ANNUAL PROGRESS REPORT

(January 2022 to December 2022)

KRISHI VIGYAN KENDRA
RAYAGADA
ODISHA

Odisha University of Agriculture & Technology
Bhubaneswar -751003
Odisha

PROFORMA FOR ANNUAL REPORT 2022 (January-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 AT/PO- Gunupur Dist.: Rayagada (Odisha) Pin – 765022	06857 -250255	06857 -250255	kvkrayagada.ouat@gmail.com kvkrayagada@yahoo.in

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

Address	Telephone		E mail
	Office	FAX	
Directorate of Extension Education Odisha University of Agriculture and Technology Bhubaneswar – 751003 State-Odisha	0674-2397362	0674-2397933	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
Mr. Rajib Tudu Senior Scientist & Head	S. P. Guda At/PO- Gunupur District- Rayagada	9933536220	rajibtudu84@gmail.com

1.4. Year of sanction of KVK: March 2005

1.5. Staff Position (**as on 1st January, 2022**)

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	**Vacant**						
2	Subject Matter Specialist	Mr. Rajib Tudu	SMS & Senior Scientist and Head (I/C)	Plant Protection	15600-39100 A.G. P - 5400 with basic 61300	15.11.2018 (F.N)	Permanent	ST
3	Subject Matter Specialist	Mr. Binod Ch. Behera	Scientist	Ag. Extension	15600-39100 A.G. P - 6000 with basic 23070	23.05.2011 (F.N.)	Permanent	SC
4	Subject Matter Specialist	Mr. Binod K. Jena	Scientist	Plant Science	15600-39100 A.G. P - 6000 with basic 19050	5.06.2015 (F.N.)	Permanent	Others
5	Subject Matter Specialist	Mr. Amit Jyoti Majhi	SMS	Ag. Engg.	15600-39100 A.G. P - 5400 with basic 61300	30.11.2018 (F.N)	Permanent	SC
6	Subject Matter Specialist	Mrs. Madhumita Sarangi	Scientist	Home Science	15600-39100 A.G. P - 6000 with basic 20590	31.05.2021 (FN)	Permanent	Others
7	Subject Matter Specialist	**Vacant**						
8	Programme Assistant	Mr. Parimal Tarai	Programme Assistant	Seed Science and Technology	9300-34800G.P.-4200 with basic 42300	1.01.2016 (FN)	Permanent	SC
9	Computer Programmer	Mrs. Sumitra Mohanty	Programme Assistant (Computer)	Computer Application	9300-34800 G.P.-4200 with basic 56900	19.01.2006(FN)	Permanent	Others
10	Farm Manager	Mrs. Swarnasarika Behera	Farm Manager	Horticulture	9300-34800G.P.-4200 with basic 37600	13.02.2019 (FN)	Permanent	Others
11	Accountant / Superintendent	**Vacant**					Permanent	
12	Stenographer	Mrs. Gitanjali Das	Junior Steno-cum-Computer Operator	Arts and Stenography	5200-20200 G.P.-2400 with basic 27100	19.03.2019 (FN)	Permanent	SC
13.	Driver	Mr. Jagannath Pradhan	Driver-cum-Mechanic	Arts	5200-20200 G.P.-1900 with basic 23800	21.07.2015 (FN)	Permanent	ST
14.	Driver	Mr.Gopinath Kuanr	Driver-cum-Mechanic	Arts	5200-20200 G.P.-1900 with basic 23800	04.06.2021 (FN)	Permanent	SC
15.	Supporting staff	Gajendra Pradhan	Peon-cum-Watchman	-	4750- 14680 G.P. - 1700 with basic 22200	04.08.2022	Permanent	OBC
16.	Supporting staff	**Vacant**						

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	1.7
2.	Under Demonstration Units	0.5
3.	Under Crops	6.3
4.	Orchard/Agro-forestry	2.5
5.	Others with details	1.5
	Total	12.5 ha

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					Totally completed			ICAR
2.	Farmers Hostel					Totally completed		Under use	RKVY
3.	Staff Quarters (6)	Not yet started							
4.	Piggery unit	Not yet started							
5	Fencing					Not completed			RKVY
6	Rain Water harvesting structure	Not yet started							
7	Threshing floor					Totally completed		Under use	ICAR
8	Farm godown	Not yet started							
9.	Dairy unit	Not yet started							
10.	Poultry unit					Completed		Completed	RKVY
11.	Goatary unit	Not yet started							
12.	Mushroom Lab					Totally completed		Under use	RKVY
13.	Mushroom production unit	Not yet started							
14.	Shade house					Totally completed		Under use	RKVY
15.	Soil test Lab	Not yet started							
16	Others, Please Specify								

* 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
Renault Triber	2021	800000	16300 km	Functioning
Two wheeler : Passion Pro	2010	52600	13600 km	Functioning

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
Equipment's of soil lab	2017	1700000	Not started	ICAR
Mushroom Spawn Unit	2010	250000	Working	RKVY
b. Farm machinery				
Power Tiller	2017	193000	Working	ICAR
Tractor	2022	750000		ICAR
c. AV Aids				
Laptop	2018	49500	Working	ICAR
Desktop Computer	2018	49500	Working	ICAR
LED TV	2017	38691	Working	ICAR
LED Projector	2017	22000	Working	ICAR
Display Board	2017	8000	Working	ICAR
White Board	2017	4800	Working	ICAR
Camera	2022	35000	Working	ICAR
Printer	2022	12500	Working	ICAR
LCD (BenQ motorized) projector screen	2022	12176	Working	ICAR

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
Pumpset	2017	24525	Working	ICAR
Self-propelled Rice Transplanter	2017	194291	Working	ICAR

MB Plough	2017	25000	Working	ICAR
Disc Plough	2017	25000	Working	ICAR
Cultivator	2016	22000	Working	ICAR
Leveller	2017	11000	Working	ICAR
Brush cutter	2017	24150	Working	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.	08.02.2022	31	To take up diversification of crops in upland	Demonstration on pigeon pea var. PRG- 176 is being carried out in 10 ha. area in 25 farmers' fields during *Kharif 2021* in different villages like Gugurpanga, Armada and Bhimpurguda under CFLD.	-
2.			To enhance production of qualitative mushroom spawn	KVK has produced 5327 no. of mushroom spawn bottles (both paddy straw and Oyster mushroom) during year 2021-22 and six no. of trainings on improved method of mushroom cultivation have been imparted to 150 no. of farmers, farm women and rural youths.	
3.			Demonstration on beekeeping should be conducted	Frontline demonstration on Scientific beekeeping has been conducted through 3 SHGs i.e. one each in villages of Tada, Badasangidi and Butingi with the participation of 36 no. of beneficiaries	
4.			Popularization of battery operated cotton picker for plucking of cotton	For popularization of cotton picker, frontline demonstration on portable cotton picker for plucking of cotton has been conducted during 2021-22 in villages of Armada, Nalpanda, Pradhaniguda and Rupapadar.	
5.			Use of Emamectin Benzoate for management of FAW in OFT.	Assessment of Fall Armyworm management in maize has been conducted during *Kharif*' 2021 in villages of Pagadabili, Kukurguda and Pradhaniguda in seven farmers' field covering 1.4 ha area.	

6.			Trial on pod borer management of pigeon pea.	Assessment of pod borer management in pigeon pea has been conducted in 1.4 ha area in 7 farmers' field during *Kharif'* 2021 in villages of Armada and Bhimpurguda.	
7.			Popularization of ragi var. Arjuna.	For popularization of ragi var. Arjuna, seeds has been distributed to 10 nos. of farmers in villages like Bhalerikudia, Pradhaniguda and Bagsola under TSP programme during 2021-22. (Area- 115.0 ha.)	
8.			Demonstration on tea mosquito bug management in cashew.	Frontline demonstration on management of tea mosquito bug in cashew is being conducted during *Rabi'* 2021-22 in 10 nos. of farmers' field covering 2.0 ha area in villages like Bhalerikudia, Nairaguda, Sourasingpur and Lungartal.	
9.			Development of IFS model in KVK for exposure visit of farmers and farm women.	Pond based IFS model (area- 1.0 acre) has been developed in KVK campus and farmers, farm women and rural youths are coming to visit this IFS model.	
10.			Exposure visit facilities for farmers and farm women.	Farmers exposure visits were conducted to pond based IFS model present in Khilapadar village of Padmapur block.	
11.			Conduct training on intercropping.	Training on intercropping of cotton with pigeon pea and maize with cow pea has been conducted for the farmers and farm women. No. of trainings- 5 and participants- 125	
12.			Demonstration on new high yielding species of Oyster mushroom.	Demonstration of Oyster mushroom (*Pleurotus pulmorius*) cultivation in winter has been conducted involving 10 no. of farmers with 100 no. of beds.	

** Salient recommendation of SAC in bullet form*

Attach a copy of SAC proceedings along with list of participants

PROCEEDINGS OF 17th SCIENTIFIC ADVISORY COMMITTEE MEETING
KVK, RAYAGADA

The 17th Scientific Advisory Committee Meeting of KVK, Rayagada was held on Dt.08.02.2022 at 10.30 AM in the KVK premises under the Chairmanship of Dr. P.J. Mishra, Dean, Directorate of Extension Education, OUAT, Bhubaneswar and Dr. K. S. Das, Principal Scientist, ICAR- ATARI, Kolkata attended the meeting virtually. Dr. D. C. Sahu, Head, ICAR-IISWC, Sunabeda, Koraput attended the meeting. The members present in the meeting were annexed herewith. Mr. Rajib Tudu, Senior Scientist and Head, KVK Rayagada made a brief introduction and Smt. Swarnasarika Behera, Farm Manager welcomed the dignitaries & members and requested them to inaugurate the meeting by lighting the holy lamp.

After a brief introductory remark about mandates of KVK and importance of SAC meeting, the Chairman requested the Senior Scientist and Head to start the proceedings as per agenda.

Agenda-1: Approval of the proceedings of the last SAC meeting

The Senior Scientist and Head stated that the proceedings of last SAC meeting were communicated to all the SAC members. He also presented the proceedings in brief. The Chairman taking the consent of the members approved the proceedings.

Agenda-2: Action taken on the proceedings of last SAC meeting

Sl. No.	Recommendation of last year SAC meeting	Action Taken
1.	To take up diversification of crops in upland	Demonstration on pigeon pea var. PRG- 176 is being carried out in 10 ha. area in 25 farmers' fields during *Kharif 2021* in different villages like Gugurpanga, Armada and Bhimpurguda under CFLD.
2.	To enhance production of qualitative mushroom spawn	KVK has produced 5327 no. of mushroom spawn bottles (both paddy straw and Oyster mushroom) during year 2021-22 and six no. of trainings on improved method of mushroom cultivation have been imparted to 150 no. of farmers, farm women and rural youths.
3.	Demonstration on beekeeping should be conducted	Frontline demonstration on Scientific beekeeping has been conducted through 3 SHGs i.e. one each in villages of Tada, Badasangidi and Butingi with the participation of 36 no. of beneficiaries
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9.	Development of IFS model in KVK for exposure visit of farmers and farm women.	Pond based IFS model (area- 1.0 acre) has been developed in KVK campus and farmers, farm women and rural youths are coming to visit this IFS model.
10.	Exposure visit facilities for farmers and farm women.	Farmers exposure visits were conducted to pond based IFS model present in Khilapadar village of Padmapur block.
11.	Conduct training on intercropping.	Training on intercropping of cotton with pigeon pea and maize with cow pea has been conducted for the farmers and farm women. No. of trainings- 5 and participants- 125
12.	Demonstration on new high yielding species of Oyster mushroom.	Demonstration of Oyster mushroom (*Pleurotus pulmorius*) cultivation in winter has been conducted involving 10 no. of farmers with 100 no. of beds.

Agenda- 3: **Achievements of KVK**

The Senior Scientist and Head presented the achievements of KVK for *Rabi*,2020 -21 and *Kharif*, 2021.

Frontline Demonstrations of 5 nos. & On Farm Testing of 1 nos. in *Rabi'* 2020-21 and Front Line Demonstrations of 8 nos. (Including FLD oilseeds, pulses and TSP) & On Farm Testing of 7 nos. in *Kharif* '2021 have been successfully conducted in the farmers field. Cluster Front Line Demonstrations of 4 nos. in *Rabi* & Summer 2020-21 on green gram, sunflower, sesame have been successfully conducted under Cluster Frontline Demonstration on oilseed and pulse programme. Cluster Front Line Demonstrations of 3 nos. in *Kharif*, 2021 on pigeon pea, blackgram and groundnut have been conducted under Cluster Frontline Demonstration on oilseed and pulse programme.

Achievements of *Rabi'* 2020 -21:

i. Assessment of triple resistant tomato hybrids Arka Rakshak gave yield of 412.0 q/ha with net income of Rs. 182500.00 per ha and var. Arka Samrat gave yield of 410.0 q/ha with net income of Rs. 179000.00 per ha as compared to 308.0 q/ha in farmers' variety Lakshmi with net income of Rs. 68000.00 per ha.

ii. Demonstration on wilt complex management in brinjal gave yield of 236.0 q/ha and net income of Rs. 185200.00 as compared to yield of 172.0 q/ha and net income of Rs. 114700.00 in farmers' practice.

iii. Demonstration of YVMV management in okra gave yield of 96.0 q/ha and net income of Rs. 62000.00 as compared to yield of 71.0 q/ha and net income of Rs. 31500.00 in farmers' practice.

iv. Demonstration of fruit fly management in mango gave yield of 51.0 q/ha and net income of Rs. 97610.00 as compared to yield of 37.0 q/ha and net income of Rs. 66250.00 in farmers' practice.

v. Demonstration on management of tea mosquito bug in cashew gave yield of 14.4 q/ha and net income of Rs. 82550.00 as compared to yield of 9.8 q/ha and net income of Rs. 51900.00 in farmers' practice.

vi. Demonstration on scientific beekeeping gave honey yield of 6.3kg/box and net income of Rs. 1830.00.

Achievements *Kharif* 2021

i. Assessment of medium duration rice variety Pratibha gave yield of 48.7 q/ha with net income of Rs. 38478.00 per ha while variety MTU-1010 yielded of 42.5 q/ha with net income of Rs. 26450.00 as compared to 39.8 q/ha in farmers' variety Lalat with net income of Rs. 21212.00 per ha.

ii. Assessment of management of fall armyworm (*Spodoptera frugiperda)* in maize by application 1.5% D Chlorpyriphos in bund @ 25 kg/ha, Spraying of Chloropyriphos + Cypermethrin @ 2 ml/ l and Chlorantraniliprole 18.5% SC @ 0.4 ml/l, alternatively at 10 DAI gave yield of 53.5 q/ha with net income of Rs. 56420.00 per ha and application of 5% NSKE/ Azadirachtin 1500 ppm @5 ml/l of water during egg laying stage to avoid egg hatching. Application of Emamectin Benzoate 5% SG @ 0.4 gm./lt. of water to manage the 2^{nd} and 3^{rd} instars larvae gave yield of 49.1 q/ha with net income of Rs. 49517.00 per ha as compared to farmers practice of spraying of Profenophos @ 2ml/l of water gave yield of 39.7 q/ha and net income Rs. 35764.00.

iii. Assessment of bullock drawn puddler for puddling in paddy: There is requirement of 11 h/ha for puddling by bullock drawn puddler instead of 45.9 h/ha for conventional method to reduce puddling cost, save time and reduce drudgery for sitting arrangement of operator.

iv. Assessment of different chemicals for controlling competitor moulds in paddy straw mushroom reveals that pre-soaking of the paddy straw bundle with 1.0% Calcium carbonate gave yield of 1.4 kg/bed with net income of Rs. 96.00 per kg, soaking with 0.02% of bleaching powder gave yield of 1.2 kg/bed with net income of Rs. 72.00 per kg, soaking of paddy straw bundle with 1% calcium carbonate gave yield of 1.1 kg/bed with net income of Rs. 62.00 per kg.

v. Demonstration on drought tolerant rice variety Swarna Shreya in rain-fed uplands gave yield of 43.5 q/ha with a net income of Rs. 28390.00 as compared to yield of 36.4q/ha and net income of Rs. 14616.00 in farmers' var. Sahabhagi dhan

vii. Demonstration on medium duration rice variety for BPH tolerance var Hasanta gave yield of 46.6 q/ha and net income of Rs. 32404.00 as compared to yield of 41.2 q/ha and net income of Rs. 21928.00 in farmers' var. Pratikshya.

viii. Demonstration on production of paddy straw mushroom with scrambled straw gave yield of 5.5 kg/bed and net income of Rs.670/10 beds as compared to yield of 6.6 kg/bed and net income of Rs.718/ 10 beds in farmers' practice by growing of paddy straw mushroom with existing process by using paddy straw.

ix. Demonstration on Ragi thresher cum pearler: Threshing and cleaning efficiency of this equipment was 90-93% and 90-92%, respectively.

x. Demonstration on nutritional garden for improving nutritional security of farm family increase the vegetable consumption 290 (gm/ member/day) as compared to vegetable consumption 165 (gm/ member/day).

Agenda – 4: Constraints of the K.V.K.

The Senior Scientist and Head presented the constraints of the KVK and drawn kind attention of DEE, OUAT, Bhubaneswar and members of the house.

1. There is vacant of post of Senior Scientist and Head since long.
2. Shortage of scientific staff especially scientists (Agronomy, Horticulture and Animal Science) causing hindrance in carrying out mandatory activities.
3. There is 800 m. of incomplete boundary wall in seed production unit.

4. Lack of proper drainage channel causing water logging condition during rainy season.
5. Sandy soil in block 'A' needs renovation and leveling.
6. There is need of fund for pond based IFS (Integrated Farming System) and infrastructure development.
7. There is requirement of seed godown, parking shed and staff quarters.

Agenda- 5: Salient recommendations

1. Popularization of suitable drought tolerant rice varieties through demonstrations and sweet corn hybrids under on- farm trials instead of taking composite maize varieties.
2. Conversion of the best technology assessed under on-farm trial for management of sheath blight disease in rice to frontline demonstration.
3. Comparative study of improved backyard breed with Kalinga brown breed instead of RIR and popularize the breeds like Kadaknath, Kalinga brown, Pallishree.
4. Conducting more nos. of training on mushroom and flower cultivation for entrepreneurship development of farmers and also suggestions were given for conducting OFT on weed management in onion.
5. Conducting training on bund plantation with fruits and vegetable crops in IFS unit.
6. For dairy farming, trainings should be given on fodder cultivation at village level.
7. To conduct FLD and training on fall armyworm management in maize and pod borer management in pigeon pea.
8. Development of nutritional garden for farm families for nutritional security and to conduct trainings on different vegetables & flowers cultivation.
9. Assessment and popularization of wet land power operated paddy weeder.
10. To focus on imparting training on scientific beekeeping and value addition of different fruits and vegetables.
11. Assessment and popularization suitable varieties of rice for rainfed medium land.
12. Providing technical support to the farming community regarding pisciculture and Integrated Farming System.
13. To conduct FLD on mini dry land power weeder in maize.

The meeting ended with vote of thanks by Mr. Binod Chandra Behera, Scientist (Ag. Extension), KVK, Rayagada followed by visit of demonstration units of the KVK by the SAC members.

