Action Plan
2022

KRISHI VIGYAN KENDRA, DEOGARH, ODISHA

Odisha University of Agriculture and Technology, Bhubaneswar

ACTION PLAN- 2022

1. Name of the KVK: KVK, Deogarh

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

2.Name of host organization :

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

3.Training programme to be organized (January 2022 to December 2022)

(a) Farmers and farmwomen

Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Month	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
PHM	Post harvest management in tomato	1	1	Off	January 2022									30
Nursery management	Transplanting method of watermelon	1	1	Off	February 2022									30
PHM	Post harvest management of onion	1	1	Off	March 2022									30
Varietal evaluation	Nursery management of chilli	1	1	Off	April 2022									30
ICM	Seed treatment of ginger	1	1	Off	May 2022									30
ICM	Scientific cultivation practices of ginger as intercrop in mango orchard	1	1	Off	June 2022									30

ICM	Nursery management of Rabi onion	1	1	Off	July 2022									30
ICM	Scientific cultivation practices of rabi onion	1	1	Off	August 2022									30
ICM	Scientific cultivation practices of kharif coriander	1	1	Off	September 2022									30
ICM	Mulching practices in chilli	1	1	Off	October 2022									30
ICM	Scientific cultivation practices of water melon	1	1	Off	November 2022									30
ICM	Weed management in kharif tomato	1	1	Off	December 2022									30
INM	Integrated nutrient management in litchi	1	1	Off	January 2022									30
IDM	Management practices for control of thrips in watermelon	1	1	Off	January 2022									
IPM	Management practices for control pod borer in green gram	1	1	Off	February 2022									30
IDM	Chemical management practices for control purple blotch in onion	1	1	Off	March 2022									30
IDM	Chemical management practices for control panicle mites in rice	1	1	Off	April 2022									30
IDM	Management practices for control of Erwinia rot in banana	1	1	Off	May 2022									30
IDM	Management practices for control of collar	1	1	Off	June 2022									30

	rot in groundnut													
Mushroom cultivation	Production technologies for paddy straw mushroom cultivation	1	1	Off	July 2022									30
IDM	Cultural and chemical management for control of shoot gall psylla	1	1	Off	August 2022									30
IDM	Management practices for control of pod borer in pigeonpea	1	1	Off	September 2022									30
IPM	Cultural practices to reduce fruit sucking moth infestation in sweet orange	1	1	Off	October 2022									30
Mushroom cultivation	Production technologies for oyster mushroom cultivation	1	1	Off	November 2022									30
IPM	Management practices for control of fruit flies in pointed gourd	1	1	Off	December 2022									30
SFM	Acid soil management for increasing productivity in cole crops	1	1	Off	February 2022									30
SFM	Use of soil health card for higher producti0n	1	1	Off	March 2022									30
SFM	Importance of soil testing and technique of soil sample collection	1	1	Off	April 2022									30
SFM	Benefits of green manuring and production technique of green manure crops	1	1	Off	May 2022									30

SFM	Acid soil management for groundnut cultivation	1	1	Off	June 2022									30
SFM	Nutrient management in kharif rice	1	1	Off	July 2021									30
SFM	Integrated nutrient management in groundnut	1	1	Off	August 2022									30
SFM	Deficiency symptoms of micronutrients in plants and their management	1	1	Off	September 2022									30
SFM	Fertilizer management in cauliflower	1	1	Off	October 2022									30
SFM	Use of biofertiliser in cowpea for yield enhancement.	1	1	Off	November 2022									30
SFM	Secondary and micronutrient management in tomato	1	1	Off	December 2022									30

(b) Rural youths

Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Month	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
ICM	Quality planting material production in vegetable crops	1	3	On	Sept 2022									15
ICM	Processing and value addition of water melon	1	3	On	May 2022									15
Income generation	Mushroom cultivation for income generation around the year	1	4	On	April 2022									15
Income generation	Apiculture for income generation	1	3	On	November 2022									15
SFM	Vermicomposting	1	3	On	June 2022									15
SFM	NADEP compost preparation method and its uses	1	2	On	July 2022									15

