchery system
Economic impact	Annual income in 30 lakh and generation of 180 man days
Social impact	By viewing his success other young entrepreneurs and entering in to pisciculture
Environmental impact	Optimum utilization of water bodies and recycling of waste under IFS system
Horizontal/ Vertical spread	22 nos of farmers adopted scientific aquaculutre

2.

Name of farmer	**Mr. Dasharathi Behera**
Address	1. Village: Talasahi, P.O: Malkangiri, Block: Malkangiri, Dist.: Malkangiri, Pin-764045
Contact details (Phone, mobile, email Id)	Ph No-9438789050
Landholding (in ha.)	Total 9 Acre (Cultivated land: 3Acre, Orchard area: 3Acre, Pond area: 2 Acre)
Name and description of the farm/ enterprise	Cultivated land: 3Acre, Orchard area: 3Acre, Pond area: 2 Acre
Economic impact	**Crops** / **Area (Acre)** / **Yield** / **Net return (Rs)** Paddy (Kharif) / 2.0 / 35qtl / 25,750/- Stunted yearling production (Kharif & Rabi) / 2.0 / 12qtl 500 kg / 2,35,000/- 1,00,000/- Fingerling production(Kharif) /	
	Fish production (Kharif & Rabi) / 2.0 / 40 qtl. / 2,90,000/- **Total** / **6,50,750/-**
Social impact	Recently he purchased 4 acre land and one four wheeler. and also able to educate his children in a better way.
Environmental impact	Recycling and reuse of his farm west for restoration of soil status & cost reduction
Horizontal / Vertical spread	20 Farmers of nearby village had adopted Pisciculture, Stunted yearling production & Fingerling production

Sl. No.	Brief details of the tool/ methodology followed	Purpose for which the tool was followed
1	PRA tools	Trend analysis, Problems & opportunity identification, AES analysis
2	Root Cause Analysis	Problem identification & Prioritization
3	Stake holder Meet & Discussion	Developing linkage strategy and SWOT analysis for suitable Agri-enterprises
4	Group meeting with farmers and entrepreneurs	Training need assessment and specific skill up gradation needed

3.8. Give details of innovative methodology or innovative technology of Transfer of Technology developed and used during the year

Sl. No.	Name/ Title of the technology	Name/ Details of the Innovator(s)	Brief details of the Innovative Technology
1	Low cost Goat shed	Sri Bhima Madkami	Construction of goat shed over bamboo poles
2	Artificial pollination in Pointed Gourd	Sri Ajaya Mandal	Collection of pollens and spraying the solution over female flowers, enhances pollination for fruit sheeting

3.9. a. Give details of indigenous technology practiced by the farmers in the KVK operational area which can be considered for technology development (in detail with suitable photographs)

Sl. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK
1	Goat Shed	Construction of goat shed over bamboo poles	Reduce disease Transmission, Keep the goats free from damp, humid & Moist Condition, which makes easy to maintain the shed clean. Prevent the attack from dogs & Snakes.

b. Give details of organic farming practiced by the farmer

Sl. No.	Crop / Enterprise	Area (ha)/ No. covered	Production	No. of farmers involved	Market available (Y/N)
1	Tomato and water melon	20.0 ha	2000.0 q	28	Yes

3.10. Indicate the specific training need analysis tools/methodology followed by KVKs

- Group Discussion with farmers and extension personnel's
- Application PRA tools and
- Root cause analysis ,
- Problem identification and prioritization .

3.11. a. Details of equipment available in Soil and Water Testing Laboratory

Sl. No	Name of the Equipment	Qty.
1	Automatic Nitrogen Analyzer	1
2	Double Beam UV-VIS Digital Spectro Photometer	1
3	Flame Photometer	1
4	Electronic Precision Balance	1
5	Refrigerated Centrifuge	1
6	Hot Air Oven	1
7	Water Quality Analyser	1
8	Bouyoucus Hydrometer	1
9	Rotary Shaker (Platform Type)	1
10	Distilled water Unit	1

3.11.b. Details of samples analyzed so far :

Number of soil samples analyzed			No. of Farmers	No. of Villages	Amount realized (in Rs.)
Through mini soil testing kit/labs	Through soil testing laboratory	Total			
0	182	226	1800	32	0

3.11.c. Details on World Soil Day

Sl. No.	Activity	No. of Participants	No. of VIPs	Name (s) of VIP(s)	Number of Soil Health Cards distributed	No. of farmers benefitted
1 .Soil test campaign and soil health card distribution 2.Awareness programme on Soil Health Management	Exhibition and farmers awareness programme	80	Collector cum DM ADM , Malkangiri (CDAO , PD ATMA Malkangiri)	Sri Dasarathi Padiami Sri Y Bijaya , DM	80	1 .Soil test campaign and soil health card distribution 2.Awareness programme on Soil Health Management

3.12. Activities of rain water harvesting structure and micro irrigation system

No of training programme	No of demonstrations	No of plant material produced	Visit by the farmers	Visit by the officials
3	2	2000	60	20

3.13. Technology week celebration

Type of activities	No. of activities	Number of participants	Related crop/livestock technology
Group meeting, Planting material and seed distribution Film show Awareness progrmme, Distribution of minikits and leaflets, Awareness programmes in schools ,	12	260	Organic farming , Water management, Backyard poultry, Forest Management INM, IPM, in major crops. Swachhata activities

3.14. RAWE/ FET programme - is KVK involved? (Y/N) - N

No of student trained	No of days stayed

ARS trainees trained	No of days stayed

3.15. List of VIP visitors (Minister/ MP/MLA/DM/VC/Zila Sabhadipati/Other Head of Organization/Foreigners)

Date	Name of the person	Purpose of visit
5.12.20	Sj Manas Madkami, President, SC &ST Development Board	PM live Telecast programme
5.12.20	Sri Dasaratha Padiami	Soil health day

