ANNUAL REPORT
2022
(January-December 2022)

KRISHI VIGYAN KENDRA, DEOGARH, ODISHA

Odisha University of Agriculture and Technology

ANNUAL REPORT 2022 (January 2022 to December 2022)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
	Office	FAX	
Krishi Vigyan Kendra, Deogarh Near Horticulture Farm, At/Po-Purunagarh, Dist-Deogarh, Pin-768119	06641-295265	-	kvkdeogarh.ouat@gmail.com

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

Address	Telephone		E mail
	Office	FAX	
Odisha University of Agriculture & Technology, Bhubaneswar	0674-2562509	-	deanextension_ouat@rediffmail.com deanextensionouat@yahoo.com deanee@ouat.nic.in

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Sujit Ku. Nath	Deogarh	9437360866	kvkdeogarh.ouat@gmail.com

1.4. Year of sanction of KVK: 2006

1.5. Staff Position (as on 1st Jan, 2023)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline/	Pay Scale with present basic	Date of joining	Permanent/ Temporary	Category (SC/ST/ OBC/ Others)
1	Senior Scientist& Head	Dr. Sujit Ku. Nath	Senior Scientist & Head	Agriculture Extension	22320-39100 AGP- 8000	17.05.2018	Permanent	General
2	Subject Matter Specialist	Sri Laba Soren	Scientist	Plant Protection	15600 – 39100 AGP-6000	24.12.2009	Permanent	ST
3	Subject Matter Specialist	Smt. Bijaya Laxmi Sahu	Scientist	Home Science	15600 – 39100 AGP-6000	26.07.2022	Permanent	General
4	Subject Matter Specialist	Sri Sabyasachi Sahoo	Subject Matter Specialist	Agronomy	15600 – 39100 AGP-5400	18.07.2018	Permanent	General
5	Subject Matter Specialist	Miss Sadhana Swastika	Subject Matter Specialist	Horticulture	15600 – 39100 AGP-5400	06.03.2019	Permanent	ST
6	Subject Matter Specialist	Vacant						
7	Subject Matter Specialist	Vacant						
8	Programme Assistant	Sri Chinmaya Mishra	Programme Asst. (Soil Sc.)	Soil Science	9300 – 34800 AGP-4200	28.12.2015	Permanent	General
9	Computer Programmer	Sri Gangadhar Moharana	Programme Asst. (Computer)	Computer	9300 – 34800 AGP-4200	0406.2021	Permanent	OBC
10	Farm Manager	Vacant						
11	Accountant / Superintendent	Vacant						
12	Stenographer	Sri Benudhar Moharana	Steno cum Computer operator	-	5200-20200 GP-2400	11.10.2006	Permanent	Others
13.	Driver	Sri Ugreswara Pati	Driver cum Mechanic	-	5200-20200 GP-1900	19.10.2016	Permanent	Others
14.	Driver	Sri Akrura Mohapatra	Driver cum Mechanic	-	5200-20200 GP-1900	22.05.2018	Permanent	SC
15.	Supporting staff	Krishna Ch. Rout	Peon-cum-watchman	-	4750-14680 GP-1700	07.11.2022	Temporary	Gen
16.	Supporting staff	Vacant						

1.6. **Total land with KVK (in ha)** :

S. No.	Item	Area (ha)
1	Under Buildings	1.5
2	Agro polytechnic	1.5
3	Under Demonstration Units	1.0
4	Under Crops	3.0
5	Orchard/Agro-forestry	1.8
6	Others with details	11.2
a	Rain water harvesting structure	0.4
b	Forest land	10.8
	Total	**20.0**

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	303.23	Use	ICAR
2.	Farmers Hostel					Totally completed	329.06	Use	ICAR
3.	Staff Quarters (6)					Totally completed	421.59	Use	ICAR
4.	Piggery unit								-
5	Fencing							Incomplete	RKVY
6	Rain Water harvesting structure							Not functioning	RKVY
7	Threshing floor					Totally completed	222.96	Use	RKVY
8	Farm godown					Totally completed	46.45	Use	ICAR
9.	Dairy unit								-
10.	Poultry unit					Totally completed		Use	RKVY
11.	Goatary unit								-
12.	Mushroom Lab					Totally completed	6.87	Use	RKVY
13.	Mushroom production unit								-
14.	Shade house					Totally completed	18.58	Use	RKVY
15.	Soil test Lab					Totally completed	92.90	Use	ICAR

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total km. Run	Present status
Mahindra Bolero	2017	8,00,000/-	99505	Good
Mahindra Tractor	2006	4,75,000/-	936 hrs	Good
Hero Honda Passion	2010	45,945/-	66662	Good

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
Drying cabinet	2018	19425.00	Good	ICAR
Decanter glass bottle with cap, 500 ml	2018	1262.00	Good	ICAR
ABBE refractometer	2018	14805.00	Good	ICAR
Crown cap sealing machine	2018	5985.00	Good	ICAR
Vacuum sealing machine	2018	1942.50	Good	ICAR
Electric motor operated pulse thresher	2018	84375.00	Good	ICAR
DE-stoner	2018	152287.00	Good	ICAR
Platform OE scale	2018	11328.00	Good	ICAR
Digital balance	2018	9971.00	Good	ICAR
Moisture meter for pulse	2018	16756.00	Good	ICAR
Portable back stitching machine	2018	7616.00	Good	ICAR
Sealing machine	2018	3186.00	Good	ICAR
Sampling trier(2.5cm dia)	2018	4130.00	Good	ICAR
Sampling trier(1.25cm dia)	2018	3186.00	Good	ICAR
Seed divider	2018	15930.00	Good	ICAR
Plastic crates	2018	9676.00	Good	ICAR
Fumigation cover	2018	7788.00	Good	ICAR
Dunnage material	2018	51861.00	Good	ICAR
Fire extinguisher	2018	10620.00	Good	ICAR
PE sheet	2018	10416.00	Good	ICAR
Seed processing unit with gravity separator	2018	1099674.00	Good	ICAR
b. Farm machinery				
Power Tiller	2017	155597.00	Good	ICAR
Brush cutter	2017	15999.00	Good	ICAR
Chain saw	2016	18000.00	Good	ICAR
c. AV Aids				
Canon DSLR camera	2018	50000.00	Good condition	ICAR
LG LED 43 Inch Smart	2018	44500.00	Good condition	ICAR
UPS(V GUARD)	2018	2120.00	Good condition	ICAR
Desktop computer	2018	108000.00	Good condition	ICAR
Chairman unit microphone	2019	7400.00	Good condition	ICAR
Delegate unit microphone	2019	92680.00	Good condition	ICAR
Conference system amplifier	2019	21020.00	Good condition	ICAR

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
Sprayer	2017	4410.00	Good	ICAR
Digger	2017	48300.00	Good	ICAR
Disc Plough	2017	25000.00	Good	ICAR

1.8. Details SAC meeting* conducted in the year

Sl.No.	Date	Number of Participants	Salient Recommendations	Action taken
1.	23.12.2022	20	To promote coriander in open field condition in the district and to conduct training on sweet orange cultivation	Training on promotion of coriander in kharif season was done in Saratala village. 12 farmers from Deojharan, Saratala, Kundapitha started coriander cultivation in backyard. Training on sweet orange cultivation was done in Khilabereni, Saralapal villages. Skill training on value addition of sweet orange was done in Chadheimara GP in collaboration with AICRP, PHM, CAET
			To promote suitable green gram variety for rabi season	Suitable green gram variety of green gram is not available from CPR or IIPR for Odisha condition. However demonstration under CFLD and pulse hub with new variety Virat was conducted in 40ha of Reamal and Barkote blocks
			To promote mushroom spawn unit, multi commodity processing unit, value addition of tomato and tamarind in the district	First ever private owned spawn production unit was established by Maa Ambika, SHG, Ganganali, technically supported by KVK. On campus tamarind value addition training was given inviting scientists from department of PHM, CAET. Value addition of tomato will be taken up extensively in this year
			Popularization of IFS in convergence	KVK has supported IFS developed by PD, watershed through its FLD and CFLD programmes. It is technically associated with IFS scheme of agriculture department
			To promote tomato processing unit	Skill training will be conducted in tomato processing activities in the coming months in village Kirtanpali, Dandasingha and Kansar
			To make orchard based IFS model in KVK campus. Inter institutional workshop or hybrid mode training on litchi and sweet orange to be done	Development of orchard based IFS in KVK campus is under progress involving both crop and non-crop components like poultry, goatery, mushroom unit, honey bee, vermicompost etc. Trainings on litchi and sweet orange will be conducted in this year

PROCEEDINGS OF THE 18th SCIENTIFIC ADVISORY COMMITTEE MEETING OF KRISHI VIGYAN KENDRA, DEOGARH

The 18th Scientific Advisory Committee (SAC) meeting of KVK, Deogarh was held at 10.30 AM on dt. 23.12.2022 in the training hall of KVK under the chairmanship of Dr. H.K.Sahoo, Deputy Director Extension Education, OUAT, Bhubaneswar. The meeting was organised both in physical and virtual mode. At the outset, Dr. Sujit Kumar Nath, Senior Scientist and Head welcomed the chairman as well as the members of the SAC meeting and briefed about the objectives of the meeting. He also highlighted the mandates and functioning of the KVK and continued the programme as per the agenda.

Agenda 1: Approval of the proceedings of last SAC meeting

The Senior Scientist and Head stated that the proceedings of the last SAC meeting was circulated to all the members. He also presented the action taken report on the recommendations of last SAC meeting.

The Senior Scientist and Head presented the following actions taken on the recommendations of last SAC meeting.

