TSP Action Plan 2022-23

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BHUBANESWAR

ACTION PLAN FOR TSP 2022-23 of KVK, Nabarangpur

1. Name of the KVK: Malkangiri, Odisha

Address	Telephone	E mail
Krishi Vigyan Kendra, Nabarangpur At: Badakumari, Dist: Nabarangpur, Odisha-764073	9178993612	kvknabarangapuri.ouat@gmail.com nabarangapurkvk@yahoo.co.in

2.Name of host organization : OUAT, Odisha

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

District Information

Total geographical area	**5.29 Lakh Ha**
Total cultivated area	**284.84 ('000 ha)**
High land	**1,33,944 ha**
Medium land	**38,342 ha**
Low land	**29,135 ha**
Paddy area	158.93 ('000 ha)
Maize area	60.53 ('000 ha)
Black gramarea	9.49 ('000 ha)
Ragi area	5.50 ('000 ha)
Total Population :	**12,20,946**
ST	**55.79%**
SC	**14.53%**
Others	29.68 %
Literacy(%)	**38.53%**
Soil type	Red laterite
Major crops	Rice, Maize, ragi, Black gram, Arhar
Cropping intensity	160%
Av. Annual rainfall	1569 mm

AREA UNDER MAJOR CROP

Sl No	Crop	Area(ha)
1	Rice	158930
2	Maize	60530
3	Black gram	9490
4	Ragi	5500
5	Arhar	4360

PROBLEMS OF DISTRICT

- Low yield due to cultivation of local varieties with poor mgt.practices, Monocropping
- Low yield due to imbalance nutrient management
- Lack of integrated disease, pest & weed management in different crops
- Low production from fishery and livestock enterprises Drudgery to Farm Women
- Unemployed rural youth
- Post harvest loss of fruits and vegetables
- Low income due to rice mono cropping and drought condition
- Low yield due to reduction of soil fertility

THRUST AREAS IDENTIFIED BY KVK

- Replacement of local variety with high yielding & hybrid vars.
- Crop diversification
- Promotion of organic farming
- Development of integrated farming system
- Increase in double crop areas
- Integrated nutrient management in cereals, pulses and oilseeds
- Integrated pest , disease & weed management in different crops
- Soil fertility management
- Backyard rearing of improved goat breed, poultry and duck
- Mushroom Cultivation
- Promotion of Pisciculture
- Farm mechanization
- Value addition
- Diversification of Agriculture

Unique feature of tribal based Economy

- Tribal's constitute 55 % of the total population
- Main tribes in the district areBhatra, Gond, Majhi, Pujari, Jani,
- The major occupations of the tribals are farming(monocropping of rice, mono cropping of maize), animal husbandry (localdesi breed of poultry, goatery and dairy)
- Low cosmopolite behavior

The major issues of the tribal farmers are

- Nutritional insecurity
- Low income
- Poverty
- Traditional farming system
- Low income from local breeds in animal husbandry
- Low risk bearing ability
- Lack of income generation activities
- Lack of post harvest management

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
Vermitechnology	Production techniques of Vermicompost	1	1 day	OFF	May	5	-	15	5	-	-	20	5	25
Organic Farming	Organic Farming	1	1 day	OFF	June	5	-	10	5	5	-	20	5	25
Post-harvest technology	Post harvest loss management in Cereals & Pulse	1	1 day	OFF	November	5	-	15	5	-	-	20	5	25
ICM	Scientific method of Oilseed cultivation	1	1 day	OFF	October	5	-	15	5	-	-	20	5	25
ICM	Scientific method of millets cultivation	1	1 day	OFF	June	5	-	15	5	-	-	20	5	25
IFS	Integrated Farming System	1	1 day	OFF	December	5	-	10	5	5	-	20	5	25

IWM	Integrated weed management in maize	1	1 day	OFF	July	5	-	15	5	-	-	20	5	25
IWM	Integrated weed management in direct seeded rice	1	1 day	OFF	July	5	-	15	5	-	-	20	5	25
IWM	Integrated weed management in transplanted rice	1	1 day	OFF	July	5	-	15	5	-	-	20	5	25
ICM	Raising of paddy seedlings in nursery bed	1	1 day	OFF	June	5	-	15	5	-	-	20	5	25
ICM	Improve package of practices of Cereals(Paddy,Maize)	1	1 day	OFF	May	5	-	15	5	-	-	20	5	25
ICM	Improve package of practices of Pulse	1	1 day	OFF	May	5	-	15	5	-	-	20	5	25
Vegetable cultivation	Off-season vegetable cultivation	2	2 day	OFF	May	-	-	35	15	-	-	35	15	50
Fruit production	Training & Pruning	1	1 day	OFF	August	-	-	18	7	-	-	18	7	25
Ornamental plants	Export potential of ornamental plants	1	1 day	OFF	July	-	-	18	7	-	-	18	7	25
Ornamental plants	Propagation techniques of ornamenta plants	1	1 day	OFF	August	-	-	18	7	-	-	18	7	25
Ornamental plants	Management of potted plants	1	1 day	OFF	Novembe r	-	-	18	7	-	-	18	7	25
Floriculture	Commercial flower cultivation	1	1 day	OFF	Novembe r	-	-	18	7	-	-	18	7	25
Soil and water conservation	Soil and water conservation techniques in rainfed area	1	1 day	OFF	June	5	5	10	5	0	0	15	10	25
INM	INM in rice	1	1 day	OFF	June	5	5	1	5	0	0	1	1	2