4. IMPACT

4.1. Impact of KVK activities (Not to be restricted for reporting period).

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)
Cultivation of sweet corn Var. Sugar 75	180	72	40,000/ ha	1,30,000/ha
INM in Ground nut Var. Devi	290	52	28,000/ha	45,000/ha
Hybrid Tomato Variety Arka rakshyak & Swarna Sampad	650	45	50,000/ha	90,000/ha
Back yard Poultry (VANARAJA)	600	35	1800/ 20 nos Birds	5,000/ 20 nos Birds
Cultivation of Sesamum Var. GT-10	620	30	4,500/ha	12,000/ha
INM in cabbage with micronutrient application Boron	480	54	25,000/ha	48,000/ha
Cultivation of Green gram Var. IPM-02-14 with Bio-fertilizer application	750	38	15,000/ha	20,000/ha
Cultivation of high yielding Rice Var. Pooja Swarna MTU 10010/1001 & Pratikshya with INM and IPM practices	1420	65	12000/ha	20,000/ha
Composite pisciculture with feed management	320	35	40000/ha	70,000/ha
Integrated weed management in transplanted rice	350	32	10000/ha	20,000/ha

NB: Should be based on actual study, questionnaire/group discussion etc. with ex-participants

4.2. Cases of large scale adoption

(Please furnish detailed information for each case)

Horizontal spread of technologies	
Technology	Horizontal spread
Cultivation of sweet corn Var. Sugar 75	60 ha
INM in Ground nut Var. Devi	8000 ha
Back yard Poultry (Banaraj & Kadaknath)	200 nos tribal families
INM in cabbage with micronutrient application Boron	500 ha
Composite pisciculture with feed management	80 ha
INM in Transplanted paddy	25000 ha
Cultivation Of HYV paddy Var Pratikhya	1600 ha
Cultivation of sweet corn Var. Sugar 75	60 ha
INM in Ground nut Var. Devi	8000 ha

Give information in the same format as in case studies

4.2. Details of impact analysis of KVK activities carried out during the reporting period

Sl. No.	Brief details of technology	Impact of the technology in subjective terms	Impact of the technology in objective terms
Cultivation of sweet corn Var. Sugar 75	High adoption (45%) with profitably. High market demand	Farmers are getting 70% higher income	Cultivation of sweet corn Var. Sugar 75
INM in Ground nut Var. Devi	Area spread around 8500 ha & Farmers are using Devi Variety with Sulphur	Wide spread dissemination and marketing channel established	INM in Ground nut Var. Devi
Back yard Poultry (VANARAJA) and Kadaknatah	Less motility of chicks & high growth rate of breed Vanaraja, Dual purpose bird suitable for hilly area	Farmers are getting 62% higher income than the local breed	Back yard Poultry (VANARAJA) and Kadaknatha accepted by the tribal farmers as a livelihood support
INM in cabbage with micronutrient application Boron	Good quality & Higher yield (30%) by using INM Practices	Due to high yield and better quality of head farmers are getting more profit.	INM in cabbage with micronutrient application Boron
Cultivation Of HYV paddy Var Pratikhya	High yielding , local demand ,	Due to high yielding parameter (Avg 48q/ha) farmers are adopting the variety	Area increased upto 1600 ha
BPH resistance rice var Hasantha	Hasantha tolerant to BPH incidence	BPH resistance variety and average yield 45.0q /ha	Area spread 45 ha

4.4. Details of innovations recorded by the KVK

Thematic area	Vegetable cultivation
Name of the Innovation	Artificial pollination In Pointed Gourd
Details of Innovator	Sri Ajay Mondal MV-8 Malkangiri, 9438022045
Back ground of innovation	• Growing of male and female plants together at the ratio of 1 :9 • Suppress growth of female plants due to vigorous vegetative growth causes poor pollination which leads to low yield.
Technology details	Plucking of male flowers, removal of petals, collection of pollens by hammering with a wooden stick in a glass, diluting with water, sieving using a net and pollinating female flowers by putting a drop of solution using a dropper
Practical utility of innovation	He is able to get an yield of 100 qtl/acr which is 2.5 times more through artificial pollination technic in pointed gourd with better fruit setting and weight of the fruit

4.5. Details of entrepreneurship development

Entrepreneurship development	
Name of the enterprise	Musroom Cultivation (Oyster mushroom)
Name & complete address of the entrepreneur	Ritarani Samantray Village- Butiguda , Block-Malkangiri,Dist.Malkangiri, Mobile no-7894114581
Role of KVK with quantitative data support:	She got all the trainings from KVK and started her business & also 20 nos of spawn were provided at initial stage with all technical support.
Timeline of the entrepreneurship development	5 years
Technical Components of the Enterprise	Spawn, Straw chopper, polythene bags, Disinfectant chemicals
Status of entrepreneur before and after the enterprise	Her Monthly average income was Rs.8,400/ from agriculture & after adopting mushroom cultivation her income has been enhanced to Rs 20000/- . Now for her economic upliftment & sustainable livelihood she had mobilised other women & formed one self help groups.
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	Highly benefited through adopting mushroom cultivation and also mobilized other women to develop their socio-economic status through this emterprise.
Horizontal spread of enterprise	75 farmers and farm women are growing mushroom for enhancing their income as well as employment generation.