Approved

09.01.2023
Sr. Scientist & Head
KVK, Rayagada
Senior Scientist & Head
KVK, RAYAGADA

09/01/2023
Joint Director Extension
Directorate of EE

9/1/23
Dean Extension Education
OUAT, Bhubnaeswar

ANNEXURE

Participants of 17th Scientific Advisory Committee meeting held on Dt.08.02.2022

Sl. No.	Name	Designation	Remarks
1.	Dr. Prasannajit Mishra	Dean, Directorate of Extension Education, OUAT, Bhubaneswar	Chairman
2.	Dr. Kalyan Sundar Das	Principal Scientist, Zone- V, ICAR- ATARI, Kolkata	Member
3.	Dr. D. C. Sahu	Head & Principal Scientist, ICAR-IISWC, Sunabeda, Koraput	Member
4.	Mr. Dushasan Praharaj	CDAO, Rayagada	Member
5.	Mr. Dhirendra Bihari	LDM, Rayagada	Member
6.	Mr. Pradeep Kumar Pattnaik	I/C Project Director, Watershed, Rayagada	Member
7.	Mr. Rajib Tudu	Senior Scientist and Head	Member
8.	Mr. Jagannath Bindhani	I/C DDH, Rayagada	Member
9.	Mr. S. K. Samal	AGM, NABARD	Member
10.	Mr. Bishnu Prasad Sahu	ADO, Gunupur	Member
11.	Dr. Rama Rao Palo	SDVO, Rayagada	Member
12.	Mrs. Karna Murmu	CDPO, Gunupur	Member
13.	Dr. Rajesh Bishnoi	Scientist, ICAR	Member
14.	Mrs. Purnapriya Suara	AFO, Gunupur	Member
15.	Anita Nath	Social Officer, WOTR,Gunupur	Member
16.	Mr. Jagabandhu Puhana	L. I. Division, Gunupur	Member
17.	Mr. Sudeep Kumar Sahoo	District Co-ordinator, 4S-JTC-MOK	Member
18.	Mr. Debendra Gouda	Co, 4S, Rayagada	Member
19.	Dr. Sangram Paramguru	SS & Head, K.V.K. Gajapati	Invitee
20.	Mr. Jayashankar Pradhan	SMS (Agro-meteorology)	Invitee
21.	Mr. Manoj Kumar Sahu	PA(Computer), KVK, Gajapati	Invitee
22.	Mr. Dalapati Karjee	Secretary, RMC, Gunupur	Member
23.	Mr. Rajendra Kumar Nimalu	Farmer	Member
24.	Smt. Sushila Mohapatra	Farm Women	Member
25.	Mr. Narayan Sabar	Farmer	Member

26.	Mr. Jagabandhu Lima	Progressive farmer	Invitee
27.	Mr. Kailash Chandra Gouda	Progressive farmer	Invitee
28.	Smt. Pramila Majhi	Farm Women	Member
29.	Mr. Bibhu Prasad Satapathy	Reporter	Invitee
30.	Mr. Purna Chandra Sarangi	Reporter	Invitee
31.	Mr. Pradeep Kumar Patra	Reporter	Invitee

17th SAC meeting of KVK, Rayagada on Dt.08.02.2022

କୃଷି ବିଜ୍ଞାନ ଉପଦେଷ୍ଟା ମଣ୍ଡଳୀ ବୈଠକ

ଗୁଣପୁର,୮/୨(ଇମିସ): ଗୁଣପୁର ସ୍ଥିତ କୃଷି ବିଜ୍ଞାନ କେନ୍ଦ୍ର ସଭାଗୃହରେ ୧୭ତମ ବୈଜ୍ଞାନିକ ଉପଦେଷ୍ଟା ମଣ୍ଡଳୀ ବୈଠକ ଅନୁଷ୍ଠିତ ହୋଇଯାଇଛି। ବୈଠକରେ ଓଡ଼ିଶା କୃଷି ଓ ବୈଷୟିକ ବିଶ୍ୱବିଦ୍ୟାଳୟ ଅଧୀନସ୍ଥ ସମ୍ପ୍ରସାରଣ ଶିକ୍ଷା ନିର୍ଦ୍ଦେଶାଳୟର ଅଧ୍ୟକ୍ଷ ଡ. ପ୍ରସନ୍ନଜିତ ମିଶ୍ର ଅଧ୍ୟକ୍ଷତା କରି ବହୁ କୃଷି ସଂପର୍କିତ ଉପାଦେୟ ତଥ୍ୟ ପ୍ରଦାନ କରିଥିଲେ। ଆଗାମୀ ଦିନରେ କୃଷି ବିଜ୍ଞାନ କେନ୍ଦ୍ରର କାର୍ଯ୍ୟକ୍ରମ ତ୍ୱରାନ୍ୱିତ ହେବା ସହ କୃଷକଙ୍କ ଆୟ ବୃଦ୍ଧିରେ ସହାୟକ ହୋଇପାରିବ ବୋଲି କହିଥିଲେ। ବୈଠକରେ ସମ୍ମାନିତ ଅତିଥି ଭାବେ ଜିଲ୍ଲା ମୁଖ୍ୟ କୃଷି ଅଧିକାରୀ ଦୁଃଶାସନ ପ୍ରହରାଜ ଯୋଗଦେଇ ସୂଚିନ୍ତିତ ମତାମତ ପ୍ରଦାନ କରିଥିଲେ। ସୂଚନାବେତାର ପ୍ରମୁଖ ବୈଜ୍ଞାନିକ ଡା. ଡି.ସି ସାହୁ ଯୋଗଦେଇ କୃଷି ବିଜ୍ଞାନ କେନ୍ଦ୍ରର କାର୍ଯ୍ୟକ୍ରମ କିଭଳି ଅଧିକ ଲୋକାଭିମୁଖୀ ହୋଇପାରିବ ଏବଂ କୃଷକ ଉପକୃତ ହୋଇପାରିବେ ସେନେଇ ଗବେଷଣାତ୍ମକ ତଥ୍ୟ ପ୍ରଦାନ କରିଥିଲେ। ଅନ୍ୟମାନଙ୍କ ମଧ୍ୟରେ ରାୟଗଡ଼ା ଜଳଛୟା ପ୍ରକଳ୍ପ ନିର୍ଦ୍ଦେଶକ ପ୍ରଦୀପ କୁମାର ପଟ୍ଟନାୟକ, ଭାରପ୍ରାପ୍ତ ଉଦ୍ୟାନ କୃଷି ନିର୍ଦ୍ଦେଶକ ଜଗନ୍ନାଥ ବିନ୍ଧାଣି, ନାବାର୍ଡ ଡିଡିଏମ ଏସ୍.କେ ସାମଲ, ଏଲ୍‌ଡିଏମ୍ ଧୀରେନ୍ଦ୍ର ବିହାରୀ, ଗୁଣପୁର ଜିଲ୍ଲା କୃଷି ଅଧିକାରୀ ବିଷ୍ଣୁ ପ୍ରସାଦ ସାହୁ, ଉପଖଣ୍ଡ ପ୍ରାଣୀଧନ ଅଧିକାରୀ ଡ. ରମାରାଓ ପାଲ ପ୍ରମୁଖ ଆଲୋଚନାରେ ଅଂଶଗ୍ରହଣ କରି ସୁଚିନ୍ତିତ ପରାମର୍ଶ ଦେଇଥିଲେ। ଏହି ଅବସରରେ ବରିଷ୍ଠ ବୈଜ୍ଞାନିକ ତଥା କୃଷି ବିଜ୍ଞାନ କେନ୍ଦ୍ରର ମୁଖ୍ୟ ରାଜୀବ ଟୁଡୁ ବିଗତ ବର୍ଷ ରବି ଏବଂ ଚଳିତ ବର୍ଷ ଖରିଫ କାର୍ଯ୍ୟକ୍ରମର ସଫଳତା ପ୍ରକାଶ କରି ୨୦୨୨ ରବି କାର୍ଯ୍ୟକ୍ରମ ଉପରେ ଆଲୋକପାତ କରିଥିଲେ। ଉପସ୍ଥିତ ଚାଷୀ ସଦସ୍ୟ ଯୋଗଦେଇ କୃଷି ବିଜ୍ଞାନ କେନ୍ଦ୍ରର କାର୍ଯ୍ୟକ୍ରମ କିପରି ଅଧିକ ଉପାଦେୟ ହୋଇପାରିବ ସେନେଇ ମତାମତ ଦେଇଥିଲେ। ସେହିପରି କୃଷି ବିଜ୍ଞାନ କେନ୍ଦ୍ର ପକ୍ଷରୁ ପ୍ରକାଶିତ ତ୍ରୟୋମାସିକା କୃଷି ସମାଚାର ପତ୍ରିକା ଏବଂ ମହୁ ଚାଷ ସଂପର୍କିତ ପୁସ୍ତକ ଅତିଥିଙ୍କ ଦ୍ୱାରା ଉନ୍ମୋଚନ କରାଯାଇଥିଲା। କାର୍ଯ୍ୟକ୍ରମକୁ କୃଷି ବିଜ୍ଞାନ କେନ୍ଦ୍ରର ବୈଜ୍ଞାନିକ ବିନୋଦ ଚନ୍ଦ୍ର ବେହେରା, ବୈଜ୍ଞାନିକ ଅମିତ ମାଝୀ, ପରିମଳ ଡରାଇ, ସ୍ୱପ୍ନେଶ୍ୱର ସାରିକା ବେହେରା, ମଧୁସ୍ମିତା ଷଡ଼ଙ୍ଗୀ, ଗୀତାଞ୍ଜଳି ଦାଶ ପ୍ରମୁଖ ପରିଚାଳନା କରିଥିଲେ।

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2.a. District level data on agriculture, livestock and farming situation (2022)

Sl. no.	Item	Information
1	Major Farming system/enterprise	Rice- fallow Rice-pulse (Horse gram, Green gram, Black gram) Rice-sunflower, Rice- vegetables (Solanac., Cole crops and cucurbits) Pulses - fallow (pigeon pea) Vegetable (Tomato, Radish, Cabbage, Cauliflower-Vegetables) Ground nut - fallow Paddy- Ground nut + Poultry Mushroom Production
2	Agro-climatic Zone	North Eastern Ghat Zone
3	Agro ecological situation	1.Hilly and plateau, rainfed, high elevation 2. Hilly and plateau, moderate irrigation, moderate
4	Soil type	The red or mixed red soil is 52.8%, followed by latterite soil 30.71%, alluvial soil 14.76%, black soil 1.43% and brown forest soil
5	Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others	Cereals- Paddy – 56.1q/ha, cotton – 20.05 q/ha, ragi- 17.5 q/ha, maize- 56.85 q/ha, Pulses- Pigeon pea – 16.36/ha, Black gram- 3.22 q/ha, Green gram- 3.38/ha Oilseeds- Groundnut- 24.5 /ha, Sunflower- 13.88 q/ha, Sesame- 3.88 /ha, Vegetables- 83.35 q/ha
6	Mean yearly temperature, rainfall, humidity of the district	Temperature- Max- 44^0 C and Min- 8 ^{0}C Annual rainfall- 1315.1 mm in 165 rainy days
7	Production of major livestock products like milk, egg, meat etc.	Milk - 1.1 MT / year , poultry meat- 140.0 (MT Meat), Goatary - 710.0 (MT Meat)

Note: Please give recent data only

2.b. Details of operational area / villages (2022)

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.	Gunupur	Padmapur	Laxmanguda	Paddy, maize, blackgram	Paddy- Line transplanting, weed infestation, blast disease, BPH attack, stem borer, mechanization, distress sale drought, water scarcity Maize- INM, weed infestation, Blackgram- Line sowing, INM, YMV disease, pod borer	Integrated weed management in maize, rice and cotton Management of acid soil with paper mill sludge
2.	Gunupur	Ramnaguda	Garanda	Paddy, cotton, pigeon pea, maize	Paddy- Line transplanting, weed infestation, blast disease, BPH attack, stem borer, mechanization, distress sale, drought, water scarcity Cotton- weed problem, mealy bug, boll worm Pigeonpea- local variety, weed infestation, INM, Rhizobium culture, sterility mosaic virus, pod and shoot borer Maize- INM, weed infestation	Integrated weed management in maize, rice and cotton Improved production technology in cotton Integrated Pest Management and Integrated Disease Management in Paddy, Maize, Cotton
3.	Gunupur	Gunupur	Pagadabilli	Paddy, cotton , pigeon pea, maize	Paddy- Line transplanting, weed infestation, blast disease, BPH attack, stem borer, mechanization, distress sale, drought, water scarcity Cotton- weed problem, mealy bug, boll worm Pigeonpea- local variety, weed infestation, INM, Rhizobium culture, sterility mosaic virus, pod and shoot borer Maize- INM, weed infestation	Integrated weed management in maize, rice and cotton Management of acid soil with paper mill sludge Integrated Pest Management and Integrated Disease Management in Paddy, Maize, Cotton
4.	Gunupur	Gunupur	Pradhaniguda	Paddy, cotton , pigeon pea, maize	Paddy- Line transplanting, weed infestation, blast disease, BPH attack, stem borer, mechanization, distress sale, drought, water scarcity Cotton- weed problem, mealy bug, boll worm Pigeonpea- local variety, weed infestation, INM, Rhizobium culture, sterility mosaic virus, pod and shoot borer Maize- INM, weed infestation	Integrated weed management in maize, rice and cotton Integrated Pest Management and Integrated Disease Management in Paddy, Maize, Cotton

5.	Gunupur	Gunupur	Turkaniguda	Paddy, cotton , pigeon pea, maize	Paddy- Line transplanting, weed infestation, blast disease, BPH attack, stem borer, mechanization, distress sale, drought, water scarcity Cotton- weed problem, mealy bug, boll worm Pigeonpea- local variety, weed infestation, INM, Rhizobium culture, sterility mosaic virus, pod and shoot borer Maize- INM, weed infestation	Integrated weed management in maize, rice and cotton Management of acid soil with paper mill sludge Integrated Pest Management and Integrated Disease Management in Paddy, Maize, Cotton
6.	Gunupur	Gunupur	Gadiakhala	Paddy, cotton , pigeon pea, maize	Paddy- Line transplanting, weed infestation, blast disease, BPH attack, stem borer, mechanization, distress sale, drought, water scarcity Cotton- weed problem, mealy bug, boll worm Pigeonpea- local variety, weed infestation, INM, Rhizobium culture, sterility mosaic virus, pod and shoot borer Maize- INM, weed infestation	Integrated weed management in maize, rice and cotton Improved production technology in Cotton Integrated Pest Management and Integrated Disease Management in Paddy, Maize, Cotton
7.	Gunupur	Gudari	Sanhuma	Paddy, cotton , pigeon pea, maize	Paddy- Line transplanting, weed infestation, blast disease, BPH attack, stem borer, mechanization, distress sale, drought, water scarcity Cotton- weed problem, mealy bug, boll worm Pigeonpea- local variety, weed infestation, INM, Rhizobium culture, sterility mosaic virus, pod and shoot borer Maize- INM, weed infestation	Integrated weed management in maize, rice and cotton Improved production technology in Cotton Integrated Pest Management and Integrated Disease Management in Paddy, Maize, Cotton
8.	Gunupur	Ramnaguda	Armada	Paddy, cotton , pigeon pea, groundnut	Paddy- Line transplanting, weed infestation, blast disease, BPH attack, stem borer, mechanization, distress sale, drought, water scarcity Cotton- weed problem, mealy bug, boll worm Pigeonpea- local variety, weed infestation, INM, Rhizobium culture, sterility mosaic virus, pod and shoot borer Groundnut – INM, collar rot, defoliation, high yielding variety, availability of seed	Integrated weed management in maize, rice and cotton Improved production technology in Cotton Improved production technology in Oilseeds Integrated Pest Management and Integrated Disease Management in Paddy, Maize, Cotton

9.	Gunupur	Ramnaguda	Nilamguda	Paddy, cotton , pigeon pea, maize, groundnut	Paddy- Line transplanting, weed infestation, blast disease, BPH attack, stem borer, mechanization, distress sale, drought, water scarcity Cotton- weed problem, mealy bug, boll worm Pigeonpea- local variety, weed infestation, INM, Rhizobium culture, sterility mosaic virus, pod and shoot borer Groundnut – INM, collar rot, defoliation, high yielding variety, availability of seed	Improved production technology in pulses Improved production technology in Oilseeds Integrated Pest Management and Integrated Disease Management in Paddy, Maize, Cotton
10.	Gunupur	Ramnaguda	Nalpanda	Paddy, cotton , pigeon pea, maize	Paddy- Line transplanting, weed infestation, blast disease, BPH attack, stem borer, mechanization, distress sale, drought, water scarcity Cotton- weed problem, mealy bug, boll worm Pigeonpea- local variety, weed infestation, INM, Rhizobium culture, sterility mosaic virus, pod and shoot borer Maize- INM, weed infestation	Improved production technology in pulses Integrated weed management in maize, rice and cotton Improved production technology in Cotton
11.	Gunupur	Gunupur	Kalma	Paddy, cotton , maize	Paddy- Line transplanting, weed infestation, blast disease, BPH attack, stem borer, mechanization, distress sale, drought, water scarcity Cotton- weed problem, mealy bug, boll worm Maize- INM, weed infestation	Integrated weed management in maize, rice and cotton Improved production technology in Cotton
12.	Gunupur	Gunupur	Chalkamba	Paddy, cotton , maize	Paddy- Line transplanting, weed infestation, blast disease, BPH attack, stem borer, mechanization, distress sale, drought, water scarcity Cotton- weed problem, mealy bug, boll worm Maize- INM, weed infestation	Integrated weed management in maize, rice and cotton Improved production technology in Cotton Integrated Pest Management and Integrated Disease Management in Paddy, Maize, Cotton
13.	Gunupur	Gunupur	Rupapadar	Paddy, cotton , maize, vegetable	Paddy- Line transplanting, weed infestation, blast disease, BPH attack, stem borer, mechanization, distress sale, drought, water scarcity Cotton- weed problem, mealy bug, boll worm Maize- INM, weed infestation Vegetables- high yield varieties, INM, fruit and shoot borer in brinjal, wilting in tomato and brinjal, distress sale of vegetables, no value addition	Integrated weed management in maize, rice and cotton Seed production of important cereals, pulses and vegetable crops Integrated Pest Management and Integrated Disease Management in Paddy, Maize, Cotton, Vegetables,