Sl.	Recommendation	Action taken
1	To promote coriander in open field condition in the district and to conduct training on sweet orange cultivation	Training on promotion of coriander in kharif season was done in Saratala village. 12 farmers from Deojharan, Saratala, Kundapitha started coriander cultivation in backyard. Training on sweet orange cultivation was done in Khilabereni, Saralapal villages. Skill training on value addition of sweet orange was done in Chadheimara GP in collaboration with AICRP, PHM, CAET
2	To promote suitable green gram variety for rabi season	Suitable green gram variety of green gram is not available from CPR or IIPR for Odisha condition. However demonstration under CFLD and pulse hub with new variety Virat was conducted in 40ha of Reamal and Barkote blocks
3	To promote mushroom spawn unit, multi commodity processing unit, value addition of tomato and tamarind in the district	First ever private owned spawn production unit was established by Maa Ambika, SHG, Ganganali, technically supported by KVK. On campus tamarind value addition training was given inviting scientists from department of PHM, CAET. Value addition of tomato will be taken up extensively in this year
4	Popularization of IFS in convergence	KVK has supported IFS developed by PD, watershed through its FLD and CFLD programmes. It is technically associated with IFS scheme of agriculture department
5	To promote tomato processing unit	Skill training will be conducted in tomato processing activities in the coming months in village Kirtanpali, Dandasingha and Kansar
6	To make orchard based IFS model in KVK campus. Inter institutional workshop or hybrid mode training on litchi and sweet orange to be done	Development of orchard based IFS in KVK campus is under progress involving both crop and non-crop components like poultry, goatery, mushroom unit, honey bee, vermicompost etc. Trainings on litchi and sweet orange will be conducted in this year

After a brief discussion on the action taken report, the proceeding of the last SAC meeting was approved.

Agenda 2: Achievements during the year Rabi-2021-22 and Kharif 2022-23

The Senior Scientist & Head presented the achievements made by KVK during the year Rabi-2021-22 & Kharif- 2022-23

On Farm Testing: Results of 05 OFTs conducted involving 35 farmers during the period to solve location specific problems were presented by the Senior Scientist and Head.

- An OFT was taken on assessment of PGR application for regular bearing in mango where two treatments were taken. TO_1: Application of Ethephon 5 to 8 sprays @ 200 ppm fortnightly interval & TO_2: Application of paclobutrazol 1.0 ml/meter canopy diameter. In case of TO_1 number offlowering shoot per branch was found to be 70.00 as compared to 68.48 in FP. In TO_2 number of flowering shoot per branch was found to be 77.93.
- An OFT was taken on assessment of IPM module for management of fruit sucking moth in sweet orange. TO_1: Foliar application of neem oil(1%) at 10 days interval& TO_2 : Poison bait and field sanitisation. In TO1 and TO_2 percentage of infestation was reduced to 14% and 10% as compared to 21% in FP.
- In Assessment of IDM module for management of Erwinia rot in banana, TO_1: Application of bleaching powder 2% @ 25 g/plant/month two inches away from pseudostem around the collar region up to four months & TO_2 : Drenching and foliar spray of copper oxychloride 50WP at 3 g/l + streptomycin sulphate 0.5 g/l at 15 days interval beginning from 15 days after planting . In TO_1 and TO_2 yield was increased to be 360 q/ha and 390 q/ha as compared to 324q/ha in FP.
- An OFT was taken on assessment of integrated weed management in kharif tomato. TO_1: Quizalofop-p-ethyl (Targa super) TO_2: Polythene sheet(30 micron). In TO_1 and TO_2 percentage of weed infestation was reduced to 14% and 10% as compared to 25% in FP.
- In assessment of assessment of different shapes of beds for cultivation of Paddy straw mushroom (Volvariella volvacea) using crumpled straw. TO_1: Square compact bed size (30 × 30 cm) :Mushroom production by using crumpled paddy straw 5kg, soaking of straw in water for 5hrs in 2% CaCo3, 14-20 days age spawn at 2% of dry substrate weight and coarsely ground horse gram powder (at 2% dry substrate weight) &TO_2 : Circular compact bed size -(45 cm diameter, 30 cm height):Mushroom production by using crumpled paddy straw 5kg, soaking of straw in water for 5hrs in 2% CaCo3, 14-20 days age spawn at 2% of dry substrate weight and coarsely ground horse gram powder (at 2% dry substrate weight). In TO_1 biological efficeency was reduced to 9.5 and in TO_2 it was increased to 14.8 as compared to 11.4 in FP.

Frontline Demonstrations: Results were presented of 12 FLDs conducted during rabi 2021-22 and Kharif 2022-23 involving 120 farmers in participatory mode.

- In demonstration on purple blotch disease management in onion, disease infestation was reduced to 11% as compared to 19% in FP.
- In demonstration on management of DBM in cabbage, yield was increased to 43.2% and percentage of infestation reduced to 9% compared to FP.
- In demonstration on sulphur management in onion, yield was increased to 33.34% as compared to FP.

- In demonstration on Bio-fertilizer consortia application for yield enhancement in pointed gourd yield was increased to 24% over FP and fruit quality also improved.
- In demonstration of cultivation of linseed in rice fallow, production was 6.7 q/ha.
- Demonstration programme was taken on management of fruit flies in pointed gourd; percentage of infestation reduced to 7%.
- In demonstration on management of fruit flies in spine gourd, yield was increased to 58.4q/ha and percentage of infestation reduced to 9%.
- In demonstration of high yielding rice variety Pratibha, yield increased to 39.6q/ha and no of panicles per hill increased from 12 to 15.5.
- Demonstration programme was taken on INM in groundnut, where no. of pod/plant increased from 14 to 21 and yield obtained was 21.4 q/ha.
- In Demonstration of preparation of value-added product from tamarind, net income obtained was 21,000.
- In Demonstration of Demonstration on vegetable seedling raising under poly tunnel, in kharif mortality rate reduced to 8%.

i) **Training:** During the year Rabi 2021-22, 36 nos of farmers and farm women, 3 nos of rural youth and 3 nos of in-service personnels training programme were conducted. During the period Kharif 2022-23, 18 nos of farmers and farm women,4 nos of rural youth and 3 nos of in-service personnels training programme were conducted.

ii) **Other Extension Activities:** KVK has also organised 134 other extension activities during year 2021-22 & 75 nos of other extension activities during the year kharif 2022-23 for dissemination

Agenda 3: Action Plan for 2023-24

The Senior Scientist and Head placed the Action Plan for 2023-24. Detail discussions were made on action plan.

OFTs to be conducted

- ✓ Assessment of IDM of rhizome scale in ginger**.**
- ✓ Assessment of IDM in sigatoka disease in Banana.
- ✓ Assessment of different shapes of bed for cultivation pf Paddy straw mushroom using crumbled straw.
- ✓ Assessment of different value added products from tomato.

FLDs to be conducted

- ✓ Demonstration on vegetable seedling raising under low cost poly tunnel.
- ✓ Demonstration on brooding management in poultry chicks.
- ✓ Demonstration on preparation of value added products from Jack fruit.
- ✓ Demonstration of preparation of value added products from tamarind.
- ✓ Demonstration on pod borer management in cowpea.
- ✓ Demonstration on management of thrips in pointed gourd.
- ✓ Demonstration on management of epilachna beetle in spine gourd.
- ✓ Demonstration on management of thrips in onion.
- ✓ Demonstration on application of calcium to control blossom end rot in guava.
- ✓ Demonstration on biofertiliser consortia application in spinegourd.

Agenda 4: Constraints of the KVK :

The Senior Scientist and Head presented the constraints faced by the KVK for smooth implementation of KVK activities.

i) Delaying of filling up of the post of scientists and section officer affects the technical and administrative work of the KVK.

ii) One bore well is not sufficient to manage the whole KVK campus during summer season.

Agenda 5: Suggestions of Hon'ble Members and Chairman, SAC:

1. ADH suggested to take OFT and FLD programme on Papaya, Sweet orange and Litchi.
2. CDAO suggested to test specific pesticides for control of BPH in rice.
3. PD, Watershed emphasized for giving suitable choice of variety of crops in farm pond areas and to provide solar pumpset to farmers.
4. District fisheries officer suggested to appoint fishery scientist in KVK.
5. LDM suggested to motivate SHGs groups for enhancing production activities.
6. CDVO suggested to promote Banaraj and Giriraj extensively.
7. GM DIC suggested to take up value addition programmes of different vegetables.
8. Secretary CSDR, NGO suggested to promote Kharif onion in upland.
9. Director CHES suggested to take of field trials thrips in onion and for large scale seedling production of tomato var. Arka rakshak and Arka samrat.
10. The chairman SAC, Deputy Director, DEE, OUAT, Bhubaneswar emphasized on crop mechanisation taking smaller equipments and major issues of crop science related activities to be taken up by KVK.

The chairman in his presidential remarks thanked all the members and special invitees and urged cooperation from all line departments for benefit of farming community of the district.

Senior Scientist and Head	**Deputy Director, DEE, OUAT**
Member secretary of SAC meeting	**Chairman**

LIST OF 18th SCIENTIFIC ADVISORY COMMITTEE MEMBERS OF KVK, DEOGARH 2022

Sl. No.	Name	Designation & Address
1.	Dr. Hemanta Kumar Sahoo	Deputy Director, DEE, OUAT, BBSR
2.	Sri Lokesh Pradhan	PD, DRDA, Deogarh
3.	Sri K. R. Rao	CDAO, Deogarh
4.	Sri Sarat Ku Behera	SDVO, Deogarh
5.	Sri Antaryami Sahoo	ADH, Deogarh, Member
6.	Sri Aditya Kumar Pradhan	LDM, Deogarh
7.	Sri Ramesh Kumar Patel	GM, DIC, Deogarh
8.	Er. Bijaya Laxmi Nayak	Asst. Engineer, PD Watershed, Deogarh
9.	Monalisha Patra	CEO, RFPCL, Reamal, Deogarh
10.	Ritarani Rout	NGO, CSDR, Deogarh
11.	Sri Maheswar Pradhan	Farmer representative, Ranjana, Member
12.	Smt. Sasmita Sahoo	Farmer representative, Budido, Member
13.	Smt. Janaki Patra	Farmer representative, Kailash, Member
14.	Smt. Manju Sahoo	Farmer representative, Kailash, Member
15.	Sri Sanatan Pradhan	Farmer representative, Chapabahal, Member
16.	Sri Madhaba Sahoo	Farmer representative, Tikilijharana, Member
17.	Nilamadhaba Sasmal	Principal, AGP, Deogarh
18.	Dr. Sujit Ku Nath	Senior Scientist and Head-cum-Member Secretary