4.6. Any other initiative taken by the KVK

1	Popularisation BPH and WBPH tolerance rice variety-Hasanta , Protein rice, CR- Dhan 310 and Stress tolerant rice varieties
2	Popularistaion of Nutri- Cereals , Finger millet Var Bhairabi &Arjun
3	Popularisation of scented rice var.-Nua Kalajeera
4	Value addition and post harvest management in forest products
5	Introduction of new of poultry breed chicks i.e. Kadaknath, Rainbow Rooster and White Pekin ducks
6	Area expansion of Sweet corn var. Sugsr-75

5. LINKAGES

5.1. Functional linkage with different organizations

Name of organization	Nature of linkage
ICAR, SAU, ITDA, NABARD, ATMA , CPDO, NRRI, CHES, IIHR, CTCRI, IIWM, DRWA, NAARM, ICAR Institutes , NABARD, KVKs	Functional linkage , Financial linkages and technological support
ITDA , NGOS, Gopabandhu Development Society GDS , Shristhi NGO , Paribartan NGO, Tagoore Society ATMA , DRDA	Functional linkage , Financial linkages, and technological support

5.2. List of special programmes undertaken during 2020-21 by the KVK, which have been financed by ATMA/ Central Govt/ State Govt./NABARD/NHM/NFDB/Other Agencies **(information of previous years should not be provided)**

a) Programmes for infrastructure development

Name of the programme/ scheme	Purpose of programme	Date/ Month of initiation	Funding agency	Amount (Rs.)
ATARI, Kolkata	Building Maintenance	31.03.2021	ATARI	1.00000

(b) Programme for other activities (training, FLD,OFT, Mela, Exhibition etc.)

Name of the programme/ scheme	Purpose of programme	Date/ Month of initiation	Funding agency	Amount (Rs.)
ATMA	Farmer scientist interaction	Dec and Jan 21	ATMA	20000/-
NIPHM	Input dealers training programme for input dealers	Jan 21 to March 21	Sponsored	304,000/-

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

6.1. Performance of demonstration units (other than instructional farm)

Sl. No.	Name of demo Unit	Year of estt.	Area(Sq.mt)	Details of production			Amount (Rs.)		Remarks
				Variety/breed	Produce	Qty.	Cost of inputs	Gross income	
1	Vermicompost unit	2011	50						
2	Poultry unit	2018	20						
3	Colour fish unit	2018	-						
4	Medicinal garden	2017	400						
5	IFS	2012	4000						
6	Mango orchard	2018	1000						
Total									

6.2. Performance of Instructional Farm (Crops)

Sl. No.	Name Of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
					Variety	Type of Produce	Qty.(q)	Cost of inputs	Gross income	
01	Paddy	24 June 2020	19 Nov 2020	2.0 ha	MTU-1010	Foundation seed	46.0	89,714.00/-	149500.00	processing
02	Paddy TL seed			-	Nua Kala jeera	Tl seed			383.00	
03	Mushroom			-		Paddy straw	10 kg		800.00	
04	Vermicompost	-	-	-	-		11.10 q	10,200.00/-	16650.00	
05	Chilli Seedling					Hybrid	1804 nos	2820.00/-	4510.00	
06	Brinjal seedling					Hybrid	1804 nos		4510.00	
07	Papaya				Pusa nanha	Hybrid	4444 nos	45,036.00/-	111100.00	
08	Drumstick				Dwarf Moringa	Hybrid	3180 nos		47700.00	
09	Green gram seed	19 Sep 2020	25 Nov 2020	1.0 ha	IPM-02-14	Certified seed	2.16	12,633.00/-	23608.00	processing
10	Poultry bird				Banraja		25 nos		3750.00	
11	Others								21317.00	

6.3 Performance of Production Units (bio-agents / bio pesticides/ bio fertilizers etc.,)

Sl. No.	Name of the Product	Qty. (Kg)	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
1.	Vermicompost	1110.0	10,200.00	16650.00	For sale Purpose
2	Vermin				Distributed to the farmers
3	Tricho cards		10,000		Distributed to the farmers

6.4 Performance of instructional farm (livestock and fisheries production)

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
1.	Poultry	Vanaraja and Kadaknatha	Chicks	2000	1,51,000.00		For Demonstration purpose
2	Colour fish	Guppy	Ornamental Fish	--			For Demonstration purpose
3	Fish(IMC)	IMC	Fish	1000 fingerlimgs	3150.00/-		Distributed to the farmers

6.5 Utilization of hostel facilities

Accommodation available (No. of beds)

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
-	nil	nil	NOT HANDED OVER TILL DATE, Dilapidated condition. No water and electric supply
Total :			

(For whole of the year)

6.3. Utilization of staff quarters : Not handed over till date

Whether staff quarters has been completed: Yes

No. of staff quarters: 06

Date of completion: 2011-12

Occupancy details:

Months	Q I	QII	Q III	QIV	Q V	QVI
Nil	Dilapidated condition. No water and electric supply					

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
KVK Contingency	SBI , Malkangiri	Malkangiri	11384457399
KVK-RF	SBI , Malkangiri	Malkangiri	30768858587
KVK-Sponsored	SBI , Malkangiri	Malkangiri	32250026843

7.2.Utilization of funds under CFLD on Oilseed *(Rs. In Lakhs)*

Item	Released by ICAR		Expenditure		Unspent balance as on -
	Kharif	Rabi	Kharif	Rabi	
CFLD on Ground nut	Nil	118,800/-		118,800/-	Nil

7.3. Utilization of funds under CFLD on Pulses *(Rs. In Lakhs)*

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2013
	Kharif	Rabi	Kharif	Rabi	
No allotment	-	-	-	-	-