								0				5	0	5
INM	INM in Cabbage and Cauliflower	1	1 day	OFF	Novembe r	5	5	1 0	5	0	0	1 5	1 0	2 5
INM	INM in Brinjal and tomato	1	1 day	OFF	Novembe r	5	5	1 0	5	0	0	1 5	1 0	2 5
INM	INM in Maize	1	1 day	OFF	June	5	5	1 0	5	0	0	1 5	1 0	2 5
Production of Organic input	Production of vermicompost	1	1 day	OFF	October	5	5	1 0	5	0	0	1 5	1 0	2 5
Production of Organic input	Production of BGA and Azolla	1	1 day	OFF	October	5	5	1 0	5	0	0	1 5	1 0	2 5
Problem soil Management	Management og acid soil for sustainable crop production	1	1 day	OFF	June	5	5	1 0	5	0	0	1 5	1 0	2 5
Micronutrient management	Management of micronutrient deficiency incole crops	1	1 day	OFF	Novembe r	5	5	1 0	5	0	0	1 5	1 0	2 5
Soil and water testing	Preparation of composite soil sample	1	1 day	OFF	June	5	5	1 0	5	0	0	1 5	1 0	2 5
NUE	Use of rhizobium in pulse crop	1	1 day	OFF	Novembe r	5	5	1 0	5	0	0	1 5	1 0	2 5
NUE	Use of biofertiliser in cereal crops	1	1 day	OFF	July	5	5	1 0	5	0	0	1 5	1 0	2 5
NUE	Preparation of fertilizer mixture for field application	1	1 day	OFF	July	5	5	1 0	5	0	0	1 5	1 0	2 5
NUE	Application techniques of fertilizers in vegetable crops	1	1 day	OFF	July	5	5	1 0	5	0	0	1 5	1 0	2 5
NUE	Use of soluble fertilizer in agriculture	1	1 day	OFF	July	5	5	1 0	5	0	0	1 5	1 0	2 5
IDM	Integrated Disease management in direct seeded rice	1	1 day	OFF	July	5	5	1 0	5	0	0	1 5	1 0	2 5
IPM	Integrated Pest management in transplanted rice	1	1 day	OFF	July	5	5	1 0	5	0	0	1 5	1 0	2 5
IPM	Fall Army Worm management in	1	1 day	OFF	July	5	5	1 0	5	0	0	1 5	1 0	2 5

	maize													
IPM	Stem Borer management in Maize	1	1 day	OFF	July	5	5	10	5	0	0	15	10	25
IDM	Integrated Disease management in Pulse	1	1 day	OFF	June	5	5	10	5	0	0	15	10	25
IDM	Tikka Disesase Management in Groundnut	1	1 day	OFF	October	5	5	10	5	0	0	15	10	25
IDM	BLB management in Rice	1	1 day	OFF	October	5	5	10	5	0	0	15	10	25
IPM	Storage Pest Mangement in Rice	1	1 day	OFF	June	5	5	10	5	0	0	15	10	25
IPM	Management of Onion Thrips in onion	1	1 day	OFF	Novembe r	5	5	10	5	0	0	15	10	25
IPM	Management of Shoot And Fruit borer in Brinjal	1	1 day	OFF	June	5	5	10	5	0	0	15	10	25
IDM	Management of BacterialWilt in Tomato	1	1 day	OFF	October	5	5	10	5	0	0	15	10	25
IDM	Blast Management in Rice	1	1 day	OFF	October	5	5	10	5	0	0	15	10	25
Income generation activities for empowerment of rural women	Empowerment of rural women through mushroom cultivation	2	2 days	OFF	July, Dec	2	8	5	25	2	8	9	41	50
Location specific drudgery reduction technologies	Drudgery reduction of farmers and farm women involved in nutritional gardening	02	1day each	off	August, December	5	10	8	20	2	5	15	35	50