(c) Extension functionaries

Thrust area/ Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Month	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
ICM	Cultivation techniques of vegetable in nethouse	1	2	On	October 2022									10
ICM	Use of mulches in vegetable crops	1	2	On	November 2022									10
IPM	IPM practices for control of major insect pest in rice	1	3	On	August 2022									10
IPM	IPM practices for control of emerging pest in vegetables and field crops	1	3	On	October 2022									10
PRA	PRA tools for action plan development.	1	4	on	August 2022									10
Gender mainstreaming	Main streaming farm women in agriculture	1	2	on	September 2022									10
Entrepreneurship development	Marketing issues and agri-enterpreneurship	1	2	on	November 2021									10
Management of SHGs	Different IGAs for SHGs.	1	3		December 2022									10
SFM	Acid soil management for higher production	1	2	On	August 2022									10
SFM	Fertiliser management practice in fruit crops	1	3	On	November 2022									10

Abstract of Training: Consolidated table (ON and OFF Campus)

Farmers and 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													
Water management													
Seed production													
Nursery management	1												30
Integrated Crop Management	5												150
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)	2												60
TOTAL	8												240
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising	3												90
Exotic vegetables like Broccoli													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)	2												60
TOTAL	5												150
b) Fruits													
Training and Pruning	1												30

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
Layout and Management of Orchards													
Cultivation of Fruit	1												30
Management of young plants/orchards													
Rejuvenation of old orchards	1												30
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)	1												30
TOTAL	4												120
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
TOTAL													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
f) Spices													
Production and Management technology	2												60
Processing and value addition													
Others, if any	1												30
TOTAL	3												90
g) Medicinal and Aromatic Plants													

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													
Production and management technology													
Post harvest technology and value addition													
Others, if any													
TOTAL													
III. Soil Health and Fertility Management													
Soil fertility management	3												90
Soil and Water Conservation													
Integrated Nutrient Management	5												150
Production and use of organic inputs	1												30
Management of Problematic soils	1												30
Micro nutrient deficiency in crops	2												60
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
TOTAL	12												360
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others, if any (Goat farming)													
TOTAL													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													

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
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													
Value addition													
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													
Others, if any													
TOTAL													
VI.Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others, if any													
TOTAL													
VII. Plant Protection													
Integrated Pest Management	7												210
Integrated Disease Management	3												90
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any	2												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
TOTAL	12												360
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
TOTAL													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Production of Fish feed													
Others, if any													
TOTAL													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others, if any													
TOTAL													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
TOTAL													
XII. Others (Pl. Specify)													
TOTAL	44												1320

Rural youth

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production	1												15
Bee-keeping	1												15
Integrated farming													
Seed production													
Production of organic inputs	1												15
Planting material production	1												15
Vermi-culture	1												15
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
production													
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition	1												15
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Enterprise development													
Others if any (ICT application in agriculture)													
TOTAL	6												90

Extension functionaries

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												20
Integrated Nutrient management	2												20
Rejuvenation of old orchards													
Value addition													
Protected cultivation technology	1												10
Formation and Management of SHGs	1												10
Group Dynamics and farmers organization	1												10
Information networking among farmers	1												10
Capacity building for ICT application	1												10
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
Crop intensification													
Others if any	1												10
TOTAL	10												100