2019.5. Utilization of KVK funds during the year 2020-21 (Not audited)

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	58,00000	58,00000	58,00000
2	Traveling allowances	1,00000	1,00000	1,00000
3	Contingencies			
A		17,00000	16,33800	16,33800
B	HRD	15,000	30,000	0
C	Swachhta Expenditure	15,000	0	0
TOTAL (A)		76,30,000	75,63800	75,33,800
B. Non-Recurring Contingencies				
1	Library	10,000	10,000	10,000
TOTAL (B)		10,000	10,000	10,000
C. REVOLVING FUND		0	0	0
GRAND TOTAL (A+B+C)		76,40,000	75,73800	75,43800

7.5. Status of revolving fund (Rs. in lakh) for last three years

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year (Kind + cash)
2015-16	Rs. 42370	Rs. 9753	Rs. 86736	Rs. 54119
2016-17	Rs. 54119	Rs. 111075	Rs. 125533	Rs. 182489
2017-18	Rs. 182489	Rs. 97069	Rs. 272511	Rs. 187091
2018-19	Rs. 187091	Rs 163026	Rs 263208	Rs. 239143
2019-20	Rs. 239143	Rs 186637	Rs 302711 Refunded to DEE 220,000/-	Rs 2,50,205/-(balance as on 31.3.20) Rs 1,66,705/- credit bill pending with OSSC ltd , produce of 2018-19 paddy seed .
2020-21	Rs.250205	Rs.160063	Rs. 387417	46.0 q Paddy Seed (F) and 2.20 q green gram certified seed is in KVK stock and will be lifted by OSSC ltd.

7.6. (i) Number of SHGs formed by KVKs- 21

(ii) Association of KVKs with SHGs formed by other organizations indicating the area of SHG activities Value addition , Vegetable production and Mushroom production , Backyard poultry

(iii) Details of marketing channels created for the SHGs – Village level association of vegetable growers and linkage with traders

7.7. Joint activity carried out with line departments and ATMA

Name of activity	Number of activity	Season	With line department	With ATMA	With both
World soil Health day	01	Rabi20	Dept of Agril, Dept of Horticulture, Dept of Soil Conservation , Dept of Animal Husbandry , Dept Fishery	ATMA	Both
Millet mission	4	Kharif	do	ATMA	Both
RE linkage meeting	6	Kharif and Rabi	do	ATMA	Both
Animal vaccination camp	1	Kharif	Animal Husbandry ,	-	-
Capacity building prog for para extension workers	6	Rabi	Dept of Agril, dept of horticulture, Dept of soil Conservation , Dept of Animal Husbandry , Dept Fishery	ATMA	Both
Verification and certification of planting materials	2	Rabi	Dept of Horticulture,		

8. Other information

8.1. Prevalent diseases in Crops

Name of the disease	Crop	Date of outbreak	Area affected (in ha)	% Commodity loss	Preventive measures taken for area (in ha)
Blast, Neck Blast and BLB	Rice	Sept	35000	45	12000
YVMV	Green Gram , Okra	Feb	3500	60	500
Collar rot , Rust and Tikka in G Nut	G Nut	Feb	12000	55	120
FAW in maize	Maize and Sweet corn	Jan	6500	70	250
Wilting & Fruit Borer	Tomato & Brinjal	Oct.	1200	40-60	100
Powdery mildew	Watermelon	Feb	200	28	10. 0
Downy Mildew	Pointed Gourd	Oct-Nov	420	40	80

8.2. Prevalent diseases in Livestock/Fishery

Name of the disease	Species affected	Date of outbreak	Number of death/ Morbidity rate (%)	Number of animals vaccinated	Preventive measures taken in pond (in ha)
FMD	Cattle	August	30	14300	-
PPR	Sheep and Goat	Sept	20	7713	
EUS	Fish	Nov	40	-	
Dropsy	Fish	Aug	20	-	

9.1. Nehru Yuva Kendra (NYK) Training-- NA

Title of the training programme	Period		No. of the participant		Amount of Fund Received (Rs)
	From	To	M	F	

9.2. *mKisan* Portal (National Farmers' Portal/ SMS Portal)

Type of message	No. of messages	No. of farmers covered
Crop	25	10000
Livestock	2	2000
Fishery	-	-
Weather	10	2000
Marketing	2	1000
Awareness	4	15000
Training information	-	-
Other	8	60000
Total	38	36000

9.3. *KVK* Portal and Mobile App

Sl. No.	Particulars	Description
1.	No. of visitors visited the portal	*250*
2.	No. of farmers registered in the portal	*20600*
3.	Mobile Apps developed by KVK	
4.	Name of the App	
5.	Language of the App	
6.	Meant for crop/ livestock/ fishery/ others	
7.	No. of times downloaded	

9.4. a. Observation of Swachh Bharat Programme

Date/ Duration of Observation	Activities undertaken
2.10.2020	• Creating awareness for Washing hands and cleaning the environment and house hold • Cleaning and beautification of surrounding areas Swachhta Awareness at local level
12.10.2020	• Cleaning of streets, drains and back alleys through awareness drives. • Door-to-door meetings to drive behavior with respect to sanitation behaviors. Village or School-level rallies to generate awareness about sanitation

b. Details of Swachhta activities with expenditure

Activities	**Number**	**Expenditure (in Rs.)**
1. Digitization of office records/ e-office	1	
2. Basic maintenance	1	1000
3. Sanitation and SBM	2	-
4. Cleaning and beautification of surrounding areas	4	2000
5. Vermicomposting/ Composting of biodegradable waste management & other activities on generate of wealth for waste	5	3000
6. Used water for agriculture/ horticulture application	-	
7. Swachhta Awareness at local level	5	1000
8. Swachhta Workshops	-	
9. Swachhta Pledge	4	-
10. Display and Banner	4	1000
11. Foster healthy competition	2	-
12. Involvement of print and electronic media	2	-
13. Involving the farmers, farm women and village youth in the adopted villages (no of adopted village)	5	3000
14. No of Staff members involved in the activities		
15. No of VIP/VVIPs involved in the activities	3	3000
16. Any other specific activity (in details)		
Total	33	15000