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

Sl. no.	Item	Information
1	Major Farming system/enterprise	Mushroom, Pisciculture, Dairy, Goatery, Backyard poultry.Rice-Pulses, Rice-Vegetables, Rice-Oilseeds
2	Agro-climatic Zone	North-western Plateau
3	Agro ecological situation	Low rainfall lateritic soils
4	Soil type	Sandy loam
5	Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others	Rice(Kharif)-1925kg/ha, Rice(Rabi)-2650 kg/ha, Sesame(Kharif)-427 kg/ha, Sesame(Rabi)- 408 kg/ha Greengram(Kharif)-325 kg/ha, Greengram(Rabi)-377 kg/ha Mango- 2234 kg/ha, Litchi-3800 kg/ha Sweet orange-8970 kg/ha
6	Mean yearly temperature, rainfall, humidity of the district	26.5, 1585.5mm, 53

7	Production of major livestock products like milk, egg, meat etc.	Meat- 30qtl, Egg-20000

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

Name of the villages adopted by PC and SMS (2022) for its development and action plan

Name of village	Block	Action taken for development
Rukuda	Tileibani	1. Doubling of income of tribal farmers through convergence of various government programmes and technological backstopping. 2. Formation of vegetable and fruit producer company
Tikilijharana	Tileibani	1. Cluster demonstration programme of pulses in rice fallow. 2. FLD on biofertiliser consortia application in cowpea.
Hinjilita	Barkote	1. Seed production programme under seed hub. 2. Cluster demonstration programme of pulses in rice fallow.
Kirtanpalli	Reamal	1.Trellies system in bittergourd introduced. 2. New rice variety swarnashreya introduced. 3. Paddy straw and Oyster mushroom cultivation round the year. 4. Training programme on beekeeping was conducted and 5 honeybee boxes were installed in the village. 4. CFLD programme on pulse and oilseed was taken for development. 5. FLD on biofertiliser consortia application in cowpea.
Deojharan	Barkote	1. Watermelon and pumpkin seeds provided under SCSP programme. 2. Spine gourd cultivation in trellies.

2. c. Details of village adoption programme:

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	Tileibani	Tileibani	Kalchipadadihi	Rice, Tomato, seasonal vegetables, Goatery	Acidic soil, imbalance fertilizer application, pest and diseases	Acid soil management, crop diversification, off-season vegetables cultivation, INM, IPM
2	Tileibani	Tileibani	Kailash	Rice, Sunflower, Mushroom, Goatery, pisciculture, poultry	Acidic soil, imbalance fertilizer application, pest and diseases	Acid soil management, crop diversification, off-season vegetables cultivation, INM, IPM
3	Tileibani	Tileibani	kurod	Rice, vegetables, pulses	Acidic soil, imbalance fertilizer application, pest and diseases	Acid soil management, crop diversification, off-season vegetables cultivation, INM, IPM
4	Reamal	Reamal	Kirtanpali	Rice, Vegetables, Apiculture, Pisciculture, Mushroom	Acidic soil, imbalance fertilizer application, pest and diseases	Acid soil management, crop diversification, off-season vegetables cultivation, INM, IPM
5	Barkote	Barkote	Jhumpura	Rice, Pulses, Vegetables, Fruits	Acidic soil, imbalance fertilizer application, pest and diseases	Acid soil management, crop diversification, off-season vegetables cultivation, INM, IPM

2.1 Priority thrust areas

S. No	Thrust area
1.	Yield enhancement of cereals, pulses, oilseeds, fruit & vegetable crops through improved crop management strategies
2.	Popularize diversified cropping pattern in upland & medium land situation
3.	Promote INM & IPM modules in different crops
4.	Economic empowerment of farm women through alternate income generating activities
5.	Emphasize on increasing productivity of fruits like Mango, Banana, Citrus & Litchi
6.	Promote cultivation of off season & exotic vegetables (Non-traditional) for higher income
7.	Agro based income generation activities to rural youths and farm women
8.	Strengthening of marketing channels
9.	Need based IFS models for small farm holders

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
05	05	35	3	2	6	08	13	03	22	13	35	11	11	110	05	03	32	15	35	20	72	38	110

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
54	54	1390	45	35	140	95	760	300	800	430	1390	215	215	4405	150	119	450	320	2879	2379	2979	1426	4405

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	215	215	150	119	450	320	2879	2379	2979	1426	4405	150

Seed production (q)		Planting material (in Lakh)	
Target	Achievement	Target	Achievement
4.0	5.0	1.0	1.06

Livestock strains and fish fingerlings produced (in lakh)*		Soil, water, plant, manures samples tested (in lakh)	
Target	**Achievement**	**Target**	**Achievement**
-	-	1000	1000

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	1	-	1	3.96	3.96	-	-
Seminar/conference/ symposia papers							
Books							
Bulletins	1						
News letter	2						
Popular Articles	2						
Book Chapter							
Extension Pamphlets/ literature	3						
Technical reports	15						
Electronic Publication (CD/DVD etc)	5						
TOTAL	**29**						

1 Achievements on technologies assessed and refined

OFT- 01

1.	Title of On Farm Trial	Assessment of integrated weed management in *kharif* tomato
2.	Problem diagnosed	Lower yield due to high weed infestation and high cost of manual weeding
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO_1 Quizalofop-p-ethyl (Targa super) TO_2 Mulching with Polythene sheet(30 micron)
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	Source: ICAR News 2016, ICAR-Directorate of Weed Research
5.	Production system and thematic area	Integrated weed management.
6.	Performance of the Technology with performance indicators	Weed intensity, % weed infestation, Cost of intervention. Additional income over additional investment Yield (q/ha), B:C ratio
7.	Final recommendation for micro level situation	Mulching with Polythene sheet(30 micron)
8.	Constraints identified and feedback for research	Availability of mulching material in local market
9.	Process of farmers participation and their reaction	Farmers satisfied with this technology but initial investment is little bit costly

Thematic area: Integrated weed management.

Problem definition: Lower yield due to high weed infestation and high cost of manual weeding

Technology assessed: Assessment of integrated weed management in *kharif* tomato

Result

Technology option	No. of trials	Yield (q/ha)	Cost of cultivation(Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
FP	7	256.4	140941	380541	239600	2.7
TO1	7	278.6	148833	416733	267900	2.8
TO2	7	328.2	144291	490591	346300	3.4

OFT- 02

1.	Title of On Farm Trial	Assessment of IDM module for management of Erwinia rot in banana
2.	Problem diagnosed	Low yield due high mortality in plant population by Erwinia rot
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP: Use of Mancozeb @ 2g/lit after severe infection TO_1 Application of bleaching powder 2% @ 25 g/plant/month two inches away from pseudostem around the collar region upto four months TO_2 Drenching and foliar spray of copper oxychloride 50WP at 3 g/l + streptomycin sulphate 0.5 g/l at 15 days interval beginning from 15 days after planting
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	ICAR-NRCB, 2011
5.	Production system and thematic area	Integrated disease management
6.	Performance of the Technology with performance indicators	TO_1- Application of bleaching powder at pseudostem around the collar region upto four months was found most effective TO_2-Drenching and foliar spray of combination of fungicide and bactericide at 15 days interval beginning from 15 days after planting suppress the bacterial growth
7.	Final recommendation for micro level situation	Timely application pesticides and other cultural practices
8.	Constraints identified and feedback for research	Infection occurs after 45 days of planting and continue upto fruiting stage. Hence, it is difficult to control without studying the disease cycle and predisposing factors.
9.	Process of farmers participation and their reaction	Farmers able to check the rotting of the plant and they need some new technologies to control other diseases in banana.

Thematic area: Integrated pest management

Problem definition: Low yield due high mortality in plant population by Erwinia rot

Technology assessed: FP: Use of Mancozeb @ 2g/lit after severe infection

TO_1 Application of bleaching powder 2% @ 25 g/plant/month two inches away from pseudostem around the collar region upto four months

TO_2 Drenching and foliar spray of copper oxychloride 50WP at 3 g/l + streptomycin sulphate 0.5 g/l at 15 days interval beginning from 15 days after planting

Table: 5

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.)						
FP	7									
TO_1	7				Continuing					
TO_2	7									

OFT- 03

1.	Title of On Farm Trial	Assessment of IPM module for management of fruit sucking moth in sweet orange
2.	Problem diagnosed	Fruit sucking moth causes fruit drop at colour breaking stage
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP- Fire in every evening hour in orchard which fails to control the population of the moths TO_{1-} Removal of alternate host, installation of light trap, poison bait, foliar application of neem oil(1%) at 10 days interval at coinciding with colour breaking stage. TO_2- Hanging of polypropylene sachets with acephate 75% SP 10g @ 2nos./tree at coinciding with colour breaking stage
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	TO_{1-} Annual Report, ICAR-NRCC, 2016 TO_{2-} ICAR-CCRI, 2018
5.	Production system and thematic area	Integrated Pest Management
6.	Performance of the Technology with performance indicators	TO_1-Removal of alternate host arrest pest population, light trap & poison bait attract the moth, fumigation & spraying repel the moth colour breaking stage of

		fruits TO_2-Hanging polypropylene sachets with Acephate 75% SP act as a repellent of moth to the orchard.
7.	Final recommendation for micro level situation	Timely installation of poison bait, light traps and other cultural practices
8.	Constraints identified and feedback for research	Infestation occurs during colour breaking stage of fruits, nocturnal in nature and having several alternate hosts. Hence, it is difficult to control without studying the insect biolgy.
9.	Process of farmers participation and their reaction	Farmers are not able to manage the moth with technology as the moth attracted towards light rather bait

Thematic area:

Problem definition: Fruit sucking moth causes fruit drop at colour breaking stage.

Technology assessed: FP- Fire in every evening hour in orchard which fails to control the population of the moths
TO_1- Removal of alternate host, installation of light trap, poison bait, foliar application of neem oil(1%) at 10 days interval at coinciding with colour breaking stage.
TO_2- Hanging of polypropylene sachets with acephate 75% SP 10g @ 2nos./tree at coinciding with colour breaking stage.