4. Frontline demonstration to be conducted

Sl. No.	Crop	Ginger
1	Thrust Area	Low productivity due to local cultivars
	Thematic Area	Varietal evaluation
	Season	Kharif,2022
	Farming Situation	Rained, medium land
2	Crop	Coriander
	Thrust Area	No production of coriander in the district during kharif season
	Thematic Area	Integrated crop management
	Season	Kharif,2022
	Farming Situation	Rainfed, Up land, veg based
3	Crop	Chilli
	Thrust Area	Lower yield due to high weed infestation and high cost of manual hand weeding
	Thematic Area	Integrated weed management
	Season	Kharif 2022
	Farming Situation	Rainfed, Upland
4	Crop	Watermelon
	Thrust Area	High cost of seeds
	Thematic Area	Varietal evaluation
	Season	Rabi,2022-23
	Farming Situation	Irrigated Upland, Sandy loam soil, Watermelon-fallow
5	Crop	Spine gourd
	Thrust Area	Proper knowledge on time of fruit fly infestation and lack of conviction on timing of pesticide application
	Thematic Area	Integrated pest management
	Season	Kharif-2022
	Farming Situation	Irrigated upland
6	Crop	Chilli
	Thrust Area	Proper knowledge on time of infection and lack of conviction on timing of pesticide application
	Thematic Area	Integrated disease management
	Season	Rabi 22-23
	Farming Situation	Irrigated Upland
7	Crop	Potato
	Thrust Area	Proper identification of disease and lack of conviction on timing of pesticide application
	Thematic Area	Integrated disease management
	Season	Rabi 2022-23
	Farming Situation	Irrigated Upland

8	Crop	Pointed gourd
	Thrust Area	No awareness regarding fruit flies infestation
	Thematic Area	Integrated pest management
	Season	Kharif-2022
	Farming Situation	Rainfed upland
9	Crop	Cowpea
	Thrust Area	Yield enhancement in vegetable crops through balanced nutrient application
	Thematic Area	Integrated nutrient management
	Season	Rabi 2021-22
	Farming Situation	Irrigated medium land, rice-vegetable cropping system
10	Crop	Groundnut
	Thrust Area	Poor pod quality and low yield due to poor nutrient management.
	Thematic Area	Integrated nutrient management
	Season	Rabi 2021-22
	Farming Situation	Rainfed up land, rice-oilseed cropping system

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/Unit (No.)	Technology package for Demonstration	Parameter (Data) in Relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Ginger	0.4	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	Wt. of rhizome (gm), yield (q/ha), B:C ratio	Subhada variety of ginger											10
2	Coriander	0.4	From pre monsoon period the field preparation was initiated.FYM	Days to germinate, days to mature, Yield of	Coriander seeds, FYM, vermicompost,			-	-	3	-	7	-	10		10

			@ 20 t/ha, Vermicompost @5 t/ha & neem cake @ 3 t/ha along with fertilizer @ 20:40:20 NPK kg/ha was applied .Line sowing of treated coriander seeds with Bavistin @ 1gm/100gm of seeds were done with av spacing of 5-10 cm (P-P) & 30 cm from (R-R) & green leaf mulching was applied soon after sowing.	green leaves obtained (bundles of 5 plants	and neem cake											
3	Chilli	0.4	Plots were 2 × 2 m on 15 cm high raised Beds. Plastic mulches (30 micron) were carefully spread over the plots and holes were punched where seedlings were to be planted	Plant height (cm) ,Days to mature of fruits, Average no. of fruits per plant, Yield	Plastic mulch (50 micron)			2	-	3	-	5	-	10	-	10

4	Watermelon	1.0	High yielding F1 hybrid. Dark green with light green broken specks slightly deep foliage, oblong fruit red flesh, with TSS of 12-13% (brix), average fruit weight 6.5kg with 1 fruit per vine. Duration 90-95 days. Fruit yield 65 to 70 t/ha, red flesh, juicy and very good taste. Good keeping and transport qualities.	No. of days for flowering, Average number of fruits per plant, Average fruit weight ,Yield	Growing of Watermelon variety Arka Akash			1	-	5	-	4	-	10	-	10
5	Potato	1.0	First spray of Mancozeb 75WP (0.25%), second spray of Hexaconazole 5EC (0.05%) and third spray of Mancozeb 75WP (0.25%) at 10 days interval.	% infection, cost of intervention, additional income over additional investment, yield (q/ha), B:C ratio	Management practices with chemical measures											10
6	Chilli	1.0	seedling root dip in carbendazim (0.1%), addition of	% infection, cost of intervention, additional income over	Management practices with seed treatment,											10