9.5. Observation of National Science day

Date of Observation	Activities undertaken
NA	-

9.6. Programme with Seema Suraksha Bal/ BSF

Title of Programme	Date	No. of participants
Planting Materials distribution	15.11.2020	5

9.7. Agriculture Knowledge in rural school

Name and address of school	Date of visit to school	Areas covered	Teaching aids used
EMS School, Malkangiri	15.10.2020 to 20.10.2020	Vegetable Cultivation	Leaflets, posters and live materials

Give good quality 1-2 photograph(s)

9.8. Details of '*Pre-Rabi Campaign'* Programme

Date of programme	No. of Union Ministers attended the programme	No. of Hon'ble MPs (Loksabha/ Rajyasabha) participated	No. of State Govt. Ministers	Participants (No.)							Coverage by Doordarshan (Yes/No)	Coverage by other channels (Number)
				MLAs Attended the programme	Chairman ZilaPanchayat	Distt. Collector/ DM	Bank Officials	Farmers	Govt. Officials, PRI members etc.	Total		
23.11.2020	0	0	0	0	0	0	0	75	10	85	Y	1

9.9. Details of Swachhta Hi Sewa programme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	Awareness activity at village level and school level	2	120	1	Line dept officials & KVK Staff
2	Organizing waste collection drives in households and common or shared spaces	1	40	0	Line dept officials & KVK Staff
3	Conducting door-to-door meetings to drive behaviour with respect to sanitation behaviours	1	40	0	Line dept officials & KVK Staff

9.10. Details of Mahila Kisan Divas programme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	Awareness for gender mainstream Farm Woman	2	70	2	K K Diwedi

9.11. No. of Progressive/ Innovative/ Lead farmer identified (category wise)

Sl. No.	Name of Farmer	Address of the farmer with contact no.	Innovation/ Leading in enterprise
1	Sri Kartika Mandal	M.V-8, P.O. Tamasa, Malkangiri, Ph. No. 9438022045	Rotational fish cultivation in fish pond and rice field
2	Sri Santi Dey	MV-9, P.O. Goudagoda, Malkangiri	Artificial hatching fish fingerling using a cycle tube
3	Sri Ramprasad Sarkar	MPV-1, P.O. Tamasa, Malkangiri	Rice-cum-fish farming

9.12. Revenue generation

Sl.No.	Name of Head	Income(Rs.)	Sponsoring agency
1.	Certificate course on Pesticide dealers training	3,04000	Self finance

9.13. Resource Generation:

Sl. No.	Name of the programme	Purpose of the programme	Sources of fund	Amount (Rs. lakhs)	Infrastructure created
-	NA	-	-	-	-

9.14. Performance of Automatic Weather Station in KVK

Date of establishment	Source of funding i.e. IMD/ICAR/Others (pl. specify)	Present status of functioning
NA	-	-

9.15. Contingent crop planning

Name of the state	Name of district/KVK	Thematic area	Number of programmes organized	Number of Farmers contacted	A brief about contingent plan executed by the KVK
Odisha	Malkangiri	IPM and Crop Management and drought mitigation	3	400	Midseason Drought, Heavy rainfall in Cropping season & Incidence of Disease and Pest (Like Stem Borer, BPH & Blast) Unseasonal rainfall and mitigation strategy

10. Report on Cereal Systems Initiative for South Asia (CSISA) : NA

a) Year:
b) Introduction / General Information:

	Title	Objective	Treatment details	Date of sowing	Replication	Result with photographs
Experiment 1						
Experiment 2						
Experiment 3						
…						
..						
Others (If any)						

11. Details of TSP

a. Achievements of physical output under TSP during 2020-21

Programmes	**Physical achievements**
Asset creation (Number; Sprayer, ridge maker, pump set, weeder, improve sickle etc.)	90
On-farm trials (Number)	7
Frontline demonstrations (Number)	13

Farmers training (in lakh)	0.00745
Extension personnel training (in lakh)	0.0009
Participants in extension activities (in lakh)	0.00694
Seed production (in tonnes)	4.82
Planting material production (in lakh)	1.678
Livestock strains and fingerlings production (in lakh)	0.015
Soil, water, plant, manures samples testing (in lakh)	-
Provision of mobile agro – advisory to farmers (in lakh)	0.2202
No. of other programmes (Swachha Bharat Abhiyaan, Agriculture knowledge in rural school, Planting material distribution, Vaccination camp etc.)	24

b. Fund received under TSP in 2020-21 (Rs. In lakh): 8.10

c. (i) Achievements of physical outcome under TSP during 2020-21

Sl. No.	Description	Unit	Achievements
1	Change in family income	%	22.5
2	Change in family consumption level	%	26.5
3	Change in availability of agricultural implements/ tools etc.	No. per household	6

(ii) Table:

Sl. No.	***Description***	***Unit***	***Achievements***
1	Number of Technologies Identified after Assessment	Number	6
2	Upgraded Skills and Knowledge of farmers	Number	815
3	Oriented extension personnel in frontier areas of agricultural technology	Number	
4	Increased availability of quality seed	Quintal	48
5	Increased availability of quality Planting material	Number	300
6	Increased availability of live-stock strains and fingerlings	Number	0
7	Testing of Soil & water samples for balance fertilizer use	Number	10

d. Location and Beneficiary Details during 2020-21

District	***Sub-district***	***No. of Village covered***	***Name of village(s) covered***	***ST population benefitted (No.)***		
				M	F	T
Malkangiri	Malkangiri	8	Pedawada, MV-2,MV-3, Undurgunda, Dariguda, Jharapalli,Boilapari, MV-9, Tandapalli	585	230	815

12. Schedule caste Output & Outcome achievements

Sl.No.	Indicator/Activities	Unit of Indicator	Achievements
1	Farmers, farm women trained by KVKs	Number	745
2	Extension personnel trained by KVKs	Number	90
3	On-farm trials conducted by KVKs	Number	6
4	Frontline demonstrations conducted by KVKs	Number	13
5	Quantity of seeds produced	Quintal	48.20q
6	Planting materials Produced	Number	167800
7	Livestock strains and fingerlings produced	Number	0
8	Soil & water samples tested	Number	10

13**.** Information pertaining to ARYA Project

2020-21							
Name of KVK	Year since ARYA is initiated in the KVK (specify year)	No. of Training programs	No. of rural youth trained		No. of youth established units		No. of entrepreneurial units established
			M	**F**	**M**	**F**	

14. Progress report of NICRA KVK (Technology Demonstration component) during the period-- NA
(Applicable for KVKs identified under NICRA)

Natural Resource Management

Name of intervention undertaken	Numbers under taken	No of units	Area (ha)	No of farmers covered / benefitted									Remarks
				SC		ST		Other		Total			
				M	F	M	F	M	F	M	F	T	

Crop Management

Name of intervention undertaken	Area (ha)	No of farmers covered / benefitted									Remarks
		SC		ST		Other		Total			
		M	F	M	F	M	F	M	F	T	

Livestock and fisheries

Name of intervention undertaken	Number of animals covered	No of units	Area (ha)	No of farmers covered / benefitted									Remarks
				SC		ST		Other		Total			
				M	F	M	F	M	F	M	F	T	

Institutional interventions

Name of intervention undertaken	No of units	Area (ha)	No of farmers covered / benefitted									Remarks
			SC		ST		Other		Total			
			M	F	M	F	M	F	M	F	T	

Capacity building

Thematic area	No of Courses	No of beneficiaries								
		SC	ST		Other		Total			
		M	F	M	F	M	F	M	F	T

Extension activities

Thematic area	No of activities	No of beneficiaries								
		SC	ST		Other		Total			
		M	F	M	F	M	F	M	F	T

Detailed report should be provided in the circulated Performa

15. Awards/Recognition received by the KVK

Sl. No.	Name of the Award	Year	Conferring Authority	Amount	Purpose

Award received by Farmers from the KVK district

Sl. No.	Name of the Award	Name of the Farmer	Year	Conferring Authority	Amount	Purpose

16. Any significant achievement of the KVK with facts and figures as well as quality photograph

17. Number of commodity based organizations/ farmers' cooperative society/ FPO formed/ associated with during last one year (Details of the group/society may be indicated)

Sl. No.	Name of the organization/ Society	Trust Deed No.& date	Date of Trust Registration Address	Proposed Activity	Commodity Identified	No. of Members	Financial position (Rupees in lakh)	Success indicator

18. Integrated Farming System (IFS)

Details of KVK Demo. Unit

Sl. No.	Module details (Component-wise)	Area under IFS (ha)	Production (Commodity-wise)	Cost of production in Rs. (Component-wise)	Value realized in Rs. (Commodity-wise)	No. of farmer adopted practicing IFS	% Change in adoption during the year

19.Technologies for Doubling Farmers' Income

Sl. No.	Name of the Technology	Brief Details of Technology (3- 5 bullet points)	Net Return to the farmer (Rs.) per ha per year due to adoption of the technology	No. of farmers adopted the technology in the district	One high resolution 'Photo' in 'jpg' format for each technology
1					
2					

20.Report on Digital Farming Initiatives in Agriculture/ Digital Ag. Extension Service

	Database prepared/ covered for		KVK level Committee		Various activity conducted for farmers
Phase	Total no. of villages	Total no. of farmers	Date of formation	Name of members	
I (up-to 15.03.2018)					
II (up-to 24.04.218)					
Total					

21.Information on Visit of VIPs to KVKs, if any

Date of Visit	Name of Hon'ble Minister	Name of Ministry	Salient points in his/ her observation (2-3 bulleted points)

22.a) Information on **ASCI** Skill Development Training Programme, if undertaken during 2019-20 and 2020-21

Year	Name of the Job role	Name of the certified Trainer of KVK for the Job role	Date of start of training	Date of completion of training	No. of participants	Whether uploaded to SDMS Portal (Y/N)	Fund utilized for the training (Rs.)
2016-17	NA						
2017-18	NA						
2018-19	Quality Seed grower	Dr Anuj Kumar Rai , Scientist (Seed Sc)	19.12019	12.2.2019	20	Y	165200/-
	Mushroom Production	Nigamananda Behera Scientist (Agronomy)	19.12019	12.2.2019	20	Y	165200/-
2019-20	NA						

b) Information on Skill Development Training Programme (**Other than ASCI or less than 200 hrs**., if any) if undertaken during 2020-21

Thematic area of training	Title of the training	Duration (in hrs.)	No. of participants									Fund utilized for the training (Rs.)
			SC		ST		Other		Total			
			M	F	M	F	M	F	M	F	T	
IPM	Certificate course on insecticide management for Insecticide dealer and Distributers	12 days	31	2	1	0	6	0	38	2	40	3,04,000/-