14.	Gunupur	Rayagada	Kuljing	Paddy, maize, ragi	Paddy- Line transplanting, weed infestation, blast disease, BPH attack, stem borer, mechanization, distress sale, drought, water scarcity Maize- INM, weed infestation Ragi- local varieties, INM, value addition, processing	Integrated weed management in maize, rice and cotton Integrated Pest Management and Integrated Disease Management in Paddy, Maize, Cotton
15.	Gunupur	Ramnaguda	Gulumunda	Paddy, cotton , pigeon pea, maize	Paddy- Line transplanting, weed infestation, blast disease, BPH attack, stem borer, mechanization, distress sale, drought, water scarcity Cotton- weed problem, mealy bug, boll worm Pigeonpea- local variety, weed infestation, INM, Rhizobium culture, sterility mosaic virus, pod and shoot borer Maize- INM, weed infestation	Improved production technology in pulses Integrated Pest Management and Integrated Disease Management in Paddy, Maize, Cotton
16.	Gunupur	Gunupur	Regeda	Paddy, cotton , pigeon pea, maize	Paddy- Line transplanting, weed infestation, blast disease, BPH attack, stem borer, mechanization, distress sale, drought, water scarcity Cotton- weed problem, mealy bug, boll worm Pigeonpea- local variety, weed infestation, INM, Rhizobium culture, sterility mosaic virus, pod and shoot borer Maize- INM, weed infestation	Improved production technology in pulses Integrated Pest Management and Integrated Disease Management in Paddy, Maize, Cotton
17.	Gunupur	Ramnaguda	Majhiguda	Paddy, cotton , pigeon pea, maize	Paddy- Line transplanting, weed infestation, blast disease, BPH attack, stem borer, mechanization, distress sale drought, water scarcity Cotton- weed problem, mealy bug, boll worm Pigeonpea- local variety, weed infestation, INM, Rhizobium culture, sterility mosaic virus, pod and shoot borer Maize- INM, weed infestation	Crop Diversification Improved production technology in pulses Integrated Pest Management and Integrated Disease Management in Paddy, Maize, Cotton
18.	Gunupur	Gunupur	Bijaypur	Paddy, cotton , pigeon pea, maize	Paddy- Line transplanting, weed infestation, blast disease, BPH attack, stem borer, mechanization, distress sale, drought, water scarcity Cotton- weed problem, mealy bug, boll worm Pigeonpea- local variety, weed infestation, INM, Rhizobium culture, sterility mosaic virus, pod and shoot borer Maize- INM, weed infestation	Crop Diversification Improved production technology in pulses Integrated Pest Management and Integrated Disease Management in Paddy, Maize, Cotton

19.	Gunupur	Ramnaguda	Rajbikrampur	Paddy, cotton , pigeon pea, maize	Paddy- Line transplanting, weed infestation, blast disease, BPH attack, stem borer, mechanization, distress sale, drought, water scarcity Cotton- weed problem, mealy bug, boll worm Pigeonpea- local variety, weed infestation, INM, Rhizobium culture, sterility mosaic virus, pod and shoot borer Maize- INM, weed infestation	Improved production technology in pulses Integrated Pest Management and Integrated Disease Management in Paddy, Maize, Cotton
20.	Gunupur	Ramnaguda	Bhamini	Paddy, cotton , pigeon pea, maize	Paddy- Line transplanting, weed infestation, blast disease, BPH attack, stem borer, mechanization, distress sale, drought, water scarcity Cotton- weed problem, mealy bug, boll worm Pigeonpea- local variety, weed infestation, INM, Rhizobium culture, sterility mosaic virus, pod and shoot borer Maize- INM, weed infestation	Improved production technology in pulses Integrated Pest Management and Integrated Disease Management in Paddy, Maize, Cotton
21.	Gunupur	Gunupur	Bhaleri kudia	Paddy, cotton , pigeon pea	Paddy- Line transplanting, weed infestation, blast disease, BPH attack, stem borer, mechanization, distress sale, drought, water scarcity Cotton- weed problem, mealy bug, boll worm Pigeonpea- local variety, weed infestation, INM, Rhizobium culture, sterility mosaic virus, pod and shoot borer	Improved production technology in pulses Integrated Pest Management and Integrated Disease Management in Paddy, Cotton, pigeon pea
22.	Gunupur	Gunupur	Dandaguda	Paddy, cotton , pigeon pea, groundnut	Paddy- Line transplanting, weed infestation, blast disease, BPH attack, stem borer, mechanization, distress sale, drought, water scarcity Cotton- weed problem, mealy bug, boll worm Pigeonpea- local variety, weed infestation, INM, Rhizobium culture, sterility mosaic virus, pod and shoot borer Groundnut – INM, collar rot, defoliation, high yielding variety, availability of seed	Improved production technology in oilseeds and pulses

23.	Gunupur	Ramnaguda	Bangi	Paddy, cotton , pigeon pea, groundnut	Paddy- Line transplanting, weed infestation, blast disease, BPH attack, stem borer, mechanization, distress sale, drought, water scarcity Cotton- weed problem, mealy bug, boll worm Pigeonpea- local variety, weed infestation, INM, Rhizobium culture, sterility mosaic virus, pod and shoot borer, drought, water scarcity Groundnut – INM, collar rot, defoliation, high yielding variety, availability of seed	Improved production technology in oilseeds and pulses Integrated Pest Management and Integrated Disease Management in Paddy, cotton, pigeon pea
24.	Gunupur	Ramnaguda	Gumunda	Paddy, cotton , pigeon pea, Mushroom production	Paddy- Line transplanting, weed infestation, blast disease, BPH attack, stem borer, mechanization, distress sale, drought, water scarcity Cotton- weed problem, mealy bug, boll worm Pigeonpea- local variety, weed infestation Mushroom production- availability of strain, availability of spawn, sanitation problem, disease, skill of production	Improved production technology in pulses Integrated Pest Management and Integrated Disease Management in Paddy, cotton, pigeon pea
25.	Gunupur	Gunupur	Putasingh	Paddy, cotton , pigeon pea, maize	Paddy- Line transplanting, weed infestation, blast disease, BPH attack, stem borer, mechanization, distress sale, drought, water scarcity Cotton- weed problem, mealy bug, boll worm Pigeonpea- local variety, weed infestation, INM, Rhizobium culture, sterility mosaic virus, pod and shoot borer Maize- INM, weed infestation	Improved production technology in pulses Integrated Pest Management and Integrated Disease Management in Paddy, cotton, pigeon pea, maize
26.	Gunupur	Gunupur	Nuagaon	Paddy, cotton , pigeon pea	Paddy- Line transplanting, weed infestation, blast disease, BPH attack, stem borer, mechanization, distress sale, drought, water scarcity Cotton- weed problem, mealy bug, boll worm Pigeonpea- local variety, weed infestation, INM, Rhizobium culture, sterility mosaic virus, pod and shoot borer	Improved production technology in pulses
27.	Gunupur	Gunupur	Talana	Paddy, cotton , pigeon pea	Paddy- Line transplanting, weed infestation, blast disease, BPH attack, stem borer, mechanization, distress sale, drought, water scarcity Cotton- weed problem, mealy bug, boll worm Pigeonpea- local variety, weed infestation, INM, Rhizobium culture, sterility mosaic virus, pod and shoot borer	Integrated Pest Management and Integrated Disease Management in Paddy, cotton, pigeon pea Improved production technology in pulses

28.	Gunupur	Gunupur	Bagsala	Paddy, cotton , pigeon pea, maize	Paddy- Line transplanting, weed infestation, blast disease, BPH attack, stem borer, mechanization, distress sale, drought, water scarcity Cotton- weed problem, mealy bug, boll worm Pigeonpea- local variety, weed infestation, INM, Rhizobium culture, sterility mosaic virus, pod and shoot borer Maize- INM, weed infestation	Improved production technology in pulses Integrated Pest Management and Integrated Disease Management in Paddy, cotton, pigeon pea
29.	Gunupur	Padmapur	Khilapadar	Paddy, cotton, maize	Paddy- Line transplanting, weed infestation, blast disease, BPH attack, stem borer, mechanization, distress sale, drought, water scarcity Cotton- weed problem, mealy bug, boll worm Maize- INM, weed infestation	Integrated Pest Management and Integrated Disease Management in Paddy, cotton, pigeon pea
30.	Gunupur	Ramnaguda	Srirampur	Paddy, cotton , pigeon pea	Paddy- Line transplanting, weed infestation, blast disease, BPH attack, stem borer, mechanization, distress sale, drought, water scarcity Cotton- weed problem, mealy bug, boll worm Pigeonpea- local variety, weed infestation, INM, Rhizobium culture, sterility mosaic virus, pod and shoot borer	Integrated Pest Management and Integrated Disease Management Paddy, cotton , pigeon pea Improved production technology in pulses
31.	Gunupur	Gudari	Bentiguda	Paddy, cotton , pigeon pea	Paddy- Line transplanting, weed infestation, blast disease, BPH attack, stem borer, mechanization, distress sale, drought, water scarcity Cotton- weed problem, mealy bug, boll worm Pigeonpea- local variety, weed infestation, INM, Rhizobium culture, sterility mosaic virus, pod and shoot borer	Integrated Pest Management and Integrated Disease Management Paddy, cotton , pigeon pea Improved production technology in pulses
32.	Gunupur	Ramnaguda	Hazardangi	Paddy, cotton , pigeon pea	Paddy- Line transplanting, weed infestation, blast disease, BPH attack, stem borer, mechanization, distress sale , drought, water scarcity Cotton- weed problem, mealy bug, boll worm Pigeonpea- local variety, weed infestation, INM, Rhizobium culture, sterility mosaic virus, pod and shoot borer	Integrated Pest Management and Integrated Disease Management Paddy, cotton , pigeon pea Improved production technology in pulses

33.	Gunupur	Ramnaguda	Subai	Paddy, cotton	Paddy- Line transplanting, weed infestation, blast disease, BPH attack, stem borer, mechanization, distress sale Cotton- weed problem, mealy bug, boll worm	Integrated Pest Management and Integrated Disease Management Paddy, cotton pigeon pea
34.	Gunupur	Padmapur	Indupur	Paddy, blackgram	Paddy- Line transplanting, weed infestation, blast disease, BPH attack, stem borer, mechanization, distress sale, drought, water scarcity Blackgram- local variety, availability of seeds, YMV, INM	Crop diversification Improved production technology in pulses
35.	Gunupur	Gunupur	Taramala	Paddy, cotton , pigeon pea	Paddy- Line transplanting, weed infestation, blast disease, BPH attack, stem borer, mechanization, distress sale, drought, water scarcity Cotton- weed problem, mealy bug, boll worm Pigeonpea- local variety, weed infestation, INM, Rhizobium culture, sterility mosaic virus, pod and shoot borer	Crop diversification Improved production technology in pulses
36.	Gunupur	Gunupur	Bhimpurguda	Paddy, cotton , pigeon pea, Black gram	Paddy- Line transplanting, weed infestation, blast disease, BPH attack, stem borer, drought, water scarcity Cotton- weed problem, mealy bug, boll worm Pigeonpea- local variety, weed infestation, INM, Rhizobium culture, pod and shoot borer	Crop diversification Improved production technology in pulses Integrated Pest Management and Disease Management in field crops
37.	Gunupur	Ramnaguda	Gugurupanga	Paddy, cotton, Pigeon pea, vegetables	Paddy- weed infestation, blast disease, BPH attack, stem borer, drought, water scarcity Cotton- weed problem, mealy bug, boll worm Vegetables- Sucking pest problem	Integrated Pest and Disease Management field and vegetable crops

2. c. Details of village adoption programme:

Name of the villages adopted by PC and SMS (2021-22) for its development and action plan

Name of village	Block	Action taken for development
Pradhaniguda	Gunupur	Conducted FLD, CFLD, OFT, training (farmers/ farm women/rural youth), field day and other extension activities , Swachha Bharat programme
Sanahuma	Gudari	Conducted FLD, CFLD, OFT, training (farmers/ farm women/rural youth), field day and other extension activities, Swachha Bharat programme
Rupapadar	Gunupur	Conducted FLD, CFLD, OFT, training (farmers/ farm women/rural youth), field day and other extension activities, Swachha Bharat programme
Nilamguda	Ramnaguda	Conducted FLD, CFLD, OFT, training (farmers/ farm women/rural youth), field day and other extension activities, Swachha Bharat programme
Podosing	Gunupur	Conducted FLD, CFLD, OFT, training (farmers/ farm women/rural youth), field day and other extension activities, Swachha Bharat programme

2.1 Priority thrust areas

S. No	Thrust area
1.	Management of problematic soil
2.	Crop diversification
3.	Integrated Nutrient Management
4.	Integrated Pest Management
5.	Integrated Disease Management
6.	Farm Mechanization
7.	Intercropping of different crops
8.	Bio-control of insects and pests
9.	Weed management in field crops
10.	Crop Production Technology
11.	Seed production technology
12.	Management of horticultural crops
13.	Post harvest Technology
14.	Processing and value addition
15.	Nursery raising technique
16.	Entrepreneurial development

17.	Income generating activities
18.	Organic farming
19.	Promotion of Small scale agro-industries
20.	Water harvesting technology for moisture conservation
21.	Development of kitchen garden for nutritional security
22.	Production of organic inputs

3. TECHNICAL ACHIEVEMENTS

3.A. Details of target and achievement of mandatory activities by KVK during the year

OFT												FLD										
No. of technologies tested:												No. of technologies demonstrated:										
Number of OFTs		Number of farmers										Number of FLDs		Number of farmers								
Target	Achievement	Target	Achievement									Target	Achievement	Target	Achievement							
			SC		ST		Others		Total						SC		ST		Others		Total		
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
9	8	56	5	2	21	14	11	3	37	22	59	16	14	170	13	4	60	38	22	3	95	45	140

Training											Extension activities										
Number of Courses		Number of Participants									Number of activities		Number of participants								
Target	Achievement	Target	Achievement								Target	Achievement	Target	Achievement							
			SC		ST		Others		Total						SC		ST		Others		Total	
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
101	76	2525	135	51	787	418	314	195	1236	664	1805	1110	1090	24000	1557	954	8308	5372	3117	2185	12982	8511	22317

Impact of capacity building											Impact of Extension activities									
Number of Participants trained		Number of Trainees got employment (self/ wage/ entrepreneur/ engaged as skilled manpower)									Number of Participants attended		Number of participants got employment (self/ wage/ entrepreneur/ engaged as skilled manpower)							
Target	Achievement	SC		ST		Others		Total			Target	Achievement	SC		ST		Others		Total	
		M	F	M	F	M	F	M	F	T			M	F	M	F	M	F	M	F	T
240	180	4	2	23	10	12	3	39	15	54	24000	22317	357	18	52	123	51	167	576	192	768

Seed production (q)		Planting material (in Lakh)	
Target	Achievement	Target	Achievement
205.0	171.24	43000	38430

Livestock strains and fish fingerlings produced (in lakh)*		Soil, water, plant, manures samples tested (in lakh)	
Target	Achievement	Target	Achievement
-	-	300	202

* Give no. only in case of fish fingerlings

Publication by KVKs							
Item	Number	No. circulated	No. of Research papers in NAAS rated Journals	Highest NAAS rating of any publication	Average NAAS rating of the publications	Details of awarded publication, if any	Details of Award given to the publication
Research paper	2	-					
Seminar/conference/ symposia papers							
Books	5	250					
Bulletins							
News letter	1	500					
Popular Articles							
Book Chapter							
Extension Pamphlets/ literature							
Technical reports	45	-					

Electronic Publication (CD/DVD etc)							
TOTAL							

1 Achievements on technologies assessed and refined

OFT-1

1.	Title of On farm Trial	Assessment on rice varieties in rain-fed medium land
2.	Problem diagnosed	Low yield due to blast, sheath blight, leaf folder and sucking pest
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO1- Var. Kalinga Dhan 1205, Duration: 135-140 days; medium slender grains; moderately resistant to LB, BLB and BS, yield-5.3 t/ha TO2- Var. Kalinga Dhan 1203, Duration: 135-140 days; medium slender grains; moderately resistant to sheath blight, BPH and leaf folder, yield-5.4 t/ha
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	NRRI annual report 2014-15
5.	Production system and thematic area	Varietal evaluation
6.	Performance of the Technology with performance indicators	Plant height(PH), ear bearing tillers(EBT)/plant, grains/panicle, 1000 grain weight
7.	Final recommendation for micro level situation	Medium duration rice var. Kalinga Dhan 1203 gives 11.2% higher yield than var. MTU 1001, suitable for rain-fed medium land, maturity: 130-135 days and resistant to sheath blight, BPH and leaf folder.
8.	Constraints identified and feedback for research	Less fertility percentage and not eye catching at maturity stage.
9.	Process of farmers participation and their reaction	Farmers prefers this variety due to its duration (medium) and high yield which is suitable for medium land.

Thematic area:

Problem definition: Low yield due to blast, sheath blight, leaf folder and sucking pest

Technology assessed: Assessment on rice varieties in rain-fed medium land

OFT-2

1.	Title of On farm Trial	Assessment of sucking pest management in chilli
2.	Problem diagnosed	Low yield due to sucking pest
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO1-Foliar spray of Spiromesifen 22.9% SC @400 ml/ha effectively lowered incidence of pests, with least reduction in population of beneficial insects and increase yield. TO2- Seed treatment with Imidachloprid 600FS @ 5ml /kg seed and foliar spraying of Spiromesifen 22.9%SC @ 0.8 ml/ l of water twice at 30 and 45 DAT can significantly reduce the incidence of sucking pest complex (thrips and mite) in chilli.
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	RRTTS, Bhubaneswar 2016
5.	Production system and thematic area	Integrated Pest Management
6.	Performance of the Technology with performance indicators	No. affected plants/sq.mt., % of pest infestation
7.	Final recommendation for micro level situation	Seed treatment with Imidachloprid 600FS and foliar spraying of Spiromesifen 22.9%SC can significantly reduce the incidence of sucking pest complex (thrips and mite) in chilli with 29.5% more yield recorded as compared to farmers' practice.
8.	Constraints identified and feedback for research	More no. of farmers are facing this problems.
9.	Process of farmers participation and their reaction	Farmers have involved directly by using these technologies and interested to spreading these technologies to other farmers.

Thematic area:

Problem definition: Low yield due to sucking pest

Technology assessed: Assessment of sucking pest management in chilli

OFT-3: Continuing

1.	Title of On farm Trial	Assessment of weed management in onion.
2.	Problem diagnosed	Low yield due to weed infestation and manual weeding is labour intensive.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO1- Application of Oxyflurofen 23.5 EC @ 2 ml/lt with one manual weeding at 40-60 DAT. TO2- Combined spray of Oxyflurofen 23.5 EC @1 ml/lt and Quazalfop ethyl 5 EC 1.75ml/lt as pre-emergence spray.
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	SLREC Proceedings 2019-20
5.	Production system and thematic area	Integrated Weed Management
6.	Performance of the Technology with performance indicators	No. of weeds/sq. mt, weed dry wt/sq. mt
7.	Final recommendation for micro level situation	Oxyflurofen 23.5 EC @ 2 ml/lt with one manual weeding at 40-60 DAT reduced weed population and WCE is high.
8.	Constraints identified and feedback for research	-
9.	Process of farmers participation and their reaction	-

Thematic area:

Problem definition: Low yield due to weed infestation and manual weeding is labour intensive.

Technology assessed: Assessment of weed management in onion.