Table: 6

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.)						
FP	7	-	-	-	18	122	165000	366000	201000	2.22
TO1	7	-	-	-	8	156	185000	468000	283000	2.53
TO2	7	-	-	-	11	145	190000	435000	245000	2.29

OFT- 04

1.	Title of On Farm Trial	Assessment of different value added products from tomato
2.	Problem diagnosed	Distress sale, spoilage due to highperishability without any value addition

3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO_1: Preparation of Tomato Puree. TO_2: Preparation of Tomato Sauce /ketch up
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	Source: PHT Centre,TNAU,2015
5.	Production system and thematic area	Homestead Value addition
6.	Performance of the Technology with performance indicators	Sensory evaluation, Market acceptability
7.	Final recommendation for micro level situation	Value addition with proper packaging will be a very good income in lacal market
8.	Constraints identified and feedback for research	Availability of Packaging material
9.	Process of farmers participation and their reaction	Value addition in tamato increases profit margin and goodmarket demand

Thematic area: Value addition

Problem definition: Distress sale, spoilage due to high perishability

Technology assessed: Preparation of tomato concentrate: Preparation of tomatoes concentrate by cooking tomato juices to desired consistency (36 to 38 brix) bottling hot by pasteurizing the concentrate in hot water for 20 minutes.

Result

Technology option	**No. of trials**	**Yield component**			**Yeild (kg/q)**	**Cost of cultivation (Rs./ha)**	**Gross return (Rs/ha)**	**Net return (Rs./ha)**	**BC ratio**
		Selling price/q							
FP	7	1000			100	185000	344000	300	1.6
TO1	7	7800			25	195000	385000	4900	3.00
TO2	7	9860			28	200000	406000	5350	3.40

OFT- 05

1.	Title of On Farm Trial	Assessment of different shapes for cultivation of Paddy straw mushroom (*Volvariella volvacea)* using crumpled straw.
2.	Problem diagnosed	Less production in paddy straw mushroom using crumpled straw due to inappropriate shape
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO1: Square compact bed size (30 × 30 cm) TO2: Circular compact bed size -(45 cm diameter, 30cm height)
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	Department ofPlant Pathology, Tamil Nadu Agricultural University, Coimbatore- 2012
5.	Production system and thematic area	Homestead/Backyard Income generation
6.	Performance of the Technology with performance indicators	Average weight/button (g),Pin head appearance (days)Biological efficiency (%),
7.	Final recommendation for micro level situation	Maximum yield was observed in Square compact bed size (30 × 30 cm)
8.	Constraints identified and feedback for research	Care is needed for watering and management of mushroom bed.
9.	Process of farmers participation and their reaction	Farm women were much acquainted with the practice and waste straw can be utlised income generation.

Thematic area: Income generation

Problem definition: Less production in paddy straw mushroom using crumpled straw due to inappropriate shape

Technology assessed: Assessment of different shapes for cultivation of Paddystraw mushroom (*Volvariella volvacea)* using crumpled straw

Table 4

Technology option	No. of trials	Yield component Biological efficiency	Yield (kg/bed)	Cost of cultivation (Rs./100beds)	Gross return (Rs/100beds)	Net return (Rs./ha)	BC ratio
FP	7	11.4	0.650	5200	13000	7800	1.90
TO1	7	9.5	0.445	5000	8800	3800	1.45
TO2	7	14.8	0.748	5560	14860	9200	2.84

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	Prativa(Duration-125 days, Potential yield-52.3 q/ha, Adaptabiliy-Rainfed and irrigated medium land, yield advantage-12% over lalat, Resistant to brown spot and guume discolouration)	2 ha	2 ha	7				13		20			

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					
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 2022	Rainfed	Sandy loam	256	26	126.2	Green gram	25.06.2022	05.11.2022	165.40	13
Rice	Kharif 2022	Rainfed	Sandy loam	144	28.5	122.4	Fallow	18.06.2022	22.10.2022	182.07	14

Performance of FLD

Oilseeds:

Frontline demonstrations on oilseed crops

Crop	Thematic Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Groundnut	Integrated nutrient management	Soil test based NPK+ sulphur 30 kg/ ha + boron @1.25 kg/ha(Borax)	10	1.0	21.0	17.0	22.28	48605	102690	54085	2.31	46000	83130	37130	1.56

Pulses

Frontline demonstration on pulse crops

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

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
Pointed gourd	Integrated Pest Management	Installation of Cuelure (para pheromone trap) @ 8 nos. per hactre to attract and trap male fruit flies followed by™ spray Indoxacarb 14.5% SC @ 0.5 ml/l before maturity of fruits	10	1.0	154.8	132.4	16.9			140000	387000	247000	2.76	130000	331000	201000	2.55
Spine gourd	Integrated Pest Management	Installation of Cuelure (para pheromone trap) @ 8 nos. per hactre to attract and trap male fruit flies followed by™ spray Indoxacarb 14.5% SC @ 0.5 ml/l before maturity of fruits	10	1.0	58.4	46.2	26.4			120000	350400	230400	2.92	100000	277200	177200	2.77
Chilli	Integrated disease management	Combination of fungi toxicants like Carbendazim (25%) + Flusilazole (12.5%) 37.5 SC exhibited maximum mycelia growth inhibition of pathogenic fungi	10	1.0	57.4	44.5	29			128000	344400	216400	2.69	105000	267000	162000	2.54

Potato	Integrated disease management	Prophylactic spraying with contact fungicides like chlorothalonil (0.2%) before the closure of canopy followed by spraying with Cymoxanil 50% WP @ 3g/lit after emergence of disease symptom	10	1.0													
Ginger	Varietal evaluation	Var. Subhada ginger rhizome skin color is glazy covered with brown scale leafs, cylindrical medium bold finger with short internode. yield 18 t/ha and 26.8% higher than suprava	10	199.3	141.3	199.3	19.05	12.1	182000	697550	515521	3.83	152000	494550	342521	2.0	3.25
Cowpea	Integrated nutrient management	Inoculation of azotobactoer, azospirilum and PSM per kg each ha-1 along with pre-limed (5%) FYM (1:25) for 7 days at 30% moisture and applied in the rhizosphere on the day of planting or sowing	10	1.0	148.4	126.5	17.3	-	-	110000	296800	186800	2.70	100000	253000	153000	2.53

Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of units	Mortality		% change in major parameter	Body weight		*Economics of demonstration (Rs.) for 100 birds				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Poultry	Income Generation	Demonstration on brooding management in poultry chicks	10	10	0	12		265	220	4200	7000	2800	2.04	2800	4500	1800	1.4

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																

Other enterprises

Category	Name of the technology demonstrated	No. of Farmer	No. of units			% change in major parameter			*Economics of demonstration (Rs.) or Rs./unit				*Economics of check (Rs.) or Rs./unit			
				Demonstration	Check		Demonstration Ration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Nursery raising of vegetables	Demonstration on vegetable seedling raising under poly tunnel	10	10	9200(no.of seedlings)/unit of 3x1sqm	6400(no.of seedlings)/unit of 3x1sqm	41	8 Mortality of seedlings	33 Mortality of seedlings	350	9250	8900	3.4	220	5370	5150	2.15
Value addition in Tamarind	Demonstration of preparation of value-added product from tamarind	10	10	224kg/qntl	70kg/qntl				19600	44600	21000	1.8	4200	6000	1800	2.48

Value addition in jackfruit	Demonstration of preparation of value-added product from jack fruit	10	10	On going												
Total		30	30													

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 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										
Greengram										
Blackgram										
Bengalgram										
Redgram										
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 satisfied with the performance of the technology but they don't know about the processing of oil
2	Sweet orange	Farmers are not satisfied with the performance of the technology as the moth less attracted towards the poison bait
3	Mango	As the year was (on year) in mango so no such significant difference was found in yield
4	Banana	Farmers able to check the rotting of the plant and they need some new technologies to control other diseases in banana.
5	Tomato	farmers satisfied with this technology but initial linvestment is little bit costly
6	Onion	Farmers satisfy with the technology but Bio-pesticides are not available in local markets
7	Cabbage	Farmers satisfy with the technology but new generation insecticides are not available in local markets

Extension and Training activities under FLD

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	12.01.22 & 09.02.22	2	100	
2.	Farmers Training	14.1.22, 05.02.22, 08.04.22, 20.05.22 & 17.06.22	5	150	
3.	Media coverage	05.12.22, 16.10.22 & 07.09.22	5	450	
4.	Training for extension functionaries	18.08.22, 23.09.22,11.10.22 & 09.12.22	4	40	

Performance of the demonstration under CFLD on Pulse and Oilseed Crops during Kharif 2022 and Rabi 2022-23:

1. <u>CFLD on Pulses during Rabi 2022-23</u>

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	Pigeonpea (LRG-52)	Local	8.2	115.0	76.0	920.0	Variety: LRG-52, seed treatment with Vitavax (carboxin + thiram) @ 2g per 1kg of seed, line sowing in spacing 75 cm X 30 cm., application of pre-emergence herbicide Pendimethalin 30 % EC @3 lit/ha, soil test based fertiliser,	50	20	14.34	7.82	11.08	39.93	55.88	68.69

							micronutrient & WSF foliar nutrient recommendation and release of *Trichogramma chilonis* with need based plant protection measures								

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	Variety: LRG-52, seed treatment with Vitavax (carboxin + thiram) @ 2g per 1kg of seed, line sowing in spacing 75 cm X 30 cm., application of pre-emergence herbicide Pendimethalin 30 % EC @3 lit/ha, soil test based fertiliser, micronutrient & WSF foliar nutrient recommendation and release of *Trichogramma chilonis* with need based plant protection measures	32,500	73,800	41,300	2.27	40,600	99,720	59,120	2.45

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	Pigeonpea (LRG-52)	1108.0	800.0	90/-	60.0	200.0	Agriculture & household needs	98

D. Pulse 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	High yielding variety, seed treatment, Integrated Weed Management, Integrated Nutrient Management and Integrated Pest Management	Suitable	LRG-52 variety obtaining good yield in Deogarh district climate	Yes	No	Yes	This new high yielding variety (LRG-52) of pigeon pea should be available consistently 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
High yielding variety	Enhancement of yield	Enhancement of yield against local check	Farmer observed and assessed specific characteristics of the demonstrated technologies and will adopt the technologies in subsequent years for crop production.
Seed treatment	Reduce disease incidence	Reduce disease incidence against local check	
Pre-emergence herbicide	Check weed infestation	Reduce weed infestation against local check	
Fertilizer management	WSF and micronutrient application improves fruit setting	More seed setting from flower than local check	
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	Field day	Village-Hetkhamar on dt.07.01.2023	45