			vermicompost, drenching with fungicide (carbendazim+mancozeb 0.2%) and soil application of Trichoderma viride	additional investment, yield (q/ha), B:C ratio	Biological and chemical measures											
7	Spine gourd	1.0	Erection 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	% infestation, cost of intervention, additional income over additional investment, yield (q/ha), B:C ratio	Management practices with biological and chemical measures											10
8	Pointed gourd	0.4	Erection 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	% infestation, cost of intervention, additional income over additional investment, yield (q/ha), B:C ratio	Management practices with biological and chemical measures											10
9	Groundnut	0.4	Soil test based NPK+ sulphur 30 kg/ ha + boron @1.25 kg/ha(Borax)	No of pods/ plant, yield(q/ha), B:C ratio	Var. Devi											10
10	Cowpea	0.4	Inoculation of azotobactoer,	Number of pods/plant,	Var. Kashi											10

			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	pod weight, Number of seeds/pod yield(q/ha), B:C ratio	Kanchan											

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	1. Nursery management of chilli. 2.Training on use of poly mulch in chilli cultivation. 3. Disease management practices in chilli	3	90	1	off									90
Field day	Field day on application of polymulch in chilli	1	30	1	off									30
Training	1. Scientific cultivation practices of	5	150	5	off									150

	watermelon 2. Training on different high yielding varieties of watermelon 3. Fruit fly management in practices in spine gourd 4. IDM in spine gourd 5. IDM in potato													
KMA, Leaf let	Leaf let publication on improved watermelon cultivation													
Training	Training on scientific cultivation practices of kharif coriander	1	30	1	Off									30
Method demonstration	Method demonstration on cultivation of kharif coriander in low cost poly tunnel	1	30	1	Off									30
Training	Training on scientific cultivation practices of ginger as	1	30	1	Off									30

	intercrop in mango orchard													
Leaflet, QPM Production	1. Leaflet on intercropping of ginger in mango orchard. 2. QPM production in ginger													
Training	INM in groundnut	1	30	1	Off									30
Method demonstration	Fertilizer management in groundnut	1	30	1	Off									30
Leaflet, KMA	Leaflet on fertilizer management practices in groundnut													
Training	Use of bio fertilizer application in cowpea for yield enhancement	1	30	1	Off									30

5. a) Seed and planting material production by utilization of instructional farm (Crops / Enterprises)

Name of the Crop / Enterprise	Variety / Type	Period	Area (ha.)	Details of Production				
				Type of Produce	Expected Production (No. /quintal)	Cost of inputs (Rs.)	Expected Gross income (Rs.)	Expected Net Income (Rs.)
Sunhemp	TL	January 2022 – December 2022	2.0	Seed	6	1,500.00	13,500.00	12,000.00
Pigeonpea	FS	January 2022 – December 2022	1.0	Seed	5	5,800.00	57,900.00	52,100.00

Brinjal	Tarini	January 2022 – December 2022	0.1	Seedling	10,000	1100.00	150000.00	13900.00
Tomato	Saksham, Arka Rakshak, Arka Samrat	January 2022 – December 2022	0.1	Seedling	10,000	1750.00	15000.00	13250.00
Cauliflower	Megha	January 2022 – December 2022	0.1	Seedling	10,000	1200.00	20000.00	18800.00
Chilli	Siamhot	January 2022 – December 2022	0.1	Seedling	10,000	800.00	15000.00	14200.00
Onion	Agrifound dark red	January 2022 – December 2022	0.1	Seedling	10,000	320.00	5000.00	4680.00
Cabbage	Green challenger	January 2022 – December 2022	0.1	Seedling	10,000	1400.00	20000.00	18600.00
Brocolli	Chow chow	January 2022 – December 2022	0.1	Seedling	2000.00	750.00	10000.00	9250.00
Chinese cabbage	Indam cupper	January 2022 – December 2022	0.1	Seedling	4,000	1900.00	20000.00	18100.00
Capsicum	Krishna	January 2022 – December 2022	0.1	Seedling	3000	1400.00	15000.00	13600.00
Red cabbage	Red Ruby	January 2022 – December 2022	0.1	Seedling	4,000	1900.00	20000.00	17100.00
Knolkhol	Surya 15	January 2022 – December 2022	0.1	Seedling	2,000	1200.00	10000.00	8800.00
Marigold	BM-1	January 2022 – December 2022	0.1	Seedling	5000.00	6000.00	50000.00	44000.00