OFT-4 : Continuing

1.	Title of On farm Trial	Assessment of Poultry breed in Backyard
2.	Problem diagnosed	Low Income from rearing poultry breed
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	T O1 - Backyard rearing of Poultry breed "Vezaguda". T O2 - Backyard rearing of Poultry breed "RIR".
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	CARI, 2015
5.	Production system and thematic area	Backyard
6.	Performance of the Technology with performance indicators	Egg per year, ABW
7.	Final recommendation for micro level situation	-
8.	Constraints identified and feedback for research	-
9.	Process of farmers participation and their reaction	-

Thematic area:

Problem definition: Low Income from rearing poultry breed

Technology assessed: Assessment of Poultry breed in Backyard

OFT-5

1.	Title of on farm Trial	Assessment of different chemicals for controlling competitor moulds in paddy straw mushroom
2.	Problem diagnosed	Low yield of paddy straw mushroom due to moulds attack
3.	Details of technologies selected for assessment/refinement	TO1- Pre- soaking of the paddy straw bundle with 0.02% of Bleaching powder TO2- Pre-soaking of the paddy straw bundle with Calcium carbonate to control competitor moulds growth like Coprinus spp., Aspergillus spp. etc
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	Source : AICRP on Mushroom CTMRT 2014

5.	Production system and thematic area	Home stead
6.	Performance of the Technology with performance indicators	Pin head appearance(days), Days of first flush, Average fruit body wt, Biological efficiency%, infected bed%
7.	Final recommendation for micro level situation	Being a low cost technology can be adopted by resource poor mushroom farmers.
8.	Constraints identified and feedback for research	Farmers cultivated paddy straw mushroom in existing method and no management of moulds but trial on pre- soaking of the paddy straw bundle with 1.0% Calcium carbonate gives more yield than farmers practices
9.	Process of farmers participation and their reaction	Seven farmers have been participated in this trial and they are highly accepted this technology to pre- soaking of the paddy straw bundle with 1.0% Calcium carbonate for paddy straw mushroom production.

Thematic area: Home stead

Problem definition: Low yield of paddy straw mushroom due to moulds attack

Technology assessed: Assessment of different chemicals for controlling competitor moulds in paddy straw mushroom.

OFT-6

1.	Title of On farm Trial	Assessment of Wet Land Power Weeder in Paddy
2.	Problem diagnosed	Labour intensive, Drudgery prone and time consuming operation in manual weeding
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	T O1 - Mandwa Weeder T O2 - Wet Land Power Weeder
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	TO1- Mandwa Weeder :AICRP on ESA, CAET, OUAT, 2011 TO2- Wet Land Power Weeder :AICRP on FIM, CAET, OUAT , 2013
5.	Production system and thematic area	Farm Mechanization
6.	Performance of the Technology with performance indicators	Field capacity (ha/h), Cost saving(%), Labour saving(%), Yield(q/ha),weeding efficiency(%), Net return(Rs./ha), B:C ratio
7.	Final recommendation for micro level situation	There is requirement of 2MD/ha for weeding by Power weeder instead of 20MD/ha for conventional method to reduce weeding cost, time consuming and drudgery.

8.	Constraints identified and feedback for research	-
9.	Process of farmers participation and their reaction	Performance of this equipment was appreciated by the farmers and are interested to adopt this equipment.

Thematic area:

Problem definition: Labour intensive, Drudgery prone and time consuming operation in manual weeding
Technology assessed: Assessment of Wet Land Power Weeder in Paddy

OFT-7

1.	Title of On farm Trial	Assessment of power operated OUAT maize dehusker cum sheller
2.	Problem diagnosed	Labour intensive, Drudgery prone and time consuming operation in manual shelling
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	T O1 - Hand operated maize sheller T O2 - Power operated OUAT maize dehusker cum sheller
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	TO1- ICAR,CIWA, 2016-17 TO2- AICRP ON FIM CAET, OUAT, 2018-19
5.	Production system and thematic area	Farm Mechanization
6.	Performance of the Technology with performance indicators	Capacity(kg/h), Shelling efficiency(%), cleaning efficiency(%), Cost saving(%),Labour saving(%), Net return(Rs./ha), B:C ratio
7.	Final recommendation for micro level situation	There is requirement of 6MD/ha for dehusking cum shelling by Power operated OUAT maize dehusker cum sheller instead of 26MD/ha for conventional method to reduce dehusking cum shelling cost, time consuming .
8.	Constraints identified and feedback for research	-
9.	Process of farmers participation and their reaction	Performance of this equipment was appreciated by the farmers and are interested to adopt this equipment.

Thematic area:

Problem definition: Labour intensive, Drudgery prone and time consuming operation in manual shelling
Technology assessed: Assessment of power operated OUAT maize dehusker cum sheller

OFT-8

1.	Title of On farm Trial	Assessment of different planting times for better market price of tomato
2.	Problem diagnosed	Lack of awareness in planting time with market price estimation
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO1- Planting of seedlings 30 days before onset of normal planting period. TO2- Planting of seedlings 30 days after completion of normal planting period.
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	OUAT, 2015
5.	Production system and thematic area	Enterprise development
6.	Performance of the Technology with performance indicators	No. of fruits /plant, fruit weight and market price.
7.	Final recommendation for micro level situation	From the above trial it is being observed that TO1 fetching with high market price as compared to TO2 and FP.
8.	Constraints identified and feedback for research	Release of suitable off season tomato variety.
9.	Process of farmers participation and their reaction	Farmers have involved directly by using these technologies and interested to spreading these technologies to other farmers.

Thematic area:

Problem definition: Lack of awareness in planting time with market price estimation.

Technology assessed: Assessment of different planting times for better market price of tomato.

Table:

Technology option	No. of trials	Yield component			Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of effective tillers/hill	No. of spikelet per panicle	Test wt. (100 grain wt.)						
Assessment on rice varieties in rain-fed medium land	7	FP-9.2 TO1- 10.5 TO2-12.4	FP-131.1 TO1- 167.4 TO2-181.2	FP-2.45 TO1- 2.47 TO2-2.93	-	FP-42.5 TO1-45.87 TO2-47.25	FP-56000 TO1-56000 TO2-56000	FP-86700 TO1-93574 TO2-96390	FP-29700 TO1-36574 TO2-39390	FP-1.52 TO1-1.64 TO2-1.69
Assessment of sucking pest management in chilli.	7	-	-	-	No. of affected plants/sq. mt., % of pest infestation FP-4, 44 TO1-1, 12 TO2-0.5, 6	FP- 89.75 TO1-112.5 TO2-116.25	FP-112000 TO1-112000 TO2-112500	FP-314125 TO1-393750 TO2-406875	FP- 202125 TO1-281750 TO2-294375	FP-2.8 TO1-3.52 TO2-3.62
Assessment of weed management in onion.		Continuing								
Assessment of Poultry breed in Backyard	7	Continuing								
Assessment of different chemicals for controlling	7 (70 beds)	Intensity of coprinus	Pin head appearance (days)		Biological Efficiency FP-10 TO1-11.5	Kg/bed FP- 1.1 TO1- 1.2 TO2- 1.4	Rs./bed FP-60 TO1-60 TO2-60	Rs./bed FP- 198 TO1- 216 TO2-252	Rs./bed FP-62 TO1-72 TO2-96	FP-1.8 TO1-2.0 TO2-2.3

competitor moulds in paddy straw mushroom		spp.(%) FP-32 TO1- 22 TO2-10	FP-8 TO1-8 TO2-9		TO2-13.5					
Assessment of Wet Land Power Weeder in Paddy	7	-	Field capacity (ha/hr.) FP- 0.006 TO1- 0.013 TO2- 0.076	Weeding efficiency FP-0.89 TO1-0.86 TO2-0.93	-	FP-44.8 TO1-45.0 TO2-46.1	FP-66862 TO1-65796 TO2-62294	FP-91392 TO1-91800 TO2-94044	FP-24530.00 TO1-26004.00 TO2-31750.00	FP-1.36 TO1-1.39 TO2-1.50
Assessment of power operated OUAT maize dehusker cum sheller	7	-	Capacity (kg/hr.) FP- 21 TO1- 45 TO2- 92	Cleaning efficiency (%) FP-98 TO1-95 TO2-97	-	FP-42.7 TO1-42.7 TO2- 42.7	FP-46160 TO1-42700 TO2-40600	FP-85400 TO1-85400 TO2-85400	FP-39240.00 TO1-42700.00 TO2-44800.00	FP-1.85 TO1-2.00 TO2-2.10
Assessment of different planting times for better market price of tomato	7	-	-	-	-	FP- 382.6 TO1-398.4 TO2-418.2	FP- 90700 TO1-105000 TO2-97600	FP-371122 TO1-498000 TO2-451656	FP- 280422 TO1-393000 TO2-354056	FP- 4.09 TO1-4.74 TO2-4.62

Results:

Please provide all the OFTs in same format

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	Varietal evaluation	Demonstration on short duration rice variety Santha Bhima (CR Dhan 102) in rain-fed uplands Duration -105-110 days, moderately resistant to leaf blast, rice tungro disease, stem borer, leaf folder and whorl maggot, yield- 3.9 t/ha	2.0	2.0	-	-	10	-	-	-	10		10	
2.	Rice	Integrated Disease Management	Demonstration on sheath blight management in rice Spraying of the combination fungicide Azoxystrobin+ difenconazole @ 1ml/l twice at 15 days interval starting from initiation of the infection was most effective to control sheath blight without any phytotoxicity and recorded highest yield	2.0	2.0	2	-	5	2	1	-	9	1	10	

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	Rainfed, Medium land, (Rice – fallow)	Sandy clay	177.5	8.6	446.4	Fallow	14.07.2021	11.11.2021	779	122
Rice	Kharif	Rainfed medium land	Sandy clay	177.5	8.6	446.4	Fallow	28.06.2021	24.11.2021	779	122

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
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

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
Pigeon pea	IPM	Demonstration on pod borer management in pigeon pea Maize as border crop, pheromone traps & helilure@20 nos./ha, Spraying of Azadiractin 0.15% @ 1.5 l/ha at 50% flowering followed by Flubendiamide 48SC @ 200ml/ha (2ml/5 litre water) at pod formation stage and Bt @ 1kg/ha (2g/litre) at 15 days intervals.	10	2.0	16.4	12.2	34	34800	103320	68520	2.97	32750	77490	44740	2.36
	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
Tomato	Varietal evaluation	Demonstration on triple resistant tomato hybrid Arka Samrat	10	1.0	Continuing												

Maize	IPM	Demonstration on management of fall armyworm (*Spodopterafrugiperda)* in Maize Dusting 1.5% D Chlorpyriphos in bund @ 25 kg/ha just after germination, need based spraying of Chloropyriphos + Cypermethrin @ 2 ml/ lit and Chlorantraniliprole 18.5% SC @ 0.4 ml/ lit, alternately at 10 days interval.	10	2.0	46000 cobs/ ha	37800 cobs /ha	21.7	No. of plant infested/ sq.mt., % of pest infestation	81000	276000	195000	3.41	77300	189000	109700	2.45
Bitter gourd	IPM	Demonstration on fruit fly management in bitter gourd	Continuing													
Paddy	Varietal evaluation	Demonstration on short duration rice variety Santha Bhima (CR Dhan 102) in rain-fed uplands	10	2.0	37.2	31.4	18.5	Plant Height(PH), Ear Bearing Tillers(EBT)/ plant, Grains/panicle, 1000 grain weight	46700	75888	29188	1.63	46700	64056	17356	1.37

		Variety- Santha Bhima (CR Dhan 102), Duration -105-110 days, moderately resistant to leaf blast, rice tungro disease, stem borer, leaf folder and whorl maggot, yield- 3.9 t/ha						118.6, 13, 175.6, 28.76	102.6, 11, 123.4, 22.9								
Paddy	IDM	Demonstration on sheath blight management in rice. Spraying of the combination fungicide Azoxystrobin+ difenconazole @ 1ml/l twice at 15 days interval starting from initiation of the infection was most effective to control sheath blight without any phytotoxicity and recorded highest yield	10	2.0	45.0	34.5	30.4	No. affected plants/sq. mt., % of disease incidence		56400	91800	35400	1.63	51700	70380	18680	1.36
								2, 6	10.3, 31								
Total																	

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
Dairy																	
Cow																	
Buffalo																	
Poultry																	
Rabbitry																	
Pigerry																	
Sheep and goat																	
Duckery																	
Others (pl.specify)																	
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

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																	
Mussels																	
Ornamental fishes																	
Others (pl. specify)																	
	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 enterprises

Category	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters (Yield)		% 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
Paddy straw mushroom	Demonstration on production of paddy straw mushroom with scrambled straw	10	50	5.7 kg/10 beds	6.8 kg/10 beds	-16.2	-	-	330/ 10 beds	1054	724	3.19	480	1258	778	2.62
Oyster mushroom	Demonstration of oyster mushroom *P. pulmonarius* in winter	10	100	2.1 kg/ bed	1.2 kg/bed	28	Biological efficiency		30/ bed	147	117/bed	4.9	30	72	42	2.4
							80	60								
Vermicompost																
Sericulture																
Apiculture																
Others (Nutritional Security)	Demonstration of nutritional garden for Improving Nutritional Security of farm family	10	10	Vegetable consumption (gm/ member/day)		75.7	Yield (Kg./ 0.002ha		4500	9370	4870	2.08	3300	5300	2000	1.60
				937	530		290	165								
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					
Pregnant women					
Adolescent Girl					
Other women					
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						Demonstration	Check		
Groundnut decorticator	Groundnut	Demonstration of use of Groundnut decorticator for drudgery reduction	10	2.0	Energy expenditure kj/min, HR beat/min, OUT PUT kg/hour		% reduction of drudgery	-	-	-	-	-	-	-	-
					18.94, 43, 31.08	9. 31, 10, 1.07	84.26								
Bullock drawn puddler	Paddy	Demonstration of bullock drawn puddler for puddling in paddy	10	2.0	Field capacity (ha/h)- 0.1	Field capacity (ha/h)- 0.02	-	4MD/ha	-	-	-	Cost of puddling 1716	Cost of puddling 4956	Cost saving 3240	
Mini dry land power weeder	Maize	Demonstration of mini dry land power weeder in maize	10	2.0	Field capacity- 0.06 ha/hr, weeding efficiency - 90-93%		-	32 MD/ ha	-	-	-	Cost of weeding- 8188	Cost of weeding - 13040	Cost saving- 4852	
Single row Vegetable Transplanter	Vegetable	Demonstration of Single row Vegetable Transplanter	10	2.0	Seedlings/hr.- 285 Labor Required -22	Seedlings/hr.- 135 Labor Required -40	-	18 MD/ ha	-	-	-	Cost incurred- 7172	Cost incurred- 13040	Cost saving- 5868	

* 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										
Paddy										
Sorghum										
Wheat										
Others (Pl. specify)										
Total										
Oilseeds										
Castor										
Mustard										
Safflower										
Sesame										
Sunflower										
Groundnut										
Soybean										
Others (Pl. specify)										
Total										
Pulses										
Green gram										
Black gram										
Bengal gram										
Red gram										
Others (Pl. specify)										

Total										
Vegetable crops										
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										

Technical Feedback on the demonstrated technologies

Sl. No	Crop	Feed Back
1.	Rice	Farmers are very much appreciated drought tolerant rice variety Santha Bhima (CR Dhan 102)
2.	Rice	Combination of Azoxystrobin+ Difenconazole was most effective to control sheath blight without any phytotoxicity and recorded 30.4 more yield than farmers' practice. Farmers are interested to apply these fungicide to manage sheath blight.
3.	Maize	FAW management dusting Chlorpyriphos 1.5% D, Chloropyriphos + Cypermethrin and Chlorantraniliprole 18.5% SC alternately at 10 days interval performed well with 21.7% more yield as compared to farmers' practice. Farmers appreciated this combination of technology for FAW management.
4.	Pigeon pea	Pod borer management in pigeon pea - Maize as border crop, pheromone traps & helilure, Spraying of Azadiractin 0.15% at 50% flowering followed by Flubendiamide 48SC at pod formation stage and Bt at 15 days intervals gives 34% more yield than farmers practice. Farmers are highly appreciated this technology.
5.	Tomato	Arka Samrat is high yielding triple disease resistant F1 hybrid, gives 33.93% higher yield with reduction in use of pesticides and fungicides due to its triple disease resistance to important diseases. Farmers prefers to grow Arka Samrat variety due to its shape (oblate to round) and higher yield.
6.	Mushroom	Farmers and farm women are happy by using the scrambled paddy straw for mushroom production as it resolved the problem of straw availability and gives high return
7.	Nutritional garden	Nutritional garden for improving nutritional security of farm family, farmers and farm women interested, as it is easy to adopt and enhanced the intake of vegetables by the family.
8.	Maize	Mini dry land Power Weeder in Maize performance of this equipment was appreciated by the farmers and are interested to adopt this equipment for its cost saving and use of less man days.

Extension and Training activities under FLD

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	27.01.22, 14.02.22, 22.03.22, 06.04.22, 18.05.22, 16.08.22, 24.08.22, 14.10.22, 15.11.22, 24.11.22, 01.12.22, 19.12.22	12	580	
2.	Farmers Training	10.01.22, 16.01.22, 02.02.22, 23.03.22, 12.04.22, 21.04.22, 04.05.22, 04.08.22, 12.08.22, 30.08.22, 14.10.22, 26.11.22, 10.11.22, 19.12.22 28.12.2022	15	375	
3.	Media coverage	24.08.22, 18.09.22, 25.10.22, 10.11.22, 06.12.22, 23.12.22, 26.12.22	7	Mass	

4.	Training for extension functionaries	24.04.22, 12.06.22, 14.11.22	3	45	

Performance of the demonstration under CFLD on Pulse and Oilseed Crops during Kharif 2022 and Rabi 2021-22:

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
1	Pigeon pea	Local (Bada Kandula)	8.4	544	120	660	High yielding variety-LRG 52, INM, IWM, IPM & IDM	75	30	14.7	13.2	14.1	1.9	46.8	-6.4
2	Black gram	Local	6.1	-160	-210	590	OBG-33 Improved variety, seed treatment with rhizobium, integrated nutrient and weed management, pest and disease management	25	10	8.4	7.3	7.9	75	97	-52

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	High yielding variety LRG-52, seed treatment with Rhizobium culture, integrated nutrient and weed management, pest and disease management	29700	55440	25740	1.87	37650	93060	55410	2.47

2	OBG-33 Improved variety, seed treatment with rhizobium, integrated nutrient and weed management, pest and disease management	23800	40260	16460	1.69	25000	52140	27140	2.08

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/house hold)
1	Pigeon pea var. LRG-52	1410	1400	66.00	10	0	Agriculture and household needs	65 MD
2	Black gram var. OBG-33	790	750	66.00	20	20	Agriculture and household needs	40 MD

D. Farmers' perception of the intervention demonstrated

Sl. No.	Technologies demonstrated (with name)	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	Use of high yielding variety (LRG 52), Seed treatment Rhizobium culture @ 200g/ 10kg seed. Integrated nutrient management by application of zinc sulphate @ 12 kg/ha and boron @ 10 kg/ha. For control of heavy weed infestation application of post-emergence herbicide Quizalofop ethyl 5% EC @ 1 lt./ha, Integrated Pest Management by application of Imidacloprid @ 140 ml/ha for control of sucking pest, Chlorpyriphos 50% + Cypermethrin 5% EC @ 1 lt./ha for control of leaf webber and Pheromonone trap with helilure @ 20 nos./ha and spraying of Azadiractin 0.15% @ 1.5 l/ha at 50% flowering followed by Flubendiamide	As rainfed upland, it is a suitable crop	Pigeon pea var. LRG-52 obtaining good yield in Rayagada district	Yes	No	Yes	Requirement of drought tolerant high yielding pigeon pea variety for improvement of farmers income