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

9. Farmers' training photographs

Field visit with Agriculture department officials

10. Quality Photographs of field visits/field days and technology demonstrated.

Releasing bio-control agents in crop field

J. Details of budget utilization:

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Pigeonpea (variety: LRG-52)	i) Critical input	1,64,000/-	1,64,000/-	Nil
	ii) TA/DA/POL etc. for monitoring	8,000/-	8,000/-	Nil
	iii) Extension Activities (Field day)	5,000/-	5,000/-	Nil
	iv)Publication of literature	3,000/-	3,000/-	Nil
	Total	**1,80,000/-**	**1,80,000/-**	**Nil**

2. <u>CFLD on Oilseed during Rabi 2022-23</u>

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	Toria	M-27	5.28	40.6	4.24	12.50	Variety Sushree + seed treatment + soil test based fertilizer, Micronutrient & WSF foliar nutrient	30	10	9.72	5.58	7.65	139.40	129.24	28.60

							recommendation, application of COC for white rust & black spot management and application of Emamectin Benzoate and bio-agents (Trichocards) for siliqua borer management							

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	Variety Sushree + seed treatment + soil test based fertilizer, Micronutrient & WSF foliar nutrient recommendation, application of COC for white rust & black spot management and application of Emamectin Benzoate and bio-agents (Trichocards) for siliqua borer management	15,600/-	31,680/-	16,080/-	2.03	18,700/-	45,900/-	27,200/-	2.45

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	Variety Sushree + seed treatment + soil test based fertiliser, Micronutrient & WSF foliar nutrient recommendation, application of COC for white rust & black spot management and application of Emamectin Benzoate and bio-agents (Trichocards) for siliqua borer management	765	200	60/-	20.0	40.0	Livelihood support	28

D. Oilseed 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	Variety Sushree + seed treatment + soil test based fertiliser, Micronutrient & WSF foliar nutrient recommendation,	Suitable	Sushree variety obtaining good yield in Deogarh district climate	70%	No	60-70%	Demonstrated technology should be spread through different extension activities and variety should be available consistently to the

	application of COC for white rust & black spot management and application of Emamectin Benzoate and bio-agents (Trichocards) for siliqua borer management						farmers for higher production.

E. Specific Characteristics of Technology and Performance:

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
High yielding variety	Enhancement of yield	Enhancement of yield against local check	Farmer observed and assessed specific characteristics of the demonstrated technologies and will adopt the technologies in subsequent years for crop production
Seed treatment	Reduce disease incidence	Reduce disease incidence against local check	
Pre-emergence herbicide	Check weed infestation	Reduce weed infestation against local check	
Fertilizer management	WSF and micronutrient application improves fruit setting	More seed setting from flower than local check	
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	Field day	Village-Kirtanapali , Block-Reamal (Dt.13.01.2023)	45

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

H. Farmers' training photographs

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

Release of Bio-control agents under IPM

Field visit during crop maturity stage

Field Day and visit of Dr. Arvind Kumar, Assistant Director, Directorate of Rice Development, Govt. of India, Patna

J. Details of budget utilization:

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Toria (Var.-Sushree)	i) Critical input	52,000/-	52,000/-	Nil
	ii) TA/DA/POL etc. for monitoring	4,000/-	4,000/-	Nil
	iii) Extension Activities (Field day)	2500/-	2500/-	Nil
	iv)Publication of literature	1,500/-	1,500/-	Nil
	Total	**60,000/-**	**60,000/-**	**Nil**

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													
Off0season vegetables													
Nursery raising													
Exotic vegetables													
Export potential vegetables													
Grading and standardization													
Protective cultivation													
Others													
Total (a)													
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													

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 (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 processing													

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 & 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													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others													
Total													
VII. Plant Protection													
Integrated Pest Management													
Integrated Disease Management													
Bio0control of pests and diseases													
Production of bio control agents and bio pesticides													
Others													
Total													
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													
Bio0agents production													
Bio0pesticides 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
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													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others													
Total													
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													
Training and pruning of orchards													
Protected cultivation of vegetable crops													
Commercial fruit production													
Integrated farming													
Seed production													
Production of organic inputs	1	15	0	15	0	0	0	0	0	0	15	0	15
Planting material production													
Vermiculture													
Mushroom Production													
Beekeeping	1	15	0	15	1	0	1	0	0	0	15	0	15
Sericulture													

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
Repair and maintenance of farm machinery and implements													
Value addition	2	0	22	22	0	2	2	0	6	6	0	30	30
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													
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													
Total	**4**	**30**	**22**	**52**	**1**	**2**	**3**	**0**	**6**	**6**	**30**	**30**	**60**

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													
Integrated Pest Management	2	10	4	14	2	0	2	3	1	4	15	5	20
Integrated Nutrient management	2	12	2	14	2	1	3	3	0	3	17	3	20
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	2	15	1	16	4	0	4	0	0	0	0	20	20
Formation and Management of SHGs	2	16	1	17	3	0	3	0	0	0	0	20	20
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													

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 in farm animals													
Livestock feed and fodder production													
Household food security	2	0	14	14	0	4	4	0	2	2	0	20	20
Other													
Total	**10**	**53**	**22**	**75**	**11**	**5**	**16**	**6**	**3**	**9**	**32**	**68**	**100**

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													
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	2	13	2	13	1	0	1	20	9	16	34	11	45
Off0season vegetables													
Nursery raising													
Exotic vegetables	2	18	3	21	3	0	1	21	8	29	42	13	55
Export potential vegetables													
Grading and standardization	2	14	2	22	5	2	7	25	12	37	44	16	60
Protective cultivation													
Others													
Total (a)	**6**	**13**	**3**	**21**	**3**	**0**	**1**	**21**	**8**	**29**	**120**	**40**	**160**
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)													

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
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	1	5	2	7	2	0	2	8	4	12	15	6	21
Integrated water management													
Integrated Nutrient Management	3	18	3	21	3	0	1	21	8	29	42	13	55
Production and use of organic inputs	1	4	2	6	1	1	2	4	2	7	9	6	15
Management of Problematic soils	1	11	2	13	1	0	1	12	4	16	24	6	30
Micro nutrient deficiency in crops	3	24	6	36	10	2	11	32	8	40	66	16	82
Nutrient Use Efficiency													
Balance Use of fertilizer	3	30	6	36	10	1	11	32	10	42	72	18	90
Soil & water testing													
others													
Total	**12**	**92**	**21**	**119**	**27**	**4**	**28**	**109**	**36**	**146**	**228**	**65**	**360**
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	0	54	54	0	0	0	0	6	6	0	60	60

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
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Processing & cooking	1	0	20	20	0	3	3	0	7	7	0	30	30
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Value addition	2	0	54	54	0	0	0	0	6	6	0	60	60
Women empowerment	3	0	72	72	0	8	8	0	10	10	0	90	90
Location specific drudgery reduction technologies	1	0	26	26	0	3	3	0	1	1	0	30	30
Rural Crafts													
Women and child care													
Others	3	0	78	78	0	6	6	0	6	6	0	90	90
Total	**12**	**0**	**304**	**304**	**0**	**20**	**20**	**0**	**36**	**36**	**0**	**360**	**360**
VI. Agril. Engineering													
Farm machinery & its maintenance													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others													
Total													
VII. Plant Protection													
Integrated Pest Management	8	65	15	70	11	11	22	72	34	106	158	60	218
Integrated Disease Management	3	27	5	32	8	2	10	32	12	44	67	19	86
Bio0control of pests and diseases													
Production of bio control agents and bio pesticides													
Others	1	11	2	13	1	0	1	12	4	16	24	6	56
Total	**12**	**103**	**202**	**115**	**20**	**13**	**33**	**116**	**50**	**166**	**249**	**85**	**360**
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													

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													
IX. Production of Input at site													
Seed Production													
Planting material production													
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													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others													
Total													
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL	**42**	**208**	**530**	**559**	**50**	**37**	**82**	**246**	**130**	**377**	**597**	**550**	**1240**

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													
Training and pruning of orchards													
Protected cultivation of vegetable crops													
Commercial fruit production													
Integrated farming													
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 Production													
Beekeeping													
Sericulture													
Repair and maintenance of farm machinery and implements													
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													
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													
Total													

F) Extension Personnel (Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
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													
Low cost and nutrient efficient diet designing													
Group Dynamics and farmers organization													

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
Information networking among farmers													
Capacity building for ICT application													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Other													
Total													

G) Consolidated table (ON and OFF Campus)

i. Farmers& Farm Women

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management													
Resource Conservation Technologies													
Cropping Systems													
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	2	13	2	13	1	0	1	20	9	16	34	11	45
Off0season vegetables													
Nursery raising													
Exotic vegetables	2	18	3	21	3	0	1	21	8	29	42	13	55
Export potential vegetables													
Grading and standardization	2	14	2	22	5	2	7	25	12	37	44	16	60
Protective cultivation													
Others													
Total (a)	**6**	**13**	**3**	**21**	**3**	**0**	**1**	**21**	**8**	**29**	**120**	**40**	**160**
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													