b) Village Seed Production Programme

Name of the Crop / Enterprise	**Variety / Type**	**Period**	**Area (ha.)**	**No. of farmers**	**Details of Production**				
					Type of Produce	**Expected Production(q)**	**Cost of inputs (Rs.)**	**Expected Gross income (Rs.)**	**Expected Net Income (Rs.)**
Pigeonpea	PRG 176	5 months	10	50	CS	70.0	20000	56000	36000

6. Extension Activities

Sl. No.	Activities/ Sub-activities	No. of activities proposed	Farmers				Extension Officials			Total		
			M	F	T	SC/ ST (% of total)	Male	Female	Total	Male	Female	Total
1	Field Day	4										120
2	Kisan Mela	2										530
3	Kisan Ghosthi	2										40
4	Exhibition	2										-
5	Film Show	2										50
6	Method Demonstrations	5										60
7	Farmers Seminar	1										45
8	Workshop	1										40
9	Group meetings	25										275
10	Lectures delivered as resource persons	15										375
11	Advisory Services	36										145
12	Scientific visit to farmers field	84										840
13	Farmers visit to KVK	-										1000
14	Diagnostic visits	40										275
15	Exposure visits	2										30
16	Ex-trainees Sammelan	2										60
17	Soil health Camp	5										160
18	Animal Health Camp	2										75
19	Soil test campaigns	5										125
20	Farm Science Club Conveners meet	1										55
21	Self Help Group Conveners meetings	1										65
22	Mahila Mandals Conveners meetings	1										60
23	Celebration of important days (specify)	3										115
24	Green manure campaign	3										90
25	Swatchta Hi Sewa	5										190
26	Field Day	4										120
28	**Total**	**253**										**4940**

7. Revolving Fund (in Rs.)

Opening balance of 2021-22 (As on 01.04.2021)	Amount proposed to be invested during 2022	Expected Return
1,12,409.00	1,00,000	2,50, 000

8. Expected fund from other sources and its proposed utilization

Project	Source	Amount to be received (Rs. in lakh)
OMBADC	Govt. of odisha.	300.0

9. On-farm trials to be conducted*

Sl. No.	Season	Rabi 2022-23
1	Title of the OFT	Assessment of different varieties of onion in rabi
	Thematic Area	Varietal evaluation
	Problem diagnosed	Lower yield due to local varieties
	Important Cause	Low yield
	Production system	-
	Micro farming system	Upland, Irrigated
	Technology for Testing	TO_1: Bhima shakti: Bulbs mature in 130 days after transplanting during late *kharif* and *rabi* season. Marketable yield during *rabi* @ 42.7 t/ha. The variety has better storage for 5-6 months. TO_2: Bhima kiran: The variety matures in 130 days after transplanting and the average marketable yield is up to 41.5 t/ha. The variety has better storage up to 5-6 months.
	Existing Practice	Local cultivars
	Hypothesis:	-
	Objective(s)	To increase productivity
	Treatments	
	(a) Farmers Practice (FP)	Local cultivars
	(b) Technology option-I (TO-I)	Bhima Shakti
	(c) Technology option-II (TO-II): and so on	Bhima kiran
	Critical Inputs	Bhima shakti, Bhima kiran
	Unit Size	1 acre
	No of Replications	7
	Unit Cost	
	Total Cost	
	Monitoring Indicator	Cost of intervention. Additional income over additional investment Yield (q/ha), B:C ratio,
	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):	Source: Annual Report, ICAR-DOGR, 2015
2	Season	Kharif, 2022-23
	Title of the OFT	Assessment of Integrated weed management in kharif tomato
	Thematic Area	Integrated weed management
	Problem diagnosed	Lower yield due to high weed infestation and high cost of manual hand weeding