	48SC @ 200 ml/ha at pod formation stage.						
2	Improved Variety (OBG-33), Seed treatment (Rhizobium@ 20g/kg of seed), INM (N:P:K @20:40:20 kg/ha, Znso4 12 kg/ha and Boron 10 kg/ha), post emergence weedcide application (Quizalofof Ethyl 5% EC @ 1 lt./ha), spraying Acetamiprid 20%SP @ 125 g/ha for control of sucking pest and Fipronil 5% SC @ 2ml/lt. of water for control of Flee Beetle. Integrated measures to control yellow mosaic virus utilized Yellow Sticky Trap @ 20 nos./ha and spraying Thiamethoxam 25% WG @ 100 g/ha	Suitable	OBG-33 variety obtaining moderate yield in Rayagada district	Yes	No	Yes	Newly released high yielding varieties of black gram should be available regularly to the farmers for improvement

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Pigeon pea			
High yielding variety	Enhancement of yield	Enhancement of yield against local check	Pigeon pea var. LRG-52 is high yielder, intermediate, semi spreading, large seeded and moderately resistant to wilt
Seed treatment (Chemicals)	Reduce disease incidence	Reduce disease incidence against local check	
Weed control (pre-emergence herbicide)	Control of weeds	Reduce cost of cultivation and yield increase	
Plant protection measures	Reduce pest and disease incidence	Reduce pest and disease incidence against local check	
Blackgram			
High yielding variety	Enhancement of yield	Enhancement of yield against local check	Farmer observed and satisfied with the specific characteristics of the demonstrated technologies of black gram with high production potential
Seed treatment (Rhizobium)	Increase nodulation	Increase nodulation as compared to without rhizobium treatment	
Seed treatment (Chemicals)	Reduce disease incidence	Reduce disease incidence against local check	

Weed control (post emergence herbicide)	Control of weeds	Reduce cost of cultivation and yield increase	and good quality grain, bold seeded and moderately resistant against YMV
Plant protection measures	Reduce pest and disease incidence	Reduce pest and disease incidence against local check	
Seed treatment (Chemicals)	Reduce disease incidence	Reduce disease incidence against local check	
Weed control (pre-emergence herbicide)	Control of weeds	Reduce cost of cultivation and yield increase	
Plant protection measures	Reduce pest and disease incidence	Reduce pest and disease incidence against local check	

F. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1.	Pigeon pea - Field Day	20.12.2022/Chintaluguda	60
2.	Pigeon pea- Training	26.07.2022/KVK campus	25
3.	Blackgram - Field Day	04.11.2022/Pradhaniguda	25

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

CFLD on Pigeon pea at vegetative stage

CFLD on Pigeon pea at Pod formation stage

CFLD on Pigeon pea at harvesting stage

CFLD on Pigeon pea at harvesting stage

CFLD on Black gram at seedling stage

CFLD on Black gram at vegetative stage

Flowering stage of black gram

H. Farmers' training photographs


Conducted training programme

Training on IPM and IDM in blackgram at village Pradhaniguda

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


Pigeon pea field visit


Field day on pigeon pea conducted at vill-Chintaluguda

Black gram field visit

Integrated weed management in black gram

J. Details of budget utilization

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Pigeon pea var. LRG-52	i) Critical input	246000.00	246000.00	Nil
	ii) TA/DA/POL etc. for monitoring	9000.00	9000.00	Nil
	iii) Extension Activities (Field day)	7500.00	7500.00	Nil
	iv)Publication of literature	7500.00	7500.00	Nil
	Total	**270000.00**	**270000.00**	
Blackgram var. OBG-33	i) Critical input	82000.00	82000.00	Nil
	ii) TA/DA/POL etc. for monitoring	3000.00	3000.00	Nil
	iii) Extension Activities (Field day)	2500.00	2500.00	Nil
	iv)Publication of literature	2500.00	2500.00	Nil
	Total	**90000.00**	**90000.00**	

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													
Micro irrigation/irrigation													
Seed production													
Nursery management													
Integrated Crop Management													
Soil & water conservation													
Integrated nutrient Management													
Production of organic inputs													
Others													
Total													
II. Horticulture													
a) Vegetable Crops													
Production of low volume and high value crops													
Off season vegetables	1	5	3	8	3	2	5	8	4	17	16	9	25
Nursery raising													
Exotic vegetables													
Export potential vegetables													
Grading and standardization													
Protective cultivation													
Others													
Enterprise development through fruit and vegetable crops	1	3	2	5	3	2	5	9	6	15	15	10	25
Total (a)	**2**	**8**	**5**	**13**	**6**	**4**	**10**	**17**	**10**	**32**	**31**	**19**	**50**
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													
Others													
Total (b)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others													
Total (c)													
d) Plantation crops													
Production and Management technology													
Processing and value addition													

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													
Total (d)													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others													
Total (e)													
f) Spices													
Production and Management technology													
Processing and value addition													
Others													
Total (f)													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others													
Total (g)													
Total(a-g)													
III. Soil Health and Fertility Management													
Soil fertility management													
Integrated water management													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Balance Use of fertilizer													
Soil & water testing													
others													
Total													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Animal Nutrition Management													
Disease Management													
Feed & fodder technologies													
Production of quality animal products													
Others													
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													

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
processing													
Processing & cooking													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Value addition													
Women empowerment													
Location specific drudgery reduction technologies													
Rural Crafts													
Women and child care													
Others													
Total													
VI. Agril. Engineering													
Farm machinery & its maintenance	3	16	6	22	6	3	9	35	9	53	57	18	75
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	3	13	6	19	7	3	10	28	18	56	48	27	75
Small scale processing and value addition													
Post Harvest Technology													
Others													
Total	**6**	**29**	**12**	**41**	**13**	**6**	**19**	**63**	**27**	**109**	**105**	**45**	**150**
VII. Plant Protection													
Integrated Pest Management	3	6	1	7	11	3	14	42	12	54	59	16	75
Integrated Disease Management	2	17	8	25	4	1	5	13	6	19	34	16	49
Biocontrol of pests and diseases													
Production of bio control agents and bio pesticides													
Others													
Total	**5**	**23**	**9**	**32**	**15**	**4**	**19**	**55**	**18**	**73**	**93**	**32**	**124**
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture													
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													
Total													
IX. Production of Input at site													
Seed Production													
Planting material production													

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
Bio0agents production													
Bio0pesticides production													
Bio0fertilizer production													
Vermi0compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee0colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Mushroom production													
Apiculture													
Others													
Total													
X. Capacity Building and Group Dynamics													
Leadership development	1	6	2	8	2	1	3	11	3	17	19	6	25
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others													
Use of organic manure and bio-fertilizer for improving crop productivity	1	4	2	6	4	0	4	12	3	19	20	5	25
Production and use of organic manure	1	6	1	7	4	1	5	9	4	18	19	6	25
Importance of organic farming in agriculture	1	5	2	7	4	1	5	10	3	18	19	6	25
Total	**4**	**21**	**7**	**28**	**14**	**3**	**17**	**42**	**13**	**72**	**77**	**23**	**100**
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL													

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
Nursery Management of Horticulture crops	1	3	2	5	4		4	9	2	11	16	4	20
Training and pruning of orchards													
Protected cultivation of vegetable crops													
Commercial fruit production													
Integrated farming	1	4	1	5	2	1	3	9	3	12	15	5	20
Seed production													
Production of organic inputs													
Planting material production													

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
Vermiculture													
Mushroom cultivation and mushroom spawn production	2	-	-	-	-	-	-	28	2	30	28	2	30
Beekeeping													
Sericulture													
Repair and maintenance of farm machinery and implements	2	12	1	13	9	2	11	19	7	37	40	10	50
Value addition													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production	1	3	3	6	2	2	4	5	10	15	10	15	25
Ornamental fisheries													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Others													
Integrated Pest and Disease Management	3	11	0	11	14	4	18	35	11	46	60	15	75
Entrepreneurship development of rural youth	1	6	2	8	2	1	3	10	4	14	18	7	25
Use of different ICT tools for transfer of technology in agriculture and allied sector	1	5	1	6	4	1	5	10	4	14	19	6	25
Total	12	44	10	54	37	11	48	125	43	179	206	64	270

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	9	3	12	4	1	5	2	1	3	15	5	20
Integrated Pest Management	2	17	6	23	3	2	5	5	2	7	24	11	35
Integrated Nutrient management	1	5	3	8	1	1	2	3	2	5	9	6	15
Rejuvenation of old orchards													
Protected cultivation technology													
Production and use of organic inputs													
Care and maintenance of farm machinery and implements	2	18	6	24	5	1	6	3	2	5	26	9	35
Gender mainstreaming through SHGs													
Formation and Management of SHGs													
Women and Child care													
Low cost and nutrient efficient diet designing													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Other													
Total	6	49	18	67	13	5	18	13	7	20	74	31	105

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													
Crop Diversification													
Integrated Farming													
Micro irrigation/irrigation													
Seed production													
Nursery management													
Integrated Crop Management	2	12	2	14	6	2	8	19	9	36	37	13	50
Soil & water conservation													
Integrated nutrient Management													
Production of organic inputs													
Others (Production and use of azolla)	1	4	3	7	2	1	3	8	7	15	14	11	25
Total	**3**	**16**	**5**	**21**	**8**	**3**	**11**	**27**	**16**	**51**	**51**	**24**	**75**
II. Horticulture													
a) Vegetable Crops													
Production of low volume and high value crops													
Off season vegetables													
Nursery raising													
Exotic vegetables													

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
Export potential vegetables													
Grading and standardization													
Protective cultivation													
Others													
Package and practices in high value vegetable cultivation	1	5	4	9	3	1	4	7	5	16	15	10	25
Integrated Nutrient management in cabbage	1	6	2	8	4	1	5	10	2	15	20	5	25
Total (a)	**2**	**11**	**6**	**17**	**7**	**2**	**9**	**17**	**7**	**31**	**35**	**15**	**50**
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													
Others													
Total (b)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others													
Total (c)													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others													
Total (d)													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others													
Total (e)													
f) Spices													
Production and Management technology													
Processing and value addition													
Others													
Total (f)													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others													
Total (g)													
Total(a-g)													
III. Soil Health and Fertility													

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
Management													
Soil fertility management													
Integrated water management													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency	1	5	2	7	2	1	3	10	5	15	17	8	25
Balance Use of fertilizer													
Soil & water testing													
others													
Total	**1**	**5**	**2**	**7**	**2**	**1**	**3**	**10**	**5**	**15**	**17**	**8**	**25**
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Animal Nutrition Management													
Disease Management													
Feed & fodder technologies													
Production of quality animal products													
Others													
Total													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	2							20	30	50	20	30	50
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Processing & cooking													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Value addition	1							-	25	25	-	25	25
Women empowerment													
Location specific drudgery reduction technologies	1							-	25	25	-	25	25
Rural Crafts													
Women and child care													
Others Mushroom cultivation (oyster and paddy straw), Household pest management, livelihood security through secondary agriculture	6	3	-	3	-	-	-	12	135	147	15	135	150
Total	**10**	**3**		**3**				**32**	**215**	**247**	**35**	**215**	**250**
VI. Agril. Engineering													
Farm machinery & its maintenance	4	20	11	31	12	4	16	35	18	53	67	33	100
Installation and maintenance of micro irrigation systems	4	22	8	30	9	4	13	38	19	65	69	31	100
Use of Plastics in farming practices													
Production of small tools and													

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
implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others													
Total	8	42	19	61	21	8	29	73	37	118	136	64	200
VII. Plant Protection													
Integrated Pest Management	4	12	1	13	16	9	25	38	28	66	62	38	100
Integrated Disease Management	4	12	7	19	16	4	20	40	21	61	68	32	100
Biocontrol of pests and diseases													
Production of bio control agents and bio pesticides													
Others													
Total	**8**	**24**	**8**	**32**	**32**	**13**	**45**	**78**	**49**	**127**	**130**	**70**	**200**
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture													
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													
Total													
IX. Production of Input 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													
Mushroom production													
Apiculture													
Others													
Total													
X. Capacity Building and Group Dynamics													

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
Leadership development													
Group dynamics													
Formation and Management of SHGs	1	0	7	7	0	3	3	0	15	15	0	25	25
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others													
Management of FPO	1	8	2	10	2	1	3	8	4	15	18	7	25
Rain water harvesting and water conservation	1	4	3	7	3	2	5	9	4	18	16	9	25
Production of paddy straw mushroom by using scrambled straw	1	2	3	5	0	3	3	3	14	20	5	20	25
Income generating activities for farmer and women	1	4	2	6	2	1	3	9	7	19	15	10	25
Vermicompost production	1	6	2	8	4	2	6	8	3	17	18	7	25
Total	**6**	**24**	**19**	**43**	**11**	**12**	**23**	**37**	**47**	**104**	**72**	**78**	**150**
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL													

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
Nursery Management of Horticulture crops											14	6	20
Training and pruning of orchards													
Protected cultivation of vegetable crops													
Commercial fruit production													
Integrated farming													
Seed production													
Production of organic inputs													
Planting material production													
Vermiculture													
Mushroom Production													
Beekeeping													
Sericulture													
Repair and maintenance of farm machinery and implements													
Value addition													
Small scale processing													
Post Harvest Technology													

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
Tailoring and Stitching													
Rural Crafts													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Others													
Integrated weed management in oilseed crop	1	3	1	4	3	1	4	8	4	12	14	6	20
Problematic soil health management	1	4	2	6	2	1	3	8	3	11	14	6	20
Total	2	7	3	10	5	2	7	16	7	23	28	12	40

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													
Production and use of organic inputs													
Care and maintenance of farm machinery and implements													
Gender mainstreaming through SHGs													
Formation and Management of SHGs													
Women and Child care													

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
Low cost and nutrient efficient diet designing													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Management in farm animals													
Livestock feed and fodder production													
Household food security	1							1	15	16	1	15	16
Other													
Total	1							1	15	16	1	15	16

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													
Crop Diversification													
Integrated Farming													
Micro irrigation/irrigation													
Seed production													
Nursery management													
Integrated Crop Management	2	12	2	14	6	2	8	19	9	28	37	13	50
Soil & water conservation													
Integrated nutrient Management													
Production of organic inputs													
Others (Production and use of azolla)	1	4	3	7	2	1	3	8	7	15	14	11	25
Total	**3**	**16**	**5**	**21**	**8**	**3**	**11**	**27**	**16**	**43**	**51**	**24**	**75**
II. Horticulture													
a) Vegetable Crops													
Production of low volume and high value crops													
Off-season vegetables	1	5	3	8	3	2	5	12	12	24	16	9	25
Nursery raising													
Exotic vegetables													
Export potential vegetables													
Grading and standardization													
Protective cultivation													
Others													
Enterprise development through fruit and vegetable crops	1	3	2	5	3	2	5	15	15	30	15	10	25
Package and practices in high value vegetable cultivation	1	5	4	9	3	1	4	12	12	24	15	10	25
Integrated Nutrient management in cabbage	1	6	2	8	4	1	5	12	12	24	20	5	25

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 (a)	4	19	11	30	9	6	14	38	17	55	66	34	100
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													
Others													
Total (b)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others													
Total (c)													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others													
Total (d)													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others													
Total (e)													
f) Spices													
Production and Management technology													
Processing and value addition													
Others													
Total (f)													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others													
Total (g)													
Total(a-g)													
III. Soil Health and Fertility Management													
Soil fertility management													
Integrated water management													
Integrated Nutrient 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
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency	1	5	2	7	2	1	3	10	5	15	17	8	25
Balance Use of fertilizer													
Soil & water testing													
others													
Total	**1**	**5**	**2**	**7**	**2**	**1**	**3**	**10**	**5**	**15**	**17**	**8**	**25**
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Animal Nutrition Management													
Disease Management													
Feed & fodder technologies													
Production of quality animal products													
Others													
Total													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	2							20	30	50	20	30	50
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Processing & cooking													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Value addition	1							-	25	25	-	25	25
Women empowerment													
Location specific drudgery reduction technologies	1							-	25	25	-	25	25
Rural Crafts													
Women and child care													
Others	6	3	-	3	-	-	-	12	135	147	15	135	150
Total	**10**	**3**		**3**				**32**	**215**	**247**	**35**	**215**	**250**
VI. Agril. Engineering													
Farm machinery & its maintenance	8	42	19	61	21	8	29	73	37	110	136	64	200
Installation and maintenance of micro irrigation systems	1	5	1	6	4	1	5	12	2	14	21	4	25
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements	5	22	11	33	10	5	15	46	31	77	78	47	125
Small scale processing and value addition													

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
Post Harvest Technology													
Others													
Total	**14**	**69**	**31**	**100**	**35**	**14**	**49**	**131**	**70**	**201**	**235**	**115**	**350**
VII. Plant Protection													
Integrated Pest Management	7	18	2	20	27	12	39	80	40	120	121	54	175
Integrated Disease Management	6	29	15	44	20	5	25	53	27	80	102	48	149
Biocontrol of pests and diseases													
Production of bio control agents and bio pesticides													
Others													
Total	**13**	**47**	**17**	**64**	**47**	**17**	**64**	**133**	**67**	**200**	**223**	**102**	**324**
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture													
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													
Total													
IX. Production of Input 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													
Mushroom production													
Apiculture													
Others													
Total													
X. Capacity Building and Group Dynamics													
Leadership development	1	6	2	8	2	1	3	11	3	14	19	6	25
Group dynamics													

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
Formation and Management of SHGs	1	0	7	7	0	3	3	0	15	15	0	25	25
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others													
Use of organic manure and bio-fertilizer for improving crop productivity	1	4	2	6	4	0	4	12	3	15	20	5	25
Production and use of organic manure	1	6	1	7	4	1	5	9	4	13	19	6	25
Importance of organic farming in agriculture	1	5	2	7	4	1	5	10	3	13	19	6	25
Management of FPO	1	8	2	10	2	1	3	8	4	12	18	7	25
Rain water harvesting and water conservation	1	4	3	7	3	2	5	9	4	13	16	9	25
Production of paddy straw mushroom by using scrambled straw	1	2	3	5	0	3	3	3	14	17	5	20	25
Income generating activities for farmer and women	1	4	2	6	2	1	3	9	7	16	15	10	25
Vermicompost production	1	6	2	8	4	2	6	8	3	11	18	7	25
Total	**10**	**45**	**26**	**71**	**25**	**15**	**40**	**79**	**60**	**139**	**149**	**101**	**250**
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL	**55**	**204**	**92**	**296**	**126**	**56**	**181**	**450**	**450**	**900**	**776**	**599**	**1374**

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
Nursery Management of Horticulture crops	1	3	2	5	4		4	9	2	11	16	4	20
Training and pruning of orchards													
Protected cultivation of vegetable crops													
Commercial fruit production													
Integrated farming	1	4	1	5	2	1	3	9	3	12	15	5	20
Seed production													
Production of organic inputs													
Planting material production													
Vermiculture													
Mushroom Production	2	-	-	-	-	-	-	28	2	30	28	2	30
Beekeeping													
Sericulture													
Repair and maintenance of farm machinery and implements	2	12	1	13	9	2	11	19	7	37	40	10	50
Value addition													