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 (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	1	5	2	7	2	0	2	8	4	12	15	6	21
Integrated water management													
Integrated Nutrient Management	3	18	3	21	3	0	1	21	8	29	42	13	55
Production and use of organic inputs	1	4	2	6	1	1	2	4	2	7	9	6	15
Management of Problematic soils	1	11	2	13	1	0	1	12	4	16	24	6	30
Micro nutrient deficiency in crops	3	24	6	36	10	2	11	32	8	40	66	16	82
Nutrient Use Efficiency													
Balance Use of fertilizer	3	30	6	36	10	1	11	32	10	42	72	18	90
Soil & water testing													
others													
Total	**12**	**92**	**21**	**119**	**27**	**4**	**28**	**109**	**36**	**146**	**228**	**65**	**360**
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Animal Nutrition 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
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	0	54	54	0	0	0	0	6	6	0	60	60
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Processing & cooking	1	0	20	20	0	3	3	0	7	7	0	30	30
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Value addition	2	0	54	54	0	0	0	0	6	6	0	60	60
Women empowerment	3	0	72	72	0	8	8	0	10	10	0	90	90
Location specific drudgery reduction technologies	1	0	26	26	0	3	3	0	1	1	0	30	30
Rural Crafts													
Women and child care													
Others	3	0	78	78	0	6	6	0	6	6	0	90	90
Total	**12**	**0**	**304**	**304**	**0**	**20**	**20**	**0**	**36**	**36**	**0**	**360**	**360**
VI. Agril. Engineering													
Farm machinery & its maintenance													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others													
Total													
VII. Plant Protection													
Integrated Pest Management	8	65	15	70	11	11	22	72	34	106	158	60	218
Integrated Disease Management	3	27	5	32	8	2	10	32	12	44	67	19	86
Bio0control of pests and diseases													
Production of bio control agents and bio pesticides													
Others	1	11	2	13	1	0	1	12	4	16	24	6	56
Total	**12**	**103**	**202**	**115**	**20**	**13**	**33**	**116**	**50**	**166**	**249**	**85**	**360**
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													

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
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													
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													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others													
Total													
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL	**42**	**208**	**530**	**559**	**50**	**37**	**82**	**246**	**130**	**377**	**597**	**550**	**1240**

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													
Training and pruning of 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 of vegetable crops													
Commercial fruit production													
Integrated farming													
Seed production													
Production of organic inputs	1	15	0	15	0	0	0	0	0	0	15	0	15
Planting material production													
Vermiculture													
Mushroom Production													
Beekeeping	1	15	0	15	1	0	1	0	0	0	15	0	15
Sericulture													
Repair and maintenance of farm machinery and implements													
Value addition	2	0	22	22	0	2	2	0	6	6	0	30	30
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													
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													
Total	**4**	**30**	**22**	**52**	**1**	**2**	**3**	**0**	**6**	**6**	**30**	**30**	**60**

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													
Integrated Pest Management	2	10	4	14	2	0	2	3	1	4	15	5	20
Integrated Nutrient management	2	12	2	14	2	1	3	3	0	3	17	3	20
Rejuvenation of old orchards													
Protected cultivation technology													
Production and use of organic inputs													

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
Care and maintenance of farm machinery and implements													
Gender mainstreaming through SHGs	2	15	1	16	4	0	4	0	0	0	0	20	20
Formation and Management of SHGs	2	16	1	17	3	0	3	0	0	0	0	20	20
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	2	0	14	14	0	4	4	0	2	2	0	20	20
Other													
Total	**10**	**53**	**22**	**75**	**11**	**5**	**16**	**6**	**3**	**9**	**32**	**68**	**100**

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
Horticulture	FW	Post harvest management in tomato	1	Off	17	13	30	11	02	13
	FW	Transplanting method of watermelon	1	Off	23	7	30	13	04	17
	FW	Post harvest management of onion	1	Off	18	12	30	12	08	20
	FW	Use of plant growth regulator for regular bearing in mango	1	Off	07	03	10	03	02	05
	FW	Cultural practices in mango orchard	1	Off	05	05	10	03	02	05
	FW	Trelli system in tomato	1	Off	11	04	15	6	1	7
Plant protection	FW	Management of purple blotch in onion	1	Off	23	7	30	13	04	17
	FW	Different cultural practices for management of fruit fly in mango	1	Off	18	12	30	12	08	20
	FW	Integrated pest management against aphid in green gram	1	Off	17	13	30	11	02	13
	FW	Management practices for	1	Off	14	12	26	6	5	11

		control of anthracnose diseases in chilli								
	FW	Cultural practices for control of BPH in low land rice	1	Off	10	05	15	5	3	8
	FW	Management practices for control of pod borer in pigeon pea	1	Off	12	11	23	9	2	11
	FW	Cultural management practices for control of purple blotch of onion	1	Off	17	13	30	11	02	13
	FW	Management practices for control of pod borer in green gram	1	Off	18	12	30	12	08	20
	FW	Management practices for control of thrips in watermelon	1	Off	15	15	30	11	06	17
	FW	Production technologies for oyster mushroom cultivation	1	Off	23	7	30	13	04	17
	FW	Cultural practices to reduce fruit sucking moth infestation in sweet orange	1	Off	18	12	30	12	08	20
	FW	Cultural and chemical measures against fruit borer infestation in litchi	1	Off	17	13	30	11	02	13
	RY	Apiculture for income generation	1	On	08	07	15	04	03	07
	IS	IPM practices for control of major insect pest in rice	1	On	07	03	10	03	02	05
	IS	IPM practices for control of major insect pest in sweet orange	1	On	08	02	10	04	01	05
Soil science	FW	Importance of soil testing and technique of soil sample collection	1	Off	17	13	30	11	02	13

	FW	Importance of soil testing and technique of soil sample collection	1	Off	15	15	30	11	06	17
	FW	Importance of soil testing and technique of soil sample collection	1	Off	23	7	30	13	04	17
	FW	Method of application of lime and micronutrient in tomato	1	Off	18	12	30	12	08	20
	FW	INM in banana	1	Off	08	07	15	04	03	07
	FW	INM in cauliflower	1	Off	13	07	20	07	05	12
	FW	INM in bitter gourd	1	Off	15	05	20	07	01	08
	FW	Method of application of biofertiliser in vegetables	1	Off	16	05	21	06	05	11
	FW	Use and role of micronutrient in watermelon	1	Off	18	04	22	07	06	13
	FW	Deficiency symptoms of micronutrients and its management	1	Off	15	15	30	11	06	17
	FW	INM in litchi	1	Off	23	7	30	13	04	17
	FW	Acid soil management for productivity on Cole crops	1	Off	18	12	30	12	08	20
	RY	Commercial production of vermicompost and its uses	1	On	11	04	15	6	1	7
	IS	Production of different organic inputs	1	On	11	04	15	0	0	0
	IS	INM in fruit crops	1	On	12	03	15	0	0	0

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	

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 bio agents, biopesticides,													
biofertilizers etc.													
Repair and maintenance of farm machinery & implements													
Rural Crafts													
Seed production													
Sericulture													
Mushroom cultivation													
Nursery, grafting etc.													
Tailoring, stitching, embroidery, dying etc.													
Agril. Para-workers, para0vet 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								

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 & implements													
Other													
Total													
Livestock & 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	3	78	36	114	26	4	2	6	82	38	120
Kisan Mela	3	87	43	130	32	-	-	-	87	43	130
Kisan Ghosthi	2	10	5	15	20	2	0	2	12	5	32
Exhibition	4	-	-	-	-	-	-	-	-	-	-
Film Show	3	45	15	60	40	-	-	-	45	15	60
Method Demonstrations	3	42	8	42	20	-	-	-	42	8	60
Farmers Seminar	4	68	28	96	30	4	-	4	72	28	100
Workshop	-	-	-	-	-	-	-	-	-	-	-
Group meetings	7								190	40	230
Lectures delivered as resource persons	18	310	100	410	18	7	3	10	310	110	450
Advisory Services											
Scientific visit to farmers field	85	817	202	1019	42	9	4	13	830	202	1246
Farmers visit to KVK	1	-	-	-	35	-	-	-	621	191	812
Diagnostic visits	54	93	71	164	30	6	2	8	101	71	374
Exposure visits	-										-
Ex-trainees Sammelan	1	22	3	25	16	-	-	-	22	3	25
Soil health Camp	2	42	18	60	25	-	-	-	42	18	60
Animal Health Camp	1	11	9	20	30	2	-	2	13	9	22
Agri mobile clinic											
Soil test campaigns	5	120	30	150	35	-	-	-	120	30	150
Farm Science Club Conveners meet	1	17	6	23	32	2	-	2	18	7	25
Self Help Group Conveners meetings	2	22	8	30	23	-	-	-	22	8	30

Mahila Mandals Conveners meetings											
Celebration of important days (specify)	6	325	94	419	35	22	9	31	350	100	450
Sankalp Se Siddhi											
Swatchta Hi Sewa	-	-	-	-	-	-	-	-	-	-	-
Mahila Kisan Divas	1	0	28	28	30	1	1	2	0	30	30
Any Other (Specify)											
Total	**206**	**2109**	**704**	**2805**	**519**	**59**	**21**	**80**	**2979**	**1427**	**4406**

B. Other Extension activities

Nature of Extension Activity	No. of activities
Newspaper coverage	32
Radio talks	4
TV talks	5
Popular articles	9
Extension Literature	2
Video prepared	2

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
Pigeonpea	LRG - 52	10	93,500	25	0	0	4	1	16	4	20	5

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
Pigeonpea	PRG-176	5.6	31714	2	2	4	5	55	12	61	19
Sunhemp	Local	5.4	24205	04	02	24	06	42	28	70	36
Grand Total		**5.00**	**55919**	**6**	**4**	**28**	**11**	**97**	**40**	**131**	**55**

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	Barkha,Megha	16500	33500	40	300	350	690	250	40	640	1030
Cabbage	Zenith	11000	21500	22	103	200	325	245	65	467	493
Tomato	Arka Samrat, Arka Rakshak, Arka Abhed	10450	15675	77	354	241	672	105	55	423	1081
Brinjal	Tarini, Akshita	10200	15300	102	307	311	720	112	32	525	1059
Chilli	Siam hot, Arka harita	10350		88	267	410	765	220	24	718	1056
Capsicum	Indrani	1200	6000	57	289	274	620	84	64	415	973
Papaya	Red lady, Sinta, Sapna	180	15525	6	45	47	98	61	16	114	159
Red cabbage	Rubyball	820	4100	77	354	241	672	105	55	423	1081
Chineese cabbage	Bokchoy	1100	5500	102	307	311	720	112	32	525	1059
Lettuce	Batavia	1080	5400	88	267	410	765	220	24	718	1056
Drumstick	ODC-3, PKM-1	200	6000	57	289	274	620	84	64	415	973
Fruits											
Mango	Amrapalli	500	20,000	6	45	47	98	61	16	114	159
Dragonfruit	Red flesh& white flesh	150	6500	57	289	274	620	84	64	415	973
Total		**63730**	**155000**	**779**	**3216**	**3390**	**7385**	**1743**	**551**	**5912**	**11152**