	Important Cause	High weed infestation
	Production system	-
	Micro farming system	Upland, Rainfed situation
	Technology for Testing	
	Existing Practice	Manual weeding
	Hypothesis:	
	Objective(s)	To increase productivity
	Treatments	
	a) Farmers Practice (FP)	Manual wedding
	b) Technology option-I (TO-I)	TO_1: Apply Quizalofop-p-ethyl (Targa super) @ 50 g ai/ha after transplanting followed by irrigation. Controls many annual grasses.
	c) Technology option-II (TO-II): and so on	TO_2: On the leveled field, small pits are dug at a spacing of 60 cm × 40 cm; and vermicompost is mixed in the field at 5 tones/ha. Spread black polythene-sheet (30 micron) on the field, and on it round holes of 15-cm diameter are made at the above mentioned spacing. Transplant 20-day-old tomato-seedlings in the middle of the hole, and water them regularly as per the need
	Critical Inputs	Weedicides, Polythene mulching
	Unit Size	1 acre
	No of Replications	7
	Unit Cost	
	Total Cost	
	Monitoring Indicator	Cost of intervention. Additional income over additional investment Yield (q/ha), B:C ratio
	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):	ICAR News 2016 ICAR-Directorate of Weed Research Jabalpur (Madhya Pradesh)
3	Season	Kharif 2022 (Year-II)
	Title of the OFT	Assessment of IPM module for management of panicle mites in rice
	Thematic Area	Integrated pest management
	Problem diagnosed	Fails to diagnose the pest due to symptom appears during grain filling stage
	Important Cause	Yield loss due to panicle mite
	Production system	Rice- pulse
	Micro farming system	Rainfed medium and upland
	Technology for Testing	TO_1-Grain yield in application of Diafenthuron + Propiconazole combination is 7040kg/ha TO_2-Grain yields are better in application of Milbemectin + Propiconzole combination is 7564kg/ ha
	Existing Practice	No use of pesticides as the symptom appears during grain filling stage
	Hypothesis:	Heavy yield loss due to panicle mite
	Objective(s)	Management of panicle mite in rice
	Treatments	
	a) Farmers Practice (FP)	No use of pesticides as the symptom appears during grain filling stage
	b) Technology option-I (TO-I)	Application of Diafenthiuron 50 wp @ 1g/lit + Propiconazole 25 EC @ 1ml/lit at PI stage
	c) Technology option-II (TO-II): and so on	Grain yields are better in application of Milbemectin + Propiconzole combination is 7564kg/ ha
	Critical Inputs	seed, pesticides
	Unit Size	1 acre

	No of Replications	7
	Unit Cost	2500
	Total Cost	17500
	Monitoring Indicator	No. of sterile spikelets/panicle and no. of discoloured spikelets/panicle, yield (q/ha), B:C ratio
	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):	JNKVV Research Journal 48(1) : 104-105 (2014)
4	Season	Kharif 2022 (Year-II)
	Title of the OFT	Assessment of IDM module for management of Erwinia rot in banana
	Thematic Area	Integrated disease management
	Problem diagnosed	Lack of conviction on timing of pesticide application
	Important Cause	Loss due to Erwinia rot
	Production system	Banana orchard
	Micro farming system	Irrigated upland
	Technology for Testing	Among the treatments imposed, 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 and application of bleaching powder 25 g/plant/month two inches away from pseudostem around the collar region upto four months was found most effective
	Existing Practice	Use of Mancozeb @ 2g/lit after severe infection
	Hypothesis:	mgt of Erwinia rot
	Objective(s)	Management of the disease
	Treatments	
	a) Farmers Practice (FP)	Use of Mancozeb @ 2g/lit after severe infection
	b) Technology option-I (TO-I)	Application of bleaching powder 25 g/plant/month two inches away from pseudostem around the collar region upto four months
	c) Technology option-II (TO-II): and so on	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
	Critical Inputs	fungicides
	Unit Size	1 acre
	No of Replications	7
	Unit Cost	1500
	Total Cost	10500
	Monitoring Indicator	% infection, cost of intervention, additional income over additional investment yield (q/ha), B:C ratio
	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):	International Journal of Plant Protection, 2017
5	Season	Rabi 2022-23 (Year-III)
	Title of the OFT	Assessment of IPM module for management of fruit sucking moth in sweet orange
	Thematic Area	Integrated pest management
	Problem diagnosed	Fruit sucking moth causes fruit drop at colour breaking stage
	Important Cause	Lack of knowledge on management of fruit sucking moth
	Production system	Sweet orange orchard
	Micro farming system	Irrigated upland, Orchard based
	Technology for Testing	TO_1- Neem oil forms a coating on the insect's body, blocking the breathing openings and suffocating the insect.