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													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production	1	3	3	6	2	2	4	5	10	15	10	15	25
Ornamental fisheries													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Others													
Integrated weed management in oilseed crop	1	3	1	4	3	1	4	8	4	12	14	6	20
Problematic soil health management	1	4	2	6	2	1	3	8	3	11	14	6	20
Integrated Pest and Disease Management	3	11	0	11	14	4	18	35	11	46	60	15	75
Entrepreneurship development of rural youth	1	6	2	8	2	1	3	10	4	14	18	7	25
Use of different ICT tools for transfer of technology in agriculture and allied sector	1	5	1	6	4	1	5	10	4	14	19	6	25
Total	14	51	13	64	42	13	55	141	50	202	234	76	310

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	9	3	12	4	1	5	2	1	3	15	5	20
Integrated Pest Management	2	17	6	23	3	2	5	5	2	7	24	11	35
Integrated Nutrient management	1	5	3	8	1	1	2	3	2	5	9	6	15
Rejuvenation of old 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
Protected cultivation technology													
Production and use of organic inputs													
Care and maintenance of farm machinery and implements	2	18	6	24	5	1	6	3	2	5	26	9	35
Gender mainstreaming through SHGs													
Formation and Management of SHGs													
Women and Child care													
Low cost and nutrient efficient diet designing													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Management in farm animals													
Livestock feed and fodder production													
Household food security	1							1	15	16	1	15	16
Other													
Total	7	49	18	67	13	5	18	14	22	36	75	46	121

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
Crop production	Farmers/farm women	Integrated crop management in groundnut	1	Off campus	18	7	25	13	6	19
Crop production	Farmers/farm women	Integrated crop management in pulse	1	Off campus	19	6	25	12	5	17
Crop production	Rural youth	Integrated weed management in oilseed crop	1	Off campus	14	6	20	11	5	16
Crop production	Farmers/farm women	Production and use of azolla	1	Off campus	14	11	25	10	8	18
Crop production	Extension personnel	Seed production in rice	1	On campus	15	5	20	6	2	8
Horticulture	Farmers/farm women	Package and practices in high value vegetable cultivation	1	Off campus	15	10	25	10	6	16
Horticulture	Farmers/farm women	Off season vegetable cultivation	1	On campus	16	9	25	11	6	17
Horticulture	Farmers/farm women	Integrated Nutrient management in cabbage	1	Off campus	20	5	25	14	3	15
Horticulture	Farmers and farm women	Enterprise development through fruit and vegetable crops	1	On campus	15	10	25	12	8	20
Horticulture	Rural youth	Technique of nursery raising in high value vegetables	1	On campus	16	4	20	13	2	15
Soil health and fertility management	Farmers/farm women	Importance of application of micro nutrient in field crops	1	Off campus	17	8	25	12	6	18
Soil health and fertility	Rural youth	Problematic soil health management	1	Off campus	14	6	20	10	4	14

management										
Soil health and fertility management	Extension personnel	Importance of organic farming in agriculture	1	On campus	9	6	15	4	3	7
Plant protection	Farmers/farm women	Pest and disease management in summer vegetables	1	On campus	23	2	25	22	1	23
Plant protection	Farmers/farm women	Integrated Pest and Disease Management in cotton	1	On campus	17	8	25	12	8	20
Plant protection	Farmers/farm women	Integrated Pest and Disease Management in rice	1	Off campus	11	14	25	11	14	25
Plant protection	Farmers/farm women	Fallarmy worm management on maize	1	On campus	19	6	25	19	6	25
Plant protection	Farmers/farm women	Integrated Pest and Disease Management in rice	1	Off campus	21	4	25	21	4	25
Plant protection	Farmers/farm women	Integrated Pest and Disease Management in rice	1	On campus	20	5	25	17	5	22
Plant protection	Farmers/farm women	Integrated Pest and Disease Management in cotton	1	Off campus	16	9	25	8	8	16
Plant protection	KUS students	Disease and Pest identification and their management in kharif crops	1	On campus	14	10	24	-	2	2
Plant protection	Farmers/farm women	Integrated Pest and Disease Management in pulse crops	1	Off campus	14	11	25	14	11	25
Plant protection	Farmers/farm women	Integrated Pest and Disease Management in cole crops	1	Off campus	13	12	25	12	10	22
Plant protection	Farmers/farm women	Integrated Pest and Disease Management in pulse and oil seed crops	1	Off campus	23	2	25	19	2	21
Plant protection	Farmers/farm women	Integrated Pest and Disease Management in winter vegetables	1	Off campus	18	7	25	15	5	20
Plant protection	Farmers/farm women	Integrated Pest and Disease Management in field crops	1	Off campus	14	11	25	10	8	18
Plant protection	Rural youth	Integrated Pest and Disease Management in field crops	1	On campus	21	4	25	15	4	19
Plant protection	Rural youth	Stored grain pest management	1	On campus	18	7	25	15	7	22
Plant protection	Rural youth	Integrated Pest and Disease Management in cole crops	1	On campus	21	4	25	19	4	23
Plant protection	Extension personnel	Integrated Pest and Disease Management in pulse and oil seed crops	1	On campus	14	6	20	3	3	6
Plant protection	Extension personnel	Integrated Pest and Disease Management in cole crops	1	On campus	10	5	15	4	2	15
Home Science	Rural youth	Mushroom cultivation and mushroom spawn production	2	On Campus	28	2	30	28	2	30
Home Science	Farmer/Farm women	Household food security by kitchen gardening and nutrition gardening	2	Off campus	20	30	50	20	30	50
Home	Farmer/Farm	Value addition	1	Off	-	25	25	-	25	25

Science	women			campus						
Home Science	Farmer/Farm women	Location specific drudgery reduction technologies	1	Off campus	-	25	25	-	25	25
Home Science	Farmer/Farm women	Mushroom cultivation (Oyster and Paddy straw), Household pest management, livelihood security through secondary agriculture	6	Off campus	12	135	147	15	135	150
Home Science	Extension personnel	Livelihood security through secondary agriculture	1	Off campus	1	15	16	1	15	16
Ag. Engg.	Farmer/Farm women	Use of micro irrigation system in horticulture crops	1	Off campus	21	4	25	16	3	19
Ag. Engg.	Farmer/Farm women	Use of bullock drawn puddler for puddling in rice fields	1	Off campus	15	10	25	10	7	17
Ag. Engg.	Farmer/Farm women	Use of Wet Land Power Weeder for weeding in Paddy	1	Off campus	19	6	25	13	4	17
Ag. Engg.	Farmer/Farm women	Use of single row vegetable transplanter	1	Off campus	20	5	25	15	3	18
Ag. Engg.	Farmer/Farm women	Use of portable cotton picker	1	Off campus	13	12	25	9	8	17
Ag. Engg.	Farmer/Farm women	Use of pedal operated paddy thresher with safety cover	1	On campus	16	9	25	12	6	18
Ag. Engg.	Farmer/Farm women	Use of power operated OUAT ragi thresher	1	On campus	19	6	25	12	4	16
Ag. Engg.	Farmer/Farm women	Use of power operated OUAT maize dehusker cum sheller	1	On campus	22	3	25	17	2	19
Ag. Engg.	Farmer/Farm women	Use of gender friendly implements for drudgery reduction	1	Off campus	14	11	25	10	8	18
Ag. Engg.	Farmer/Farm women	Use of power operated OUAT ragi thresher	1	On campus	15	10	25	12	7	19
Ag. Engg.	Farmer/Farm women	Use of dry land power weeder for vegetables	1	On campus	18	7	25	12	7	19
Ag. Engg.	Farmer/Farm women	Use of fruit harvestor	1	Off campus	16	9	25	11	7	18
Ag. Engg.	Farmer/Farm women	Use of single row vegetable transplanter	1	On campus	15	10	25	11	7	18
Ag. Engg.	Farmers and farm women	Rain water harvesting and water conservation	1	Off campus	18	7	25	12	5	17
Ag. Engg.	Rural youths	Use of mini dry land power weeder for maize	1	On campus	19	6	25	12	6	18
Ag. Engg.	Rural youths	Use of manual feeding system of tractor operated axial flow paddy thresher	1	On campus	21	4	25	16	3	19
Ag. Engg.	Extension personnel	Use of reaper for harvesting of paddy	1	On campus	16	9	25	12	7	19
Ag. Engg.	Extension personnel	Use of micro irrigation system in different crops	1	On campus	11	4	15	5	2	7
Agril. Extension	Farmers and farm women	Vermicompost production	1	Off campus	18	7	25	12	5	17
Agril. Extension	Farmers and farm women	Production and use of organic manure	1	On campus	19	6	25	13	5	18
Agril. Extension	Farmers and farm women	Production of paddy straw mushroom by using scrambled straw	1	Off campus	5	20	25	3	17	20

Agril. Extension	Farmers and farm women	Income generating activities for farmer and women	1	Off campus	15	10	25	11	8	19
Agril. Extension	Farmers and farm women	Use of organic manure and bio-fertilizer for improving crop productivity	1	On campus	20	5	25	16	3	19
Agril. Extension	Farm women	Formation and management of SHGs	1	Off campus	0	25	25	0	18	18
Agril. Extension	Farmers and farm women	Leadership development of farmers and farm women	1	On campus	19	6	25	13	4	17
Agril. Extension	Farmers and farm women	Rain water harvesting and water conservation	1	Off campus	16	9	25	12	6	18
Agril. Extension	Farmers and farm women	Importance of organic farming in agriculture	1	On campus	19	6	25	14	4	18
Agril. Extension	Farmers and farm women	Management of FPO	1	Off campus	18	7	25	10	5	15
Agril. Extension	Rural youth	Advantages of Integrated Farming System	1	On campus	15	5	20	11	4	15
Agril. Extension	Rural youth	Entrepreneurship development of rural youth	1	On campus	18	7	25	12	5	17
Agril. Extension	Rural youth	Use of different ICT tools for transfer of technology in agriculture and allied sector	1	On campus	19	6	25	14	5	19
Animal Science	Rural youth	Rearing of backyard poultry for more income	1	On campus	10	15	25	7	12	19

H) Vocational training programmes for Rural Youth

a) 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	

*training title should specify the major technology /skill transferred

b) Details of participation

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**
Crop production and management													
Commercial floriculture													
Commercial fruit production													
Commercial vegetable production													
Integrated crop management													
Organic farming													

Other													
Total													
Post harvest technology and value addition													
Value addition													
Other													
Total													
Livestock and fisheries													
Dairy farming													
Composite fish culture													
Sheep and goat rearing													
Piggery													
Poultry farming													
Other													
Total													
Income generation activities													
Vermicomposting													
Production of bioagents, biopesticides,													
biofertilizers etc.													
Repair and maintenance of farm machinery & imlements													
Rural Crafts													
Seed production													
Sericulture													
Mushroom cultivation													
Nursery, grafting etc.													
Tailoring, stitching, embroidery, dying etc.													
Agril. Para-workers, para-vet training													
Other													
Total													
Agricultural Extension													
Capacity building and group dynamics													
Other													
Total													
Grand Total													

I) Sponsored Training Programmes

a) Details of Sponsored Training Programme

Sl.No	Title	Thematic area	Month	Duration (days)	Client	No. of courses	No. of participants	Sponsoring Agency
					PF/RY/EF			
1.	STRY training on scientific beekeeping	Income generating activity	November	6	RY	1	15	ATMA, Rayagada

b) Details of participation

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**
Crop production and management													
Increasing production and productivity of crops													
Commercial production of vegetables													
Production and value addition													
Fruit Plants													
Ornamental plants													
Spices crops													
Soil health and fertility management													
Production of Inputs at site													
Methods of protective cultivation													
Other													
Total													
Post harvest technology and value addition													
Processing and value addition													
Other													
Total													

Farm machinery													
Farm machinery, tools and implements													
Other													
Total													
Livestock and fisheries													
Livestock production and management													
Animal Nutrition Management													
Animal Disease Management													
Fisheries Nutrition													
Fisheries Management													
Other													
Total													
Home Science													
Household nutritional security													
Economic empowerment of women													
Drudgery reduction of women													
Other													
Total													
Agricultural Extension													
Capacity Building and Group Dynamics													
Other													
Total													
Grant Total													

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	12	494	233	727	68	26	12	38	520	245	765
Kisan Mela	5	762	458	1220	71	33	18	51	795	476	1271
Kisan Ghosthi	2	39	17	56	75	2	-	2	41	17	58
Exhibition	3	230	120	350	72	4	2	6	234	122	356
Film Show	11	541	424	965	74	12	8	20	553	432	985
Method Demonstrations	4	75	40	115	81	5	1	6	80	41	121
Farmers Seminar	-	-	-	-	-	-	-	-	-	-	-
Workshop	-	-	-	-	-	-	-	-	-	-	-
Group meetings	18	370	163	533	72	7	5	12	377	168	545
Lectures delivered	32	822	456	127	74	128	34	162	950	490	1440

as resource persons				8							
Advisory Services	48	22447	12251	34968	61	137	55	192	22854	12306	35106
Scientific visit to farmers field	722	3268	2486	5754	76	134	48	182	3402	2534	5936
Farmers visit to KVK	-	2454	1806	4260	77	125	51	176	2579	1857	4436
Diagnostic visits	195	1164	75	1889	80	88	39	127	1252	764	2016
Exposure visits	6	458	340	798	78	5	2	7	463	342	805
Ex-trainees Sammelan	3	156	61	217	81	2	1	3	158	62	220
Soil health Camp	-	-	-	-	-	-	-	-	-	-	-
Animal Health Camp	2	89	24	105	78	17	-	17	98	24	122
Agri mobile clinic	8	-	-	-	-	-	-	-	-	-	831
Soil test campaigns	1	43	22	65	84	-	-	-	43	22	65
Farm Science Club Conveners meet	2	35	15	50	79	2	-	2	36	16	52
Self Help Group Conveners meetings	1	-	102	102	76	2	1	3	-	102	105
Mahila Mandals Conveners meetings	-	-	-	-	-	-	-	-	-	-	-
Celebration of important days (Celebration of World Food Day, Celebration of World Soil Day, Celebration of Kisan Divas)	1 1 1	50 32 44	29 13 26	79 55 70	78 75 68	2 2 1	1 - 1	3 2 2	52 34 45	30 13 27	82 57 72
Sankalp Se Siddhi	-	-	-	-	-	-	-	-	-	-	-
Swatchta Hi Sewa	3	903	506	1489	75	9	6	15	912	512	1504
Mahila Kisan Divas	1	-	65	65	72	1	2	3	-	68	68
Any Other (Specify) Observation of Agriculture Education Day, Observation of Constitution Day, Observation of Vigilance Awareness Week, Har ghar triranga programme, Live telecast of 94th ICAR Foundation Day, Observation of National Unity Day, International year of millets, Parthenium awareness week	8	251	143	394	73	7	4	11	258	147	405
Total	1090	34727	19875	55604	74	751	291	1042	35736	20817	57477

B. Other Extension activities

Nature of Extension Activity	No. of activities
Newspaper coverage	18
Radio talks	1
TV talks	5
Popular articles	2
Extension Literature	4
Other, if any News letter Booklet	 2 5

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	
					M	F	M	F	M	F	M	F
-	-	-	-	-	-	-	-	-	-	-	-	-
Total												

KVK farm

Crop	Variety	Quantity of seed (q)	Value (Rs)	Number of farmers to whom seed provided							
				SC		ST		Other		Total	
				M	F	M	F	M	F	M	F
Paddy	MTU 1172	116.6		-	-	-	-	-	-	-	-
Paddy	Bina dhan-17	34.8		-	-	-	-	-	-	-	-
Ragi	Arjuna	1.34		-	-	-	-	-	-	-	-
Pigeon pea	LRG 52	3.5		-	-	-	-	-	-	-	-
Blackgram	Sashi	7.5		-	-	-	-	-	-	-	-
Greengram	Virat	7.5		-	-	-	-	-	-	-	-
Grand Total		171.24		-	-	-	-	-	-	-	-

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	
				M	F	M	F	M	F	M	F
Vegetable seedlings											

Cauliflower	Damini, Valentina	2500	6250								
Cabbage	Pulkit, Champ	1850	4625								
Tomato	Arka samrat, Sahoo	8400	21000								
Brinjal	Akshita	8190	20475								
Chilli	VNR-305	2350	5875								
Onion	N-53	1000	2500								
Others (Drumstick)	ODC-3	3200	8000								
Capsicum	Arka Mohini	540	1350								
Broccoli		1050	2625								
Red cabbage		500	1250								
Fruits											
Mango	Dasheri, Amrapalii	300	12000								
Guava	-	-									
Lime	-	-									
Papaya	Red Lady	2200	55000								
Banana		-									
Others (Rose apple)	-	50	1000								
Ornamental plants (Marigold)	OP	6300	7560								
Medicinal and Aromatic											
Plantation											
Spices											
Turmeric											
Tuber											
Elephant yams											
Fodder crop saplings											
Forest Species											
Others, pl. specify											
Total		38430	149510								

Production of Bio-Products

Name of product	Quantity Kg	Value (Rs.)	No. of Farmers benefitted							
			SC		ST		Other		Total	
			M	F	M	F	M	F	M	F
Bio-fertilizers	13.86 q	20790								
Bio-pesticide	-									
Bio-fungicide	-									
Bio-agents	25 kg	12500								
Others, please specify.										
Total										

Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers benefitted							
				SC		ST		Other		Total	
				M	F	M	F	M	F	M	F
Dairy animals											
Cows											
Buffaloes											
Calves											
Others (Pl. specify)											
Small ruminants											
Sheep											
Goat											
Other, please specify											
Poultry											
Broilers											
Layers											
Duals (broiler and layer)											
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											

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

i) Name of Seed Hub Centre:

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

ii) Quality Seed Production Reports

Season	Crop	Variety	Production (q)

			Target	Area sown (ha)	Production	Category of Seed (F/S, C/S)
Kharif 2022						
Rabi 2020-21						
Summer/Spring 2022						
Kharif 2022						
Rabi 2021-2022						

iii) Financial Progress

Fund received (2019-20, 2020-21, 2021-22 and 2022-23)	Expenditure (Rs. in lakhs)		Unspent balance (Rs. in lakhs)	Remarks
	Infrastructure	Revolving fund		
2019-20				
2020-21				
2021-22				
2022-23				

iv) Infrastructure Development

Item	Progress
Seed processing unit	
Seed storage structure	

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

Item	Title	Author's name	Number	Circulation
Research paper	1. Effect of irrigation and fertigation on growth, yield and quality of pineapple (*Ananas comosus*).	S. Behera, P. C. Pradhan, T. Giri		
	2. Evaluation of short duration drought tolerant rice varieties in rainfed upland of Rayagada district of Odisha.	P. Tarai, R. Tudu, S. Behera, B. K. Jena, B. C. Behera		
Seminar/conference/ symposia papers				
Books	1. Honey bee keeping 2. Oyster mushroom 3. Paddy straw mushroom 4. Nutritional garden 5. Improve farm implements	1. R. Tudu 2. M. Sarangi 3. M. Sarangi 4. M. Sarangi 5. A. J. Majhi		

Bulletins				
News letter	Bansadhara	Senior Scientist and Head, KVK	1000	
Popular Articles				
Book Chapter				
Extension Pamphlets/ literature				
Technical reports	Annual Report, Achievement report, Tribal Sub-Plan, DFI, FPO, Report on Extension Activities	-		
Electronic Publication (CD/DVD etc.)				
TOTAL				