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-agents(Vetmicompost)	1500	22500	14	43	32	89	25	05	71	137
Bio-pesticide										
Bio-fungicide										
Others, please specify.(Vermin)	50	25000	25	15	1	2	4	13	42	59
Total	**1550**	**47500**	**39**	**58**	**33**	**91**	**29**	**18**	**113**	**196**

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)	Kadaknath	250	18750	31	14	11	02	07	04	50	20
	Banaraj	450	31500	24	11	08	05	06	03	38	19
Piggery											
Piglet											
Hog											
Others (Pl. specify)											
Fisheries											
Indian carp											
Exotic carp											
Mixed carp											
Fish fingerlings											
Spawn	Paddy straw, oyester	2400	48000	52	22	20	15	48	32	120	69
Others (Pl. specify)											
Grand Total		**3100**	**98250**	**107**	**47**	**39**	**22**	**61**	**39**	**208**	**108**

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

i) Name of Seed Hub Centre: KVK Deogarh, Odisha

Name of Nodal Officer :	Senior Scientist and Head, KVK,Deogarh
Address :	At/Po-Purunagarh, Dist-Deogarh, Odisha, PIN-768119
E-mail :	kvkdeogarh.ouat@gmail.com
Mobile No./ Phone No:	Mob. No: 9437360866/ 06641-295265

ii**) Quality Seed Production Reports:**

Season	**Crop**	**Variety**	**Production (q)**			
			Target	**Area sown (ha)**	**Production (q)**	**Category of Seed (F/S, C/S)**
Kharif-2022	Pigeonpea	LRG- 52	80.0	10.0	10.0	CS
Summer 2022-23	Greengram	Virat	50	10	Harvesting and threshing stage	-

iii) Financial Progress:

Fund received (2016-17, 2017-18, 2018-19, 2019-20, 2020-21, 2021-22)	Fund received (Rs. in lakh)	Expenditure (Rs. in lakh)		Unspent balance (Rs. in lakhs)	Remarks
		Infrastructure	Revolving fund		
2016-17	90.0	40.0	0.12122	39.87878	Fund received from Comptroller, OUAT, BBSR
2017-18	0.32722	-	1.80810	39.1179	Fund received from sale proceed
2018-19	1.28276	-	3.74002	36.66064	Fund received from sale proceed
2019-20	4.00017	-	7.80539	32.85542	Fund received from sale proceed
2020-21	6.92375	-	2.72080	37.05837	Fund received from sale proceed
2021-22	3.31821	-	0.61317	39.76341	Fund received from sale proceed
2022-23 (As on dt.31.3.2023)	0.77115	-	0.45735	40.28350	Fund received from sale proceed

iv) Infrastructure Development

Item	Progress
Seed processing unit	Completed
Seed storage structure	

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

Item	Title	Author's name	Number	Circulation
Research paper	-	-	-	
Seminar/conference/ symposia papers	-	-	-	
Books	-	-	-	
Bulletins	-	-	-	
News letter	Pradhanpat krushi samachar patrika		2	
Popular Articles	-	-	-	
Book Chapter	-	-	-	
Extension Pamphlets/ literature	Bataka O Kukuda Palana, Mahumachhi Palana O Mahu Utpadana	S. K. Nath, Laba Soren, Sadhan Swastika, Chinmay Mishra	3	
Technical reports	MPR, PMO, CFLD, seed hub, soil test, annual report, etc		14	
Electronic				

Publication (CD/DVD etc)				
TOTAL			19	

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.	National conference	Promotion of Kisan Drones	Smt. Sadhana Swastika, SMS (Horticulture)	02.05.2022	ICAR

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

Name of farmer	Sri Sanatan Pradhan
Address	Village- Chapabahal, Block-Reamal , Dist-Deogarh
Contact details (Phone, mobile, email Id)	8658933420
Landholding (in ha.)	2.0
Name and description of the farm/ enterprise	Guava orchard
Economic impact	Net annual income- 3,50,000/-
Social impact	Climate resilient farmer
Environmental impact	Improves soil quality
Horizontal/ Vertical spread	17 ha

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	Guava farming is highly profitable	Sri Sanatan Pradhan	Sri Sanatan Pradhan is a 58 years old farmer of Chapabahal village of Barkote block of Deogarh district. He lives with his four members family. He created his own identity in district by guava farming. After knowing that the climate and soil of Deogarh district is suitable for guava farming he took interest in guava cultivation. KVK, Deogarh facilitated him purchasing 250 nos. of guava saplings of Bihi variety from Raipur nursery of VNR company. In the first year, production got affected due to fruit fly infestation; nearly about 40-50% of fruit damaged. After coming in contact with KVK Scientists he gained scientific knowledge on fruit fly management using traps. He used fruit fly trap in his orchard and successfully controlled fruit fly infestation. After testing soil he came to know about the calcium and Boron deficiency in soil and he sprayed of water soluble calcium 0.5% and controlled BER in guava. From this guava farming his earning Rs.3,50,000 per annum. He is selling his fruit through local vendors. Recently in Utkal Diwas 2023 celebration the district administration, Deogarh facilitated him as an innovator farmer of the district.

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

Sl. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK
1	Nursery management	Spreading neem leaves over nursery	To control termite damage

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	Sesamum, mango	27.5 ha	350 q	50	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
1.	Assessment of training needs	To reduce gap
2.	Group contact methods	To identify problems.
3.	Small group techniques	To teach new technologies
4.	Mass contact method	Awareness
5	Extension teaching methods	Public awareness

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

Sl. No	Name of the Equipment	Qty.
1	Shaker	1
2	Meter	1
3	Hot plate	1
4	Sieve small	1
5	Sieve big	1
6	Solar plate with controller and cable	1
7	Manual	1
8	Funnel	20
9	Beaker	20
10	Test tube graduated 50ml	40
11	Glass test tube (50ml)	20
12	Spoon(small)	1
13	Spoon(big)	1
14	String rod(plastic)	2
15	String rod(glass)	2
16	Beaker glass 100ml	4
17	Graduated measuring cylinder glass(10ml)	1
18	Graduated measuring cylinder glass(50ml)	1
19	Reagent brown bottle glass (125ml)	2
20	Weighing balance	1
21	Wash bottle(500ml)	1
22	Wash bottle(250ml)	1
23	Tissue paper	2
24	Bottle brush	1

25	Test tube brush	1
26	Measuring cylinder glass (25ml)	1
27	Test tube stand	2
28	Safty glass (Goggle)	1
29	Training CD	1
30	Software for soil health card CD	1
31	Mridaparikshak soil testing kit (mini lab)	2
32	Flame photometer	1
33	Double beam UV visible spectro photometer	1
34	All glass double distillation unit	1
35	Distillation appts power supply	1
36	Rotary shaker	1
37	Digital balance	1
38	Automatic nitrogen analyser	1
39	PH,EC, TDS combined meter model	1
40	Digital soil mixture	1
41	Precision analytical balance	1
42	Magnetic stirrer	1
43	Hydrometer Boycous	1
44	Hot plate(rectangular)	1
45	Moisture dish	4

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			
-	1000	1000	1250	17	-

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	50	-	-	20	90

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**
NA				

3.13. Technology week celebration

Type of activities	**No. of activities**	**Number of participants**	**Related crop/livestock technology**
Group meeting	1	25	Vegetable
Video show	1	30	Tomato cultivation
Farmers seminar	1	50	Safe use pesticides
Soil test campaign	1	20	Soil testing

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
13.07.2022	Sj. Somesh Kumar Upadhayay, Collector and District Magistrate	To visit KVK farm
23.12.2022	Dr. H. K. Sahoo, Dy. Director, DEE,OUAT,BBSR	SAC Meeting
23.12.2022	Sri Lukas Padhan, PD,DRDA,Deogarh	To visit KVK farm

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)
Use of different tomato varieties with consumer preference for wilt tolerance in late kharif	75	85	45,000/-/ha	1,30,000/-/ha

4.2. Cases of large scale adoption
(Please furnish detailed information for each case)

Horizontal spread of technologies	
Technology	**Horizontal spread**
Trellis system in bitter gourd to check production of poor quality fruits due to soil contact	35 ha
Herbicide application in kharif groundnut	120 ha
Trellies system in tomato	160 ha

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
1	Kharif tomato popularisation	Large scale adoption	75% villagers of Kalchipadadihi adopted
2	IPM in pigeonpea cultivation	Large scale adoption	35% villagers of FLD beneficiaries adopted IPM technology against pod borer

4.4. Details of innovations recorded by the KVK

Thematic area	**Integrated crop management**
Name of the Innovation	Trellies system in tomato
Details of Innovator	Gandur Minz, Village- Kalchipodadihi, Block-Tileibani, District-Deogarh
Back ground of innovation	He is practicing different types of trellies system in tomato since last 2 years.
Technology details	Trellis should be of approximately 6 feet high with a top & bottom wire and plastic twine tied between the two wires at each plant. Posts should be no more than 15 feet apart and the top wire should be very tight. A stiff additional wire between posts may be required in the season when the fruit loads becomes heavy
Practical utility of innovation	For better quality of fruits.

4.5. Details of entrepreneurship development

Entrepreneurship development	
Name of the enterprise	Integrated farming system
Name & complete address of the entrepreneur	Sri Maheswar Pradhan, Village- Ranjana, Block-Reamal, Dist-Deogarh
Role of KVK with quantitative data support:	Quality seedlings 20000 nos (Arka Samrat)
Timeline of the entrepreneurship development	Since last 4 years
Technical Components of the Enterprise	Farm pond, litchi, sweet orange and kharif tomato in trellies
Status of entrepreneur before and after the enterprise	Annual income before entrepreneur 2,50,000/- , after entrepreneur 5,50,000/-
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	Available of raw materials, no problem in marketing of the produce
Horizontal spread of enterprise	2 nos.