23. Information on NARI Project (if applicable)-- NA

Name of Nodal Officer	**No. of OFT on specified aspects**	**Title(s) of OFT**	**No. of FLD on specified aspects**	**No. of capacity development programme on specified aspects**	**Total no. of farm women/ girls involved in the project**	**Details of Issues related to gender mainstreaming addressed through the project**

23. Information on Krishi Kalyan Abhiyan Phase- I/ Phase-II/ Phase-III, if applicable- NA

Krishi Kalyan Abhiyan- I and II

A. Training

Name of programme	*No. of programmes*	*No. of farmers benefitted*									*No. of officials attended the programme*
		SC		**ST**		**Others**		**Total**			
		M	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**T**	
KKA-I	75	375	225	1950	1160	0	0	2325	1375	3710	25
KKA-II	75	1445	288	1187	430	0	0	2632	718	3350	31

B. Distribution of seed/ planting materials/ input/ others

Name of programme	*No. of Programme*	*Total quantity distributed*				*No. of farmers benefited*									*No. of other officials (except KVK) attended the programme*
		Seed (q)	*Planting material (lakh)*	*Input (kg)*	*Other (kg/ No.)*	*SC*		*ST*		*Others*		*Total*			
						M	*F*	*M*	*F*	*M*	*F*	*M*	*F*	*T*	
KKA-I	50	325	12500		150 kg	1575	375	2735	765	0	0	4310	1140	5450	42
KKA-II	50	300	12500		-	2107	1276	1321	746			3428	2022	5450	37

C. Livestock and Fishery related activities

Name of programme	*No. of Programme*	*Activities performed*				*No. of farmers benefited*									*No. of other officials (except KVK) attended the programme*
		No. of animals vaccinated	*No. of animals dewormed*	*Feed/ nutrient supplements provided (kg)*	*Any other (Distribution of animals/ birds/ fingerlings) [No.]*	*SC*		*ST*		*Others*		*Total*			
						M	*F*	*M*	*F*	*M*	*F*	*M*	*F*	*T*	
KKA-I	106	24614	12250	1750	NA	482	185	1510	501	212	62	2204	748	2952	35
KKA-II	75	5307	3125	400	NA	370	142	810	290	75	25	1255	457	1712	32

D. Other activities

Name of programme	*Activities*	*No. of farmers benefited*									*No. of other officials (except KVK) attended the programme*
		SC		*ST*		*Others*		*Total*			
		M	*F*	*M*	*F*	*M*	*F*	*M*	*F*	T	
KKA-I	Soil Health Card Distributed	217	28	1001	254	0	0	1218	282	1500	25
	NADEP Pit established	28	17	197	58	0	0	225	75	300	35
	Farm implements distributed	10	6	87	17	0	0	97	23	120	25
	Others, if any	429	164	1245	412	0	0	1674	576	2250	50
KKA-II	Soil Health Card Distributed	55	25	42	28	0	0	97	53	150	10
	NADEP Pit established	0	0	0	0	0	0	0	0	0	0
	Farm implements distributed	20	10	18	9	0	0	38	19	57	15
	Others, if any										

Krishi Kalyan Abhiyan- III

No. of villages covered	*No. of animal inseminated*	*No. of farmers benefitted*									*Any other, if any (pl. specify)*
		SC		*ST*		*Others*		*Total*			
		M	*F*	*M*	*F*	*M*	*F*	*M*	*F*	T	

25. Nutri-garden

Sl.no.	**Name of KVK**	**Established in KVK Campus**	**No. of nutria-garden established in the village**	**Major vegetables production**
1	KVK, Malkangiri	2019	25	Tomato, Brinjal, Beans and Papaya and seasonal vegetables

Please provide one or two good quality photographs

26. Any other programme organized by KVK, not covered above

Sl. No.	Name of the programme	Date of the programme	Venue	Purpose	No. of participants
1	Mission Shakti Capacity Development programme	11.2.2021	Khairiput	Vegetable production by SHG	**25**
	Soil health card scheme	28 March 21	Khairiput	Use of soil health card	**25**
2	Capacity development prog for Para extension workers under State plan scheme	23-24 March 2021	Malkangiri	Capacity development programme for Para extension workers under State plan scheme	150
3	Krishi Odisha farmer scientist interface	18.-19 March 2021	CDAO , Malkangiri	Farmer Scientist Interface	200

27.Good quality action photographs of overall achievements of KVK during the year (best 10)

28. SC SP quarter-wise- NA

SUCCESS STORY

Doubling farmers income through Aquaculture

Background

Shri. Santi Ranjan Dey is born in Pakistan. 1966 he came to Kolkata. He purchased 4 cent land near bhavanisangh school to make house. His father Late. Suren Dey was the football player and was having Paan stall at Putuwakhali. His home was at Laal Kathi at Pakistan. His uncle was having his own occupation of tailoring. At the time of formation of Bangladesh his uncle migrated to the Malkangiri district later on Shri. Santi Dey 's father along with his family were also shifted at Kolkata city. After that they have been entered to the camp which was located at Sealdah Petrol Pole. These camp taken Shri. Santi Deys family at Jharkhand and kept them there for 3 days. After that 80 families were taken in to MV 43 village of Malkangiri district where there was already 70 to 80 nos family was found as well settledIt was a horrible days for those family. Because it was a deep forest during those days and there was nothing which human beings need for their survivility. Government made the policy "No work no Rice"