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.	Workshop	Annual Zonal Workshop 2022	Rajib Tudu I/C SS&H SMS (Plant protection)	27.05.2022 to 29.05.2022	KVK, Jalpaiguri
2.	Conference	Biennial National Conference of KVKs	Rajib Tudu I/C SS&H SMS (Plant protection)	01.06.2022 & 02.06.2022	Dr Y.S Parmer University of Agriculture, Solan, HP
3.	Meeting	SLREC meeting	Rajib Tudu I/C SS&H SMS (Plant protection)	28.06.2022 & 29.06.2022	OUAT, Bhubaneswar
4.	Training	Refresher training for scientist of KVK for Agriculture Extension discipline	Mr. Binod Ch. Behera Scientist (Ag. Extension)	08.09.2022 to 09.09.2022	DEE, OUAT, Bhubaneswar
5.	Training	Training on FPO management	Mr. Binod Ch. Behera Scientist (Ag. Extension)	19.12.2022 to 21.12.2022	DEE, OUAT, Bhubaneswar
6.	Workshop	Aromatic and medicinal plants	M. Sarangi Scientist (Home Science)	08.09.2022	PMIT, Bikash Foundation trust, Talcher
7.	Training programme	Training programme on early childhood care for working women	M. Sarangi Scientist (Home Science)	07.01.2023 to 08.01.2023	DEE,OUAT, Bhubaneswar and College of Community Science

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

Name of farmer	Mr. Rajendra Kumar Nimalu
Address	Village- Pradhaniguda Block- Gunupur Dist. - Rayagada PIN – 765022
Contact details (Phone, mobile, email Id)	Mob: 9437263404
Landholding (in ha.)	5.0 acres
Name and description of the farm/ enterprise	Mr. Nimalu cultivates different crops and vegetables throughout the year. Kharif- Paddy, cotton, arhar and vegetables. Rabi- vegetables (brinjal, tomato, chilli, cauliflower, cabbage, cowpea, okra), sweet corn and leafy vegetables. Summer- pointed gourd, spine gourd, bitter gourd, watermelon, cucumber, ridge gourd etc.
Economic impact	Mr. Nimalu followed improved cultivation practices of vegetable cultivation of 3.0 acres from which he got gross return of Rs. 1, 30, 000.00 and from sweet corn he harvested 30500 number of green cobs of sweet corn and got gross return of Rs. 96, 000.00 from 1.7 acre area. Similarly he cultivated sweet corn var. Sugar-75 in rabi season along with different vegetable and got net income of Rs. 1, 90, 000.00.
Social impact	Mr. Rajendra Nimalu as a eye opener for rest of the farmers to produce vegetable and other crops in scientific method for better yield and income. There are more than 85 farmers following the improved method of vegetable cultivation. As scientific method gave good yield and better return other farmers of his and neighboring villages were very much encouraged to grow the vegetable and other crops in scientific method.
Environmental impact	He cultivates the crops by using less quantity of chemical fertilizers and more use of organic manure which are no adverse impact on atmospheric condition.
Horizontal/ Vertical spread	Mr. Nimalu has become brand for growing high yielding vegetables and sweet corn with scientific method in his village. As scientific method gave good yield and better return other farmers of his and neighboring villages were very much encouraged to grow the crops and vegetables in scientific method with soil test based fertilizer application.

Good quality photographs (2-3)	



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.	Ragi thresher cum pearler	AICRP on UAE,CAET,OUAT,2017-18	A ragi thresher cum pearler has been developed for simultaneous threshing and pearling operation of harvested and dried ragi fingers. The output of the machine is 80-85kg/h with 92% threshing efficiency. This machine can be operated by 1.0 hp electric motor

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
	Honey bee box	Making of honey bee box	Honey bee rearing

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	Sweet corn	1.0	45000 green cobs	4	Y
2	Vegetables	2.5	235 q	14	Y

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

Sl. No.	Brief details of the tool/ methodology followed	Purpose for which the tool was followed

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

Sl. No	Name of the Equipment	Qty.
1	Soil testing lab	-
2	Mridaparikhyak	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			
136	66	202	1480	74	-

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.	World Soil Day	59	3	Sri Bishnu Prasad Sahu, ADO, Gunupur, Debendra Gouda, Member of Niti Ayoga, ADH, Gunupur	55	55

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
-	-	-	-	-

3.13. Technology week celebration

Type of activities	No. of activities	Number of participants	Related crop/livestock technology
Distribution of Seedlings	3	65	Chilli, Tomato, Brinjal, Cabbage, Cauliflower, Mango grafts, Papaya, Drumstick, Banana
Mushroom spawn and vegetable seed kit distribution for kitchen garden	2	80	Demonstration on paddy straw and oyster mushroom cultivation and nutritional gardening
Visit of Demo unit	6	75	Nursery raising of vegetables Vermicompost production Azolla cultivation Backyard poultry rearing Honey bee rearing Kitchen gardening
Distribution of booklet/ Literature	4	90	News Letter, Booklets

3.14. RAWE/ FET programme - is KVK involved? (Y/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
08.02.2022	Dr. D. C. Sahu Head & Principal Scientist, ICAR-IISWC, Sunabeda, Koraput	SAC Meeting

08.02.2022	Mr. Dushasan Praharaj CDAO, Rayagada	SAC Meeting Monthly R-E linkage meeting
08.02.2022	Mr. Dhirendra Bihari LDM, Rayagada	SAC Meeting
08.02.2022	Mr. Pradeep Kumar Pattnaik I/C Project Director, Watershed, Rayagada	SAC Meeting
08.02.2022	Mr. Jagannath Bindhani I/C DDH, Rayagada	SAC Meeting
08.02.2022	Mr. S. K. Samal AGM, NABARD	SAC Meeting
08.02.2022 26.04.2022 31.05.2022 05.12.2022	Mr. Bishnu Prasad Sahu ADO, Gunupur	SAC Meeting Farmers' fair 2022 under "Azadi Ka Amrit Mahotsav" Monthly R-E linkage meeting Garib Kalyan Sammelan World Soil Day
08.02.2022 26.04.2022	Dr. Rama Rao Palo SDVO, Rayagada	SAC Meeting Farmers' fair 2022 under "Azadi Ka Amrit Mahotsav" Monthly R-E linkage meeting
08.02.2022	Mrs. Karna Murmu CDPO, Gunupur	SAC Meeting
08.02.2022	Dr. Rajesh Bishnoi Scientist, ICAR	SAC Meeting
08.02.2022 26.04.2022 15.11.2022	Mrs. Purnapriya Suara AFO, Gunupur	SAC Meeting Monthly R-E linkage meeting Farmers' fair 2022 under "Azadi Ka Amrit Mahotsav" Farmers' fair under Jal Shakti Abhiyan
08.02.2022	Anita Nath, Social Officer, WOTR,Gunupur	SAC Meeting
08.02.2022	Mr. Jagabandhu Puhana L. I. Division, Gunupur	SAC Meeting
08.02.2022	Mr. Sudeep Kumar Sahoo District Co-ordinator, 4S-JTC-MOK	SAC Meeting
08.02.2022 26.04.2022 05.12.2022	Mr. Debendra Gouda Co, 4S, Rayagada	SAC Meeting Farmers' fair 2022 under "Azadi Ka Amrit Mahotsav" World Soil Day
08.02.2022	Dr. Sangram Paramguru SS & Head, K.V.K. Gajapati	SAC Meeting
08.02.2022	Mr. Jayashankar Pradhan SMS (Agro-meteorology)	SAC Meeting
08.02.2022	Mr. Dalapati Karjee Secretary, RMC, Gunupur	SAC Meeting
08.02.2022 26.04.2022 05.12.2022	Jagannath Bindhani ADH, Gunupur	SAC Meeting Farmers' fair 2022 under "Azadi Ka Amrit Mahotsav" World Soil Day
26.04.2022 17.10.2022 15.11.2022	Sri Raghunath Gomango, Hon'ble MLA, Gunupur	Farmers' fair 2022 under "Azadi Ka Amrit Mahotsav" PM Kisan Samman Sammelan Farmers' fair under Jal Shakti Abhiyan
26.04.2022	Smt. Jhilli Sabar, (Block Chairman, Gunupur),	Farmers' fair 2022 under "Azadi Ka Amrit Mahotsav"

26.04.2022	Sri Sudarshana Sabar (Vice- Chairman, Block-Gunupur)	Farmers' fair 2022 under "Azadi Ka Amrit Mahotsav"
26.04.2022	Mr. Suman Singh Garnayak (Deputy Project Director, ATMA, Rayagada),	Farmers' fair 2022 under "Azadi Ka Amrit Mahotsav"
17.09.2022 15.11.2022	Tapas Ranjan Sahu MD, IFFCO, Rayagada Soumendra Narayan Dash Agriculture Officer, ITDA	Poshan Abhiyan and Tree Plantation Farmers' fair under Jal Shakti Abhiyan
15.11.2022	Dr. Dayanidhi Bag PD, Watershed	Farmers' fair under Jal Shakti Abhiyan

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)
Scientific beekeeping	55	58	0	21500
Sweet corn	48	85	25000	66000
Mushroom cultivation	60	65	60	150
Pigeon pea var. PRG-176	45	90	12000	27000
Line transplanting of paddy	52	85	10000	19000
Line transplanting of paddy by transplanter	30	45	14000	22000
Use of herbicide in field crops	75	65	18000	35000
Seed treatment with fungicide	50	60	17000	30000
Soil testing and making of soil health card	115	90	12350	20000
Control of blast disease in paddy	65	80	11000	22000
Control of BPH in paddy	50	57	9500	16000
Seed production of paddy	15	10	15000	24000
Drip irrigation	15	30	35000	45000
INM in groundnut	15	20	21000	38000
Vermicompost	30	26	7500	1900
Rearing of poultry bird	50	45	3000	9000
Hybrid maize	30	85	32000	51000
Tea mosquito bug management of cashew	15	62	51900	84000
Ragi thresher cum pearler	14	40	13200	20200
Portable cotton picker	15	44	30000	36500

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	80 farmers
Pigeon pea var. LRG- 52	20 ha and 50 farmers
Mushroom production (Paddy straw and Oyster)	146 farmers, farm women, Rural youth and SHGs
Drought tolerant rice variety Santha Bhima (CR Dhan 102)	30 ha and 62 farmers and farm women

Give information in the same format as in case studies

4.3. 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

4.4. Details of innovations recorded by the KVK

Thematic area	Small scale income generation activity
Name of the Innovation	Scientific beekeeping
Details of Innovator	Rajib Tudu, SMS (Plant Protection), KVK, Rayagada (Odisha)
Back ground of innovation	This is an income generating activities of marginal farmers where they are collecting honey from forest unscientifically and also damage the honey comb as well as kill the honey bee.
Technology details	Regular and periodic bottom board cleaning, maintaining healthy and populous colony, regular and periodic dearth feeding, removal of old combs and allowing new comb construction, need based brood comb alteration and need based colony union or division are recommended for scientific beekeeping with *Apis cerana indica*.
Practical utility of innovation	Marginal farmers of Rayagada district are present in forest area where they can rare honey bee scientifically and very easily. Source of pollen and necter easily available in forest area throughout the year.

4.5. Details of entrepreneurship development

Entrepreneurship development	
Name of the enterprise	Vegetable cultivation
Name & complete address of the entrepreneur	Narayan Sabar, Vill- Rupapadar, GP- Chalkamba, Block- Gunupur, Dist.- Rayagada
Role of KVK with quantitative data support:	KVK conducted 4 group meetings, 3 trainings on high yielding and high value vegetable cultivation and IFS, conducted FLD, field day and diagnostic field visits time to time.
Timeline of the entrepreneurship development	The entrepreneur has put thrust on 2022
Technical Components of the Enterprise	KVK provided quality vegetable seedlings, planting materials in time, technique on trellis method & backyard poultry chicks; liasioning with veterinary dept. for timely vaccination, feed management etc.
Status of entrepreneur before and after the enterprise	Before enterprise Mr. Sabar was getting a revenue of Rs. 30000.00 and after enterprise he got a revenue of Rs. 150000.00
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	Now the entrepreneur is capable to produce quality seedling by using raised bed method and follows trellis method for more yield. Mr. Sabar cultivating different high yielding vegetables with high value vegetables like capsicum, broccoli, spine gourd etc. He also rears backyard poultry and duckery in his IFS area. There is availability of labour during intercultural operation and his product is high demand in local market.
Horizontal spread of enterprise	The cultivation of high yielding and high value vegetables has been spread in 5 villages and farmers very much interested to cultivate the same crops in large scale due to more profit and high market demand.

4.6. Any other initiative taken by the KVK

5. LINKAGES

5.1. Functional linkage with different organizations

Name of organization	Nature of linkage
Agriculture, Horticulture	Training of farmers, farm women, rural youth and extension functionaries, field day and demonstration
Veterinary	Animal heath camp and training
NGOs,	Capacity building training and demonstration

5.2. List of special programmes undertaken during 2022 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.)

(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.)
STRY training	Scientific Beekeeping	18.11.2022 to 24.11.2022	ATMA, Rayagada	42000.00

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	2010-11	36.11	Vermi-compost	Vermi-compost Vermin	13.86 25 kg	6500	20790 12500	
2.	Poultry unit	2010-11	24.3	Kadaknath bird and Banaraja	Egg and Meat	25	-		-
3.	Azolla unit	2011-12	9.2	Azolla	Green manure	950.0 kg	-	-	
4.	Mushroom spawn production unit	2010-11	27.6	Paddy straw and Oyster mushroom spawn	Mushroom spawn	2710 BTL	26000	54200	
5.	Poly house	2010-11	9.11		Vegetable seedling	38430	45492	162140	
6.	Medicinal garden	2017-18	600	64 species	-	-	-	-	

7.	Honey bee	2019 -20	20 nos. box	*Apis cerana indica*	Honey Colony	20 kg 15	3000	8000 12000	
	Total								

6.2. Performance of Instructional Farm (Crops)

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	
Paddy	11.07.2022	12.12.2022	3.0	MTU 1172	Foundation	116.6 q	331714	539286	
Paddy	19.07.2022	22.11.2022	1.0	Bina dhan 17	Foundation	34.8 q			
Ragi	02.07.2022	10.11.2022	0.5	Arjuna	Foundation	1.34 q	5500	8542	
Pigeon pea	27.06.2022	12.01.2023	1.0	LRG-52	Foundation	3.5	27000	37390	
Greengram	21.02.2023	Continuing	2.0	Virat	Foundation	-	-	-	
Blackgram	27.02.2023	Continuing	1.0	Sashi	Foundation	-	-	-	

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.	Vermi-compost	1386	6500	20790	
2	Vermin	25	-	12500	

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.	-	-	-	-	-	-	-
2.	-	-	-	-	-	-	-

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)
November	15	6	
Total :	15	6	

(For whole of the year)

6.6. Utilization of staff quarters: NA

Whether staff quarters has been completed:
No. of staff quarters:
Date of completion:
Occupancy details:

Months	Q I	Q II	Q III	QIV	Q V	QVI

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
Krishi Vigyan Kendra, Rayagada (Contingency)	SBI, Gunupur	At/PO- Gunupur District- Rayagada	11116545568
Krishi Vigyan Kendra, Rayagada (Revolving fund)	SBI, Gunupur	At/PO- Gunupur District- Rayagada	30772185783
DAMU, KVK, Rayagada	Bank of Maharashtra, Rayagada	Rayagada	60427381585
CFLD Oilseed	SBI, Gunupur	At/PO- Gunupur District- Rayagada	41565767980

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	
Groundnut Rabi 2022-23		120000		120000	Nil
Sunflower Rabi 2022-23		120000		120000	Nil

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2023
	Kharif	Rabi	Kharif	Rabi	
Pigeon pea Kharif 2022	270000	-	270000	-	Nil
Blackgram Kharif 2022	90000	-	90000	-	Nil

7.4 Utilization of KVK funds during the year 2022-23 (Not audited)

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	98.34	98.34	98.34
2	Traveling allowances	1.10	1.10	1.10
3	Contingencies			
A	Stationary, telephone, postage and other			
B	POL	4.20	4.20	4.20
C	Training			
D	Meals and refreshment			
E	Training materials	3.15	3.15	3.15
F	FLD	1.58	1.58	1.58
G	OFT	1.57	1.57	1.57
H	TSP	10.0	10.0	10.0
I	HRD	0.3	0.3	0.03
J	Swachhta Expenditure	0.1725	0.1725	0.1725
TOTAL (A)		120.24	120.24	120.24
B. Non-Recurring Contingencies				
1	Equipments , furniture and tractor	8.22	8.22	8.22
2	Works Irrigation system	5.00	5.00	5.00
3	Repair and renovation of administrative. building	10.00	10.00	10.00
4	Library	0.10	0.10	0.10
TOTAL (B)		23.32	23.32	23.32
C. REVOLVING FUND		-	-	-
GRAND TOTAL (A+B+C)		143.56	143.56	143.56

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)
2020-21	20674	581016	498850	187840
2021-22	187840	724876	737744	91395
2022-23	91395	511620	498312	35601

7.6. (i) Number of SHGs formed by KVKs

(ii) Association of KVKs with SHGs formed by other organizations indicating the area of SHG activities

- Mushroom production
- Vermicompost production
- Vegetable cultivation.
- Sweet corn cultivation.
- Rearing of backyard poultry
- Preparations of chhatua, pampad, incense stick.

(iii) Details of marketing channels created for the SHGs

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

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)
Sheath blight	Rice	28.09.2017	272	9%	Spraying of Validamycin @ 2 ml/litre
BLB	Rice	05.10.2017	185	5%	Spraying of Copper Oxychloride @ 3gm +Streptocycline @ 0.1 g/lit of water
Leaf spot	Groundnut	3.08.2017	28	7%	spray of Carbendazim 50% WP 2g/lt.
YMV	Green gram	02.02.2018	78	12%	Installation of yellow sticky trap and spraying of neem oil.
Blast	Ragi	14.07.2020	37	6%	Spraying of Tricycolazole @ 0.6 g/lt.
Wilting	Tomato	10.11.2017	69	8%	Soil drenching with Carbendizm 2gm+ streptocycline 0.1gm/litre of water
	Brinjal	10.01.2018	83	11%	Seed treatment with Metalaxyl+Mancozeb 72% WP @ 2gm/kg, Soil application of Carbofuran @ 33kg/ha and Soil drenching with Carbendizm 2 gm+ streptocycline 0.1 gm/litre of water
YVMV	Okra	10.02.2017	93	23%	Installation of yellow sticky trap and spraying of Acetamiprid 20% SP @ 0.3g/litre.