		TO_2-Poison bait attracts and kills the insect whereas by destroying larval host plant reduces the insect population during off season
	Existing Practice	Fire in every evening hour in orchard which fails to control the population of the moths
	Hypothesis:	IPM module ll manage the infestation
	Objective(s)	To control fruit sucking moth.
	Treatments	
	a) Farmers Practice (FP)	Fire in every evening hour in orchard which fails to control the population of the moths
	b) Technology option-I (TO-I)	Foliar application of neem oil (1%) at 10 days interval at coinciding with colour breaking stage.
	c) Technology option-II (TO-II): and so on	Poison bait with 10g malathion+100g jaggery+100ml orange juice+900ml water and destroy the laraval host plants like *Tinospora cordifolia*, *Cocculus vilosus* in the vicinity of orchard
	Critical Inputs	Neem oil (1%), 10g malathion+100g jaggery+100ml orange juice + 900ml water
	Unit Size	1 acre
	No of Replications	7
	Unit Cost	2500
	Total Cost	17500
	Monitoring Indicator	% infestation, Cost of intervention. Additional income over additional investment Yield (q/ha), B:C ratio,
	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):	Annual Report, ICAR-NRCC, 2016

10. List of Projects to be implemented by funding from other sources (other than KVK fund)

Sl. No.	Name of the project	Funding authority	Fund expected (Rs.)
1	OMBADC	Govt. of Odisha	300.0 lakh

11. No. of success stories proposed to be developed with their tentative titles : 2

- Technology introduction gives more return
- Mushroom lady of the district: An example

12. Scientific Advisory Committee

Date of SAC meeting held during 2021	Proposed date during 2022
01.12.2021	**07.12.2022**

13. Soil and water testing

Details	No. of Samples	No. of Farmers									No. of Villages	No. of SHC distributed
		SC		ST		Other		Total				
		M	F	M	F	M	F	M	F	T		
Soil Samples	1000										22	4500
Water Samples												
Other (Please specify)												
Total	**1000**										**22**	**4500**

14. Fund requirement and expenditure (Rs.)*

Heads	Expenditure (last year) (Rs.)	Expected fund requirement (Rs.)
Pay & Allowances	83,00,000/-	85,00,000/-
Traveling allowances	1,120,000/-	1,50,000/-
OE	4,40,000/-	5,00,000/-
POL		
VT/TM/EXT. ACT./RY	3,30,000/-	4,00,000/-
OFT	1,65,000/-	1,00,000/-
FLD	1,65,000/-	1,20,000/-
SCSP	9,00,000/-	5,00,000/-
Equipments & Furniture, Irrigation system	7,50,000/-	10,00,000/-
Library	10,000/-	10,000/-
Total	**1,12,10,000/-**	**1,12,80,000/-**

15. Every KVK should give quality photographs about the technology having wide acceptability among the farming community of the district with factual data

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<tr><td>FLD on HYV rice variety CR-Dhan 307</td><td>FLD on Management of fruit fly in pointed gourd</td></tr>
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<tr><td>OFT on Long duration rice varieties</td><td>FLD on IPM module for management of mosquito bug in cashew nut</td></tr>
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<tr><td>OFT on Nutrient management for blossom end rot in tomato</td><td>OFT on PGR application for regular bearing in Mango</td></tr>
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<tr><td>FLD on introduction of rice var Maudamani, field day</td><td>FLD on Ginger variety Subhada</td></tr>
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