4.6. Any other initiative taken by the KVK

1. Swachha grama - Kirtanapalli
2. Mushroom village - Kailash

5. LINKAGES

5.1. Functional linkage with different organizations

Name of organization	**Nature of linkage**
Agriculture	Field & Diagnostic visit, Field Day, Training, Demonstration & Dissemination of technology.
Horticulture & Fisheries	Field & Diagnostic visit, Field Day, Training, Demonstration, Dissemination of technology.
Veterinary	Dissemination of technology, Training, Poultry, Goatery
NABARD	FPO formation , WADI project and capacity building training

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.)
Garib Kalyan	Garib Kalyan Abhiyan	31.05.2022	ICAR	32,650
Kisan Bhagidari	Kisan Bhagidari	26.04.2022	ICAR	1,00,000

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

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

Sl. No.	Name of demo Unit	Year of estt.	Area (Sq.mt)	Details of production			Amount (Rs.)		Remarks
				Variety/breed	Produce	Qty.	Cost of inputs	Gross income	
1.									
	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	
Pigeonpea	27.07.2022	24.12.22	1.0	LRG-52	Certified seed	5.6	21654	31714	
Sunhemp	07.07.2021	22.11.2022	2.0	local	TL	5.00	2150	24205	

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

Sl. No.	Name of the Product	Qty. (Kg)	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
1.	Vermicompost	1500	4200	22500.00	
2.	Vermin	50	3500	25000.00	

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.							

6.5. Utilization of hostel facilities

Accommodation available (No. of beds) : NIL

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
Total :			

6.6. Utilization of staff quarters

Whether staff quarters has been completed: Yes
No. of staffquarters: 06
Date of completion: 2012
Occupancy details:

Months	Q I	QII	Q III	QIV	Q V	QVI
January 2022 to December 2022	Q IV & V vacant, Q VI not habitate					

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
KVK flexi account	State bank of India	Deogarh	30062165311
Revolving Fund	State bank of India	Deogarh	30442362646
Seed hub flexi account	State bank of India	Deogarh	36409971279
OMBADC	State bank of India	Deogarh	41289574390
CFLD (Oilseed)	State bank of India	Deogarh	41566268947

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April, 2023
	Kharif	Rabi	Kharif	Rabi	
Rape seed and Mustard		60000		60000	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	180000		180000		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	10744000		
2	Traveling allowances	120000	120000	120000
3	Contingencies			
A				
B		600000	598100	598100
C				
D				
E				
F				
G				
H				
I	SCSP	1900000	1900000	1900000
J	Swachhta Expenditure	17250	16950	16950
TOTAL (A)		**13491250**	**2745050**	**2745050**

B. Non-Recurring Contingencies				
1	Equipments & furniture	50000	50000	50000
2	IT	50000	50000	50000
3	Library	10000	10000	10000
4				
TOTAL (B)		**110000**	**110000**	**110000**
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)		**13491250**	**2745050**	**2745050**

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	1,12,409.00	2,67,755.00	80,818.00	3,80,164.00
2021-22	3,32,639.00	1,74,556.00	23062.00	2,53,572.00
2022-23	3,84,783.00	3,12,670.00	1,05,561.00	2,91,892.00

7.6. (i) Number of SHGs formed by KVKs: 02
(ii) Association of KVKs with SHGs formed by other organizations indicating the area of SHG activities: 02
(iii) Details of marketing channels created for the SHGs: through OLM and mission shakti groups

7.7. Joint activity carried out with line departments and ATMA

Nameof activity	Number of activity	Season	With line department	With ATMA	With both
Scientific watermelon cultivation	1	Rabi	ITDA, ADH, Deogarh	-	-
Animal health camp	2	Rabi	CDVO	-	-
Ginger field visit	1	Kharif	ADH, Deogarh	-	-
Scientific Sweet orange cultivation	1	Rabi	ADH, Deogarh	-	-

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)

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/ SMSPortal)

Type of message	No. of messages	No. of farmers covered
Crop	35	12212
Livestock	3	12212
Fishery	-	12212
Weather	2	12212
Marketing	2	12212
Awareness	5	12212
Training information	3	12212
Other	2	12212
Total	52	12212

9.4. *KVK* Portal and Mobile App

Sl. No.	Particulars	Description
1.	No. of visitors visited the portal	5757
2.	No. of farmers registered in the portal	12212
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	44

9.5. a. Observation of Swachh Bharat Programme

Date/ Duration of Observation	Activities undertaken
12.01.22	Cleaning of demo units & garage
25.01.22	Community cleaning
15.02.22	Cleaning of administrative building
08.03.22	Cleaning of office campus
15.04.22	Community cleaning
20.05.22	Cleaning of office building
09.06.22	Cleaning of Agro polytechnic campus

16.07.22	Cleaning of office campus
13.08.22	Community cleaning
14.09.22	Cleaning of demo units & garage
22.10.22	Cleaning of office building
03.11.22	Cleaning of Agro polytechnic campus
10.12.22	Cleaning of demo units & garage

b. Details of Swachhta activities with expenditure

Activities	Number	Expenditure (in Rs.)
1. Digitization of office records/ e-office	1	750
2. Basic maintenance	2	900
3. Sanitation and SBM	1	1000
4. Cleaning and beautification of surrounding areas	2	1500
5. Vermicomposting/ Composting of biodegradable waste management & other activities on generate of wealth for waste	2	900
6. Used water for agriculture/ horticulture application	2	600
7. Swachhta Awareness at local level	-	
8. Swachhta Workshops	-	
9. Swachhta Pledge	1	800
10. Display and Banner		
11. Foster healthy competition	-	
12. Involvement of print and electronic media	2	900
13. Involving the farmers, farm women and village youth in the adopted villages (no of adopted village)	-	
14. No of Staff members involved in the activities	18	900
15. No of VIP/VVIPs involved in the activities	-	
16. Any other specific activity (in details)	-	
Total	**31**	**8250**

9.6. Observation of National Science day

Date of Observation	Activities undertaken

9.7. Programme with SeemaSurakshaBal/ 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

9.9. Details of Swachhta Hi Surakshaprogramme(16-31.12.2022) organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)

9.10. Details of Mahila Kisan Divas programme(15.10.2022) organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	Celebration of Mahila Kisan Diwas	3	30	2	Smt. Smaranika Mohapatra,

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

Sl. No.	Name of Farmer	Address of the farmer with contact no.	Innovation/ Leading in enterprise
1.	Sri Gosain Minj	At- Kalchipodadihi, Po- Sodo, Dist.- Deogarh, PIN-768121	Product- Kharif tomato
2.	Sri Maheswar Pradhan	At-Khajurianali, Po- Baghabar, Dist.- Deogarh, PIN-768109	Product- Fruits
3.	Sri Purandar Mohanta	At - Hinjilita, Po- Balanda, Dist.- Deogarh, PIN-768110	Product- Field crops
4.	Sri Sanatan Pradhan	At - Chapabahala, Po- Chapabahala, Dist.-Deogarh, PIN-768109	Product-Fruits

9.12. Revenue generation: Nil

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

9.13. Resource Generation:

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

9.14. Performance of Automatic Weather Station in KVK: NA

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

9.15. Contingent crop planning: NA

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

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

a) Year:
b) Introduction / General Information:

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

11. Details of TSP

a. Achievements of physical output under TSP during 2022-2023

Programmes	**Physical achievements**
Asset creation (Number; Sprayer, ridge maker, pump set, weeder etc.)	
On-farm trials (Number)	
Frontline demonstrations (Number)	
Farmers training (in lakh)	
Extension personnel training (in lakh)	
Participants in extension activities (in lakh)	
Seed production (in tonnes)	
Planting material production (in lakh)	
Livestock strains and fingerlings production (in lakh)	
Soil, water, plant, manures samples testing (in lakh)	
Provision of mobile agro – advisory to farmers (in lakh)	
No. of other programmes (Swachha Bharat Abhiyaan, Agriculture knowledge in rural school, Planting material distribution, Vaccination camp etc.)	

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

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

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

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

11. Celebration of World Food Day in 2022

Sl. No.	Activities undertaken	No. of VIPs attended	No. of participants		
1	Celebration of world food day	-	M	F	T
			36	14	50

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

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						

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

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**
1	Silipathar Groundnut Agro-Producer Co. Pvt. Ltd		Dushila Pradhan, President, Adas Gram Panchayat, Block-Reamal, Dist-Deogarh	Groundnut cultivation	Groundnut	553	5.53	
2	Mandasuni Onion agro-producer co. Pvt. Ltd		Kamini Majhi, President, Adas Gram Panchayat, Block-Reamal, Dist-Deogarh	Onion cultivation	Onion	520	5.20	

16. Integrated Farming System (IFS): NA

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

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	Trellies system in tomato	Trellis should be of approximately 6 feet high with a top & bottom wire and plastic twine tied between the two wires at each plant. Posts should be no more than 15 feet apart and the top wire should be very tight. A stiff additional wire between posts may be required in the season when the fruit loads becomes heavy	240000	120	

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: NA

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 2021

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): NA

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

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***
	01.01.2022 to 31.12.2022			

b) Other achievements

Sl. No.	**Particulars**	**January, 2022 to December, 2022**
1	Number of demonstrations other than oilseeds and pulses	
2	Number of demonstrations on oilseed crops	
3	Number of demonstrations on pulse crops	
4	Number of farmers trained	
5	Number of participants in Extension activities	
6	Number of farmers for Mobile Advisory	
7	Production of seeds (in quintal)	
8	Production of planting material (Number)	
9	Number of soil sample tested	
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	

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)

<table>
<tr><td>  </td><td>  </td></tr>
<tr><td>OFT on IWM in kharif tomato</td><td>OFT on IPM module for management of fruit sucking moth in sweet orange</td></tr>
<tr><td>  </td><td> 
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<tr><td>OFT on Paddy straw mushroom (Volvariella volvacea) using crumpled straw</td><td>OFT on value added products from tomato</td></tr>
<tr><td>  </td><td> 
</td></tr>
<tr><td>FLD on management of fruit flies in pointed gourd</td><td>FLD on high yielding rice variety Pratibha</td></tr>
<tr><td>  </td><td>  </td></tr>
<tr><td>FLD on INM in groundnut</td><td>FLD on Ginger variety Subhada</td></tr>
</table>

Celebration of 18th SAC Meeting

Kisan Mela

Celebration of World Soil Day

Celebration of World Food Day

Workshop on Sweet orange cultivation in scientific method

Celebration of Women in Agriculture Day

Celebration of Rastriya Mahila Kisan Diwas

Farmer felicitated at OUAT

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