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)
-	-	-	-	-	-

9.1. Nehru Yuva Kendra (NYK) Training

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

9.2. PPV & FR Sensitization training Programme

Date of organizing the programme	Resource Person	No. of participants	Registration (crop wise)	
			Name of crop	No. of registration
-	-	-	-	-

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

Type of message	No. of messages	No. of farmers covered
Crop	21	35106
Livestock	4	
Fishery	1	
Weather	14	
Marketing	2	
Awareness	2	
Training information	0	
Other	4	
Total	48	

9.4. *KVK* Portal and Mobile App

Sl. No.	Particulars	Description
1.	No. of visitors visited the portal	-
2.	No. of farmers registered in the portal	-
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	-

9.5. a. Observation of Swachh Bharat Programme

Date/ Duration of Observation	Activities undertaken
2nd October, 2022	Cleaning of KVK administrative building and instructional farm, white wash of KVK, building, display of banner at prominent places, plantation of trees, cleaning and sanitation drive in adopted villages, stock taking of waste management, campaign and rallies on cleanliness of road, drainage, pond, well etc., quiz, essay and debate competition on swachhata activities, awareness camp, street plays conducted in the adopted villages, cleaning of public places, market places.
Last week of every month	Cleaning of KVK premises and instructional farm, white wash of KVK, building, cleaning and sanitation drive, in adopted villages, stock taking of waste management, campaign and rallies on cleanliness of road, drainage, pond, well etc., quiz, essay and debate competition on swachhata activities, awareness camp, street plays conducted in the adopted villages, cleaning of public places, market places. Taken swachhata pledge, plantation of trees, display of banner at prominent places,

b. Details of Swachhta activities with expenditure

Activities	**Number**	**Expenditure (in Rs.)**
1. Digitization of office records/ e-office	-	-
2. Basic maintenance	-	-
3. Sanitation and SBM	5	1500.00
4. Cleaning and beautification of surrounding areas	-	2000.00

5. Vermicomposting/ Composting of biodegradable waste management & other activities on generate of wealth for waste	4	1550.00
6. Used water for agriculture/ horticulture application	-	-
7. Swachhta Awareness at local level	3	6000.00
8. Swachhta Workshops	1	1200.00
9. Swachhta Pledge	1	500.00
10. Display and Banner	5	2000.00
11. Foster healthy competition	-	-
12. Involvement of print and electronic media	3	-
13. Involving the farmers, farm women and village youth in the adopted villages (no of adopted village)	480	2000.00
14. No of Staff members involved in the activities	12	500.00
15. No of VIP/VVIPs involved in the activities	-	-
16. Any other specific activity (in details)	-	-
Total	**-**	**17250.00**

9.6. Observation of National Science day

Date of Observation	Activities undertaken
-	-

9.7. Programme with Seema Suraksha Bal/ BSF

Title of Programme	Date	No. of participants
-	-	-

9.8. Agriculture Knowledge in rural school

Name and address of school	Date of visit to school	Areas covered	Teaching aids used
-	-	-	-

Give good quality 1-2 photograph(s)

9.9. 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		
	-	-	-	-	-	-	-	-	-	-	-	-

9.10. Details of Swachhta Hi Suraksha programme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	12	8	520	-	-

9.11. 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	Seminar, training and gosthi	5	68	-	-

9.12. 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.	Banabasi Sabar	At- Dandaguda PO- Chalkamba Mob- 9937964464	Mushroom production and vegetable cultivation
2.	Dayanidhi Sabar	At/PO- Laxmanaguda	Mushroom production
3.	Arababu Nimala	At- Kukurguda PO- Gothalpadar Mob- 8280483386	Mushroom production
4.	Kulampir Sabar	At- Podosing, PO- Chalkamba Mob No.- 7848803351	Mushroom production, honey bee rearing and vegetable cultivation
5.	Pitabasa Sabar	At- Bhalerikudia PO- Bagsola Mob No.- 9778366873	Mushroom production
6.	K. Siba Kumar	At- Kuturu PO- Gunupur Mob- 7894073177	Floriculture
7.	Balram Gomango	At/PO- Ghanantri Block- Gunupur Mob. No.- 6372253447	Mushroom production, honey bee rearing
8.	Pramod Kumar Patra	At/PO- Gunupur Mob. No.- 9040320464	Crop production and vegetables

9.	K. P. Bebarta	At/Po: Gunupur, Mob No: 9437338471	Oil Palm Cultivation, Oil seed and vegetables
10.	Bhaskar Nimala	At/PO: Pradhaniguda, Dist: Rayagada , Odisha, Mob.No: 9078125736	Sweet corn
11.	Anusai Sabara	At/Po: Putasing, Gunupur, Mob No.:9439336200	Organic vegetable cultivation
12.	Mahesh Bidika	At- B.Gumargeda Mob No.- 9348374472	Beekeeping
13.	Sangita Dash	At/Po: Chalkamba, Mob No.:7978945876	Mushroom production
14.	Sarathi Bhuyan	Nuagaon Dist: Rayagada , Odisha, Mob No.-8895903380	Cashew Cultivation
15.	Sankar Nimalu	At/- Pradhaniguda, Gunupur, Mob No.:8144915889	Crop production and vegetables
16.	Pramod Kar	Kalma Dist: Rayagada , Odisha, Mob No.-8455074171	Arhar
17.	Khirod Sabara	Rupapadar Dist: Rayagada Odisha,	Cashew nut
18.	Sadashiv Majhi	At/Po: Jaripanga, Mob No.:8917431071	Crop production and honey bee rearing
19.	Sushila Mohapatra	At/Po: Gumuda, Ramnaguda, Mob No.:9437722226	Mushroom production
20.	Narayan Sabar	Rupapadar	Vegetable cultivation
21.	Partha Panda	At- Gulumunda 7077880193	Crop production and vegetables
22.	Bibhu Prasad Satapathy	At/PO- Gothalpadar 7847031936	IFS
23.	Phalguni Sabar	At- Laxmipur 6371161069	Mushroom grower
24.	Tanka Sabar	At- Ramnaguda 7077425246	Mushroom grower
25.	Debendranath Mishra	At-0 Turkaniguda 9439838421	Crop production and vegetables
26.	Giridhar Bidika	At- Gudari 6370976004	Mushroom grower
27.	Bharav Das	At- Turkaniguda 9040204971	Crop production and vegetables
28.	Rajendra Kumar Nimalu	Pradhaniguda Dist: Rayagada, Odisha Mob no- 9437263404	Beekeeping
29.	Bibhisen Sabar	At- Amiti 7325825288	Mushroom grower
30.	Laxman murthy Nimalu	At/- Pradhaniguda, PO: Gunupur, Dist- Rayagada	Sweet corn
31.	Gobinda Pantia	At/- Pradhaniguda, PO:	Nutritional garden

		Gunupur, Dist- Rayagada	
32.	Mohan Rao Sabar	Chalkamba Dist: Rayagada Odisha, Mob No- 6370646230	Mushroom grower
33.	Sumitra Kadraka	At- Butingi 8599018403	Beekeeping
34.	Premika Patika	At- Bada Sangidi 6372105468	Beekeeping
35.	Sibaprasad Labla	At- Nalpanda 8249687783	Crop production and vegetables
36.	Nimala Gopal	At- Armada 7735376654	Gotary
37.	Trinath Mandangi	At- Khalagumuda PO- Gumuda Mob- 6371551070	Integrated Farming System
38.	Sadananda Sabar	At- Bagsola 7682948026	Pisciculture
39.	Sarat Kumar Sabar	At- Limameda PO- Gunupur Mob- 8093055540	Integrated Farming System
40.	Priyanjali Gomango	At- Sitriguda 8763691073	Beekeeping

9.13. Revenue generation

Sl.No.	Name of Head	Income(Rs.)	Sponsoring agency
1.	-	-	-
2.			
3.			

9.14. Resource Generation:

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

9.15. Performance of Automatic Weather Station in KVK

Date of establishment	Source of funding i.e. IMD/ICAR/Others (pl. specify)	Present status of functioning
19.04.2021	IMD	Functioning

9.16. 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	Rayagada	Deficit rainfall	11	276	***Change in crop/cropping system:-*** Shifting from traditional crops/varieties to short duration low water requiring crops like cowpea, blackgram, greengram by substituting rice totally. If the main crop is failed cultivation or re sowing with fodder (Berseem, Napier) is the best option. Fodders can be harvested at any stage keeping in view sowing of the next *Rabi* season crop. ***Agronomic measures:-*** The recommended dose of nitrogen application should be reduced by 40 % and should be applied, as basal and full-recommended dose of P and K should be placed as basal. Furrow sowing of crops at closure plant-to-plant (10cm) distance with wider inter-row spacing (40-50 cm) is recommended.

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

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 2022-2023

Programmes	Physical achievements
Asset creation (Number; Sprayer, ridge maker, pump set, weeder etc.)	Maize sheller-30 nos., Bhindi plucker-60 nos., Hand weeder-30 nos. Honey bee box (25 nos.), poly-vermi bed (15 nos.), cycle weeder (10 nos.), garden rake (30 nos.), rose cane (25 nos.), hand hoe (25 nos.)
On-farm trials (Number)	8
Frontline demonstrations (Number)	15
Farmers training (in lakh)	0.01802
Extension personnel training (in lakh)	0.00105
Participants in extension activities (in lakh)	0.22317
Seed production (in tonnes)	17.124
Planting material production (in lakh)	0.38430
Livestock strains and fingerlings production (in lakh)	0.00002
Soil, water, plant, manures samples testing (in lakh)	0.00202
Provision of mobile agro – advisory to farmers (in lakh)	0.35106
No. of other programmes (Swachha Bharat Abhiyaan, Kisan Mela, Kisan Bhagidari Prathmikta Hamari 2022, Hon'ble Prime Minister's Programme on interaction with beneficiaries of schemes/programmes - Garib Kalyan Sammela, Group Meeting, OUAT foundation day National campaign under "Azadi Ka Amrit Mahotsav", Poshan Abhiyan & Tree Plantation and planting material distribution, Agri clinic, PM Kisan Samman Sammelan , Ex- trainees sammelan Mahila Kisan Diwas, Celebration of World Food day Swachha Bharat Abhiyaan, Agriculture knowledge in rural school, planting material distribution, Jal Shakti Abhiyan , Vigilance Awareness Week, Observation of Constitution day, National Integrity Day, Observation of Agriculture Education Day, Celebration of World Soil Day, Kisan Samman Divas, Swachha Bharat Abhiyaan, SAC meeting, PM Kisan Sammelan, Krishi Odisha exhibition, Virtual Participation in 'International Millets Conference etc.)	28

b. Fund received under TSP in 2022-23 (Rs. In lakh): 10,00000.00

c. Achievements of physical outcome under TSP during 2022-2023

Sl. No.	Description	Unit	Achievements
1	Change in family income	%	14
2	Change in family consumption level	%	16
3	Change in availability of agricultural implements/ tools etc.	No. per household	25

d. Location and Beneficiary Details during 2022-2023

District	*Sub-district*	*No. of Village covered*	*Name of village(s) covered*	*ST population benefitted (No.)*		
				M	F	T
Rayagada	Gunupur	1	Nilamguda	72	42	114
		2	Srirampur	14	9	23
		3	Turkaniguda	42	24	66
		4	Armada	36	14	50
		5	Bada Achhaba	18	8	26
		6	Bagsola	73	19	92
		7	Chalkamba	52	13	65
		8	Pradhaniguda	54	23	77
		9	Gugurpang	68	21	89
		10	Badabangi	11	4	15
		11	Kalma	9	5	14
		12	Nuagaon	7	5	12
		13	Tolana	22	13	35
		14	Pagadabili	17	7	24
		15	Rupapadar	48	23	71
		16	Nalpanda	39	11	50
		17	Garanda	31	11	42
		18	Podosing	38	14	52
		19	Bhimpurguda	64	17	81
		20	Bhaleri Kudia	37	14	51
		21	Gumuda	9	7	16
		22	Chintaluguda	60	12	72
		23	Gulumunda	14	5	19

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

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

13. 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
1.	Progressive farmer	Sri Rajendra Kumar Nimalu	2022-23	Hon'ble Vice-Chancellor, OUAT, Bhubaneswar	Certificate	Progressive farmer award during OUAT farmers fair

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

Assessment on rice varieties in rain-fed medium land:
Medium duration rice var. Kalinga Dhan 1203 gives 11.2% higher yield than var. MTU 1001, suitable for rain-fed medium land, maturity: 130-135 days and resistant to sheath blight, BPH and leaf folder.

Demonstration on short duration rice variety Santha Bhima (CR Dhan 102) in rain-fed uplands

Paddy var. CR Dhan 102 gives 18.5 % more yield than farmers existing var. Khandagiri and it has higher BC ratio 1.63 as compared to that of Khandagiri is 1.37. This variety has been suitable for rainfed uplands.

Demonstration on management of fall armyworm (*Spodoptera frugiperda)* in Maize
Dusting Chlorpyriphos 1.5% D, Chloropyriphos + Cypermethrin and Chlorantraniliprole 18.5% SC alternately at 10 days interval performed well with 21.7% more yield as compared to farmers' practice.

15. 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
-	-	-	-	-	-	-	-	-

16. 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
1.	Pond	0.4	Fish –5 q	7200	70000	15	39
2.	Paddy	0.2	8.0 q seed	9000	25600		
3.	Pigeon pea	0.1	1.0 q	5000	10000		
4.	Coconut	0.05	80 plants planted	2000	-		
5.	Banana	0.05	200 plants planted	1500	5000		
6.	Vegetable	0.07	Pumpkin and papaya,	2500	5500		

17. 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.	Varietal replacement in rice	Cultivation of rice varieties in rain-fed medium land Kalinga Dhan 1203	39390	48	
2.	Sucking pest management in chilli.	Seed treatment with Imidachloprid 600FS @ 5ml /kg seed and foliar spraying of Spiromesifen 22.9%SC @ 0.8 ml/ l of	294375	24	

		water twice at 30 and 45 DAT can significantly reduce the incidence of sucking pest complex (thrips and mite) in chilli.			
3.	Paddy straw mushroom	Pre-soaking of the paddy straw bundle with Calcium carbonate to control competitor moulds growth like Coprinus spp., Aspergillus spp. etc.	96/ bed	83	
4.	Wet Land Power Weeder in Paddy	Weeding in paddy field by using wet land power weeder	31750	36	
5.	Different planting times for better market price of tomato	Cultivation of tomato by planting of seedlings 1 month after completion of normal planting period.	354056	28	
6.	Short duration rice variety	Cultivation of Short duration rice variety Santha Bhima (CR Dhan 102) in rain-fed uplands	29188	62	
7.	Management sheath blight in rice.	Spraying of the combination fungicide Azoxystrobin+ difenconazole @ 1ml/l twice at 15 days interval starting from initiation of the disease was most effective to control sheath blight without any phytotoxicity and recorded highest yield.	35400	45	
8.	Management of fall armyworm (*Spodoptera frugiperda)* in Maize	Dusting 1.5% D Chlorpyriphos in bund @ 25 kg/ha just after germination, need based spraying of Chloropyriphos + Cypermethrin @ 2 ml/ lit and Chlorantraniliprole 18.5% SC @ 0.4 ml/ lit, alternately at 10 days interval.	195000	86	
9.	Pod borer management in pigeon	Maize as border crop, pheromone traps & helilure@20 nos./ha,	68520	87	

	pea	Spraying of Azadiractin 0.15% @ 1.5 l/ha at 50% flowering followed by Flubendiamide 48SC @ 200ml/ha (2ml/5 litre water) at pod formation stage and Bt @ 1kg/ha (2g/litre) at 15 days intervals.			
10.	Nutritional garden for Improving Nutritional Security of farm family	Nutritional Gardening in proper lay out involving vegetables(Spinach, Amaranthus, Coriander, Green peas, Carrot, Broccoli, Radish, Tomato, Onion, Cowpea, cucurbits and one drumstick) and fruits (Two Papaya Plants, One Lime and two Banana) for getting available nutrition year round.	4870	68	
11.	Bullock drawn puddler for puddling in paddy	Puddling with bullock drawn OUAT puddler. Suitable for small and medium size bullocks of Odisha, working with of 760 mm, weight of 41 kg, draft requirement of 50-55 kg	Cost saving (Rs./ha) 3240/ha	34	
12.	Paddy straw mushroom	Production of paddy straw mushroom with scrambled straw	Rs. 724/ 10 beds	55	
13.	Triple resistant tomato hybrid Arka Samrat	High yielding F1 hybrid with combined resistance to ToLCV, bacterial wilt and tolerant to early blight. Fruits are oblate to round, medium large (weight- 80-90g), deep red firm fruits. Suitable for fresh marketing and processing.	179000	75	
14.	Oyster mushroom *P. pulmonarius* in winter	Oyster mushroom (*Pleurotus pulmonarius*) cultivation in winter	Rs. 117/bed	43	

15.	Mini dry land Power Weeder in Maize	Field capacity- 0.06 ha/hr with petrol engine, 90-93% weeding efficiency and less than 1% plant damage. It has set of 2 circular discs with 4 no. of weeding tynes fixed on each disc.	Cost saving (Rs./ha) 4852	38	
16.	Single Row Vegetable Transplanter	Use of single row vegetable transplanter	Cost Saving (Rs/ha) 5868	26	

18. 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					

19. Information on Visit of Ministers 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)

20. a) Information on ASCI Skill Development Training Programme, if undertaken during 2022

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 SIP Portal (Y/N)	Fund utilized for the training (Rs.)
				SC		ST		Other			
				M	F	M	F	M	F		

b) Information on Skill Development Training Programme (Other than ASCI or less than 200 hrs., if any) if undertaken during 2022

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	

21. Information on NARI Project (if applicable)

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

22. Information on Krishi Kalyan Abhiyan Phase-III, if applicable

a) Training achievements

Name of KVK	*Period*	*No. of Training on diversified farming practices for doubling farmers' income organized*	*No. of farmers trained*	
			Male	*Female*
Rayagada (Odisha)	01.01.2022 to 31.12.2022	24	493	207

b) Other achievements

Sl. No.	**Particulars**	**January, 2022 to December, 2022**
1	Number of demonstrations other than oilseeds and pulses	12
2	Number of demonstrations on oilseed crops	-
3	Number of demonstrations on pulse crops	3
4	Number of farmers trained	1802
5	Number of participants in Extension activities	22317
6	Number of farmers for Mobile Advisory	35106
7	Production of seeds (in quintal)	171.24
8	Production of planting material (Number)	38430
9	Number of soil sample tested	202
10	Number of farmers covered in Climate Resilient villages	-
11	Number of farm families covered in Farmer FIRST project	-
12	ARYA project: Number of youth trained	-
13	ARYA project: Number of entrepreneurial activities started	-
14	Number of farm families in DFI villages	74

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

Sl. No.	Name of the programme	Date of the programme	Venue	Purpose	No. of participants

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

Assessment on rice varieties in rain-fed medium land Kalinga Dhan 1203

Assessment of sucking pest management in chilli

Assessment of Wet Land Power Weeder in Paddy

Assessment of weed management in onion

Assessment of Poultry breed in Backyard

Assessment of different planting times for better market price of tomato

Demonstration on short duration rice variety Santha Bhima (CR Dhan 102) in rain-fed uplands

Demonstration on sheath blight management in rice

Demonstration on management of fall armyworm (*Spodoptera frugiperda)* in Maize

Demonstration on pod borer management in pigeon pea

Demonstration of nutritional garden for Improving Nutritional Security of farm family

Demonstration on production of paddy straw mushroom with scrambled straw

Demonstration on triple resistant tomato hybrid Arka Samrat

Demonstration of oyster mushroom *P. pulmonarius* in winter

Demonstration of Mini dry land Power Weeder in Maize

Demonstration of Single Row Vegetable Transplanter

CFLD on pigeon pea / LRG-52

Agri-clinic in the KVK campus

PRA survey

Seed Production of rice

STRY Training programme on Scientific Beekeeping

Training programme on mushroom production

Training programme

Plantation of seedlings during Poshan Abhiyan

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