Shri Santi Deys family came here at Malkangiri during Bangladesh separation or after Jai Bangla between 1965-1970. That time there were water scarcity problem, there were no water from tube well. During 1972 Shri. Santi dey tried to escape from Malkangiri to Golpukur near Bangladesh. But when it has came in the notice of camp staffs they again taken him to Medinapur and then taken him again at Malkangiri.After that hestarted hard work. He firstly started selling of woods (Kawari) @ 25 Rs/50 kg after that he started labour work @10 Rs for digging work of 10*10*1 ft for canal construction. He continued his labour work for 3 years then he shifted his business and started to sale Kirana items for one year and Salt saling business for 1 year. After that he went to Andhra Pradesh to bring Mirchi and sale here at Malkangiri. After that he started to sale fishes. He used to take weed fishes from reservoirs catches @ 2 Rs /kg and were selling Rs 4 per kg. Catla fishes he used to take @5Rs/kg and were selling @ Rs 8 per kg. He continued his fish purchasing and selling business till 3 years. After that he entered in to agriculture and started cabbage cultivation where he experienced no loss no profit. He continued his business for few years and through this he earned Rs 14000/- profit.

Intervention of KVK

Malkangiri village -9 is approx 14 km distance from KVK, Malkangiri . Shri. Santi Ranjan Dey a progressive fish farmer came in contact with KVK for taking technical advice, trainings and for OFT/FLD's purposes for his farm. Scientist of KVK has visited his farm and conducted Demonstration of for improving water quality and to overcome the disease problems of fishes. The KVK team is regularly monitoring water quality parameters, Disease Diagnostic and its treatment, etc by regular follow up visits. He has adopted scientific method of pisiculture and finger ling production and supplying to the fish farmers of the district

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Success made:-

Then finally, he came in contact with KVK and Fisheries department where he got training and ideas of scientific fish farming. With the help of this technical guidance Shri Santi Dey decided for fish farming and result of this that now he is earning Rs 30.00 lakhs profit annually. He has been felicitated as a best fish farmer by district administration and OUAT . He has complete setup of fish

entrepreneurs such as Fish seed hatchery, Nursery fish ponds, Rearing fish ponds and Brood stock fish ponds. Shri Santi Dey is found capable for supply of fish seeds throughout the district as well as outside the district.

SUCCESS STORY

Innovative agricultural practices during outbreak of Covid- 19 – An Intervention By KVK

Marketing of Vegetables by the farmers in Local Mandi

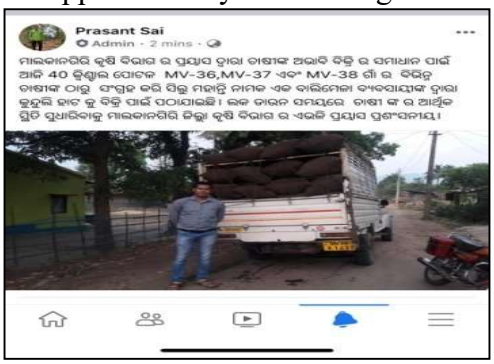
In KVK adopted villages , most of the farmers are growing vegetables like Pointed gourd, Tomato ,Onion and Brinjal during this time and crops are ready to be sold in the market , but due to lockdown effect during the outbreak of COVID-19 in the month of April-2020 , vegetable growers are facing lots of problems in selling their farm produce as they are unable to sell their produce in local market due to lockdown effect . Due to lockdown effect the local vegetable retail shops are all closed and no middle men or vendors are coming to their village for procuring and collecting these vegetables . As Most of the farmers are small farmers, they do not have any assess to sell their vegetables and there was absolutely no vehicles for transportation or any other means like small vans to bring the vegetables from farm field to local market for selling . This was a very challenging and hopeless situation for the farmers and they were deeply desperateed about their loss of farm produced vegetables in the field itself .

But KVK scientists and field level officers of dept of Horticulture like Asst Hort Officer , Korkunda , Malkangiri district, first contacted the farmers producers and created awareness among the farmers and took steps to aggregate the vegetables and seeked permission from Dist Administration also and contacted the vendor through the Government portal for selling of farm produce through online portal ***odihortmarketing .nic.in*** , developed by Dept of agriculture and farmers Empowerment , Govt Of Odisha and contacted the vendors in the Kunduli Market of neighboring District Koraput which was 150 km away from the Malkangiri district. Farmers after being convinced, formed a group comprising 42 no of vegetables growers from nearby villages, mainly from three villages Ramaguda and MV-20 of Malkangiri block and MV-36 of Korkunda block and decided to supply their vegetables to local Mandi of neighboring district .

They collectively harvested their vegetables like Pointed gourd Var Kajala (40 .00 q) , Tomato Var Laxmi (200.00q) , and Onion Var Agri Found Dark Red (300.0 q) and it was done on 20 th April 2020 , during lock down period at farm gate and all the collected vegetables were aggregated , graded and packaging was done and a total quantity of 550.0 quintals of vegetables

were sent to vegetable Mandi, Kunduli of Koraput district by Mini Truck and farmers were able to get good market price . The negotiated farm sale price of Pointed gourd and Onion was Rs 20.00 per kg , where as Price of tomato was Rs 10.00 per kg and by selling these items farmers were able to get remunerative price of their produce with gross return of Rs 8.80 lakh. This innovative approach solved the farmers problem of selling their produce as well as ensure consumers need of getting quality vegetables .

This has created confidence among other farmers and now they are selling the vegetables in the local market and Haats and able to overcome the distress sale of their farm produce and minimize the loss . This Innovative practices has helped the vegetable growers for maximizing their profit and to save their livelihood by avoiding distress sale strategically and it has also been appreciated by the farming community and other stake holders.



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