Value addition	Value addition of cereals	01	1 day	OFF	Nov.	3	4	5	8	2	3	10	15	25
Women and child care	Diet plan for children to reduce malnutrition	01	1 day	OFF	Aug.	3	4	5	8	2	3	10	15	25
Value addition	Value addition of spices	01	1 day	OFF	Oct.	3	4	5	8	2	3	10	15	25
Storage loss minimization techniques	Techniques of storage of cereal grains and pulses	01	1 day	OFF	Oct.	3	4	5	8	2	3	10	15	25
Household food security	Household food security by nutritional gardening	2	2 day	OFF	July, Nov.	5	10	8	20	2	5	15	35	50
Gender main streaming through shgs	Gender main streaming through shgs for income generation activities	01	1 day	OFF	Sept.	3	4	5	8	2	3	10	15	25
Others	Herbal garden for health security	01	1 day	OFF	Sept.	3	4	5	8	2	3	10	15	25

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**
Organic Farming	Organic Farming	1	2 days	ON	June	5	-	5	-	5	-	15	-	15
Vermitechnology	Vermitechnology	1	2 days	ON	July	5	-	5	-	5	-	15	-	15
In come generation	Planting material production in Polly house	1	2 days	ON	August	5	-	5	-	5	-	15	-	15
IFS	Pond based Integrated Farming System	1	2 days	ON	October	5	-	5	-	5	-	15	-	15
Protected cultivation	Protected cultivation of	1	2 days	ON	June	-	-	11	4	-	-	11	4	15

	vegetable crops													
Fruit production	Commercial fruit production	1	2 days	ON	July	-	-	11	4	-	-	11	4	15
Orchard management	Training & Pruning of Orchard	1	2 days	ON	August	-	-	11	4	-	-	11	4	15
Organic input production	Production of BGA and AZOLLA	1	2days	ON	September	1	2	8	2	1	1	10	5	15
Organic input production	Production of Enriched vermicompost	1	2days	ON	October	1	2	8	2	1	1	10	5	15
Vermiculture	Vermiculture Technology	1	2days	ON	November	1	2	8	2	1	1	10	5	15
Storage Technnology	Storage Techniques for Fertilisers and Agrochemicals	1	2days	ON	September	1	2	8	2	1	1	10	5	15
In come generation	e Honeybee keeping for income Generation**Gener**	1	2days	ON	September	5	-	5	-	5	-	15	-	15
In come generation	Mushroom Cultivation for income Generation	1	2days	ON	September	5	-	5	-	5	-	15	-	15
In come generation	Sugarcane Juice Production for income Generation	1	2days	ON	October	5	-	5	-	5	-	15	-	15
Safe use of Pesticides	Safe use of Pesticides	1	2days	ON	October	5	-	5	-	5	-	15	-	15
Income generation	Paddy straw mushroom cultivation for income generation	1	2 days	ON	Aug.	0	5	0	5	0	5	0	15	15
Income	Oyster mushroom	1	2 days	ON	Nov.	0	5	0	5	0	5	0	15	15

generation	cultivation for income generation													

1.Frontline demonstration to be conducted*

Crop:Rice
Thrust Area: Pest Management
Thematic Area: Pest Management
Season:Kharif, 2022
Farming Situation:Rainfed Medium land

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								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Rice	1 ha	Nursery treatment with Cartap hydrochloride 4G@ 0.8 kg a.i. per hactare, + alternate spraying of Neem oil 3000ppm and Indoxacarb 18.5SL@1 ml/litre at 55DAT + twice release of *T. chilonis*@ 50,000/ha 7days after spraying.	No. of white ear head , Tillers / hill, Yield, Net Return				3	0	7	0	0	0	10	0	10

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
F &FW training	Management of yellow stem borer in rice	1		1 day	off									25

2. Frontline demonstration to be conducted*

Crop:Redgram
Thrust Area: Varietal substitution
Thematic Area: Varietal substitution
Season:Kharif, 2022
Farming Situation:Rainfed Medium land

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								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Redgram	1 ha	ICPL 14003/ (PRG 176) released from the Regional Agricultural Research Station (RARS), The variety has yield potential of 2.5 tons per ha and matures in 130 days. It is resistant to terminal drought g.	Plant Height (cm) No of branches , Yield, Net Return, B: C ratio				3	0	7	0	0	0	10	0	10

Extension and Training activities under FLD:

Activity	Title of	No.	Clientele	Duration	Venue	No. of		

	Activity				On/Off	Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
F &FW training	Package and practices of redgram cultivation	1		1 day	off									25

3. **Frontline demonstration to be conducted***

Crop:Maize

Thrust Area: Weed Management

Thematic Area: Weed Management

Season:Kharif, 2022

Farming Situation:Rainfed Medium land

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	Maize	1 ha	Pre-emergence application of Atrazine @ 1.5 kg a.i/ha + Tembotrione (Laudis) 120g a.i/ha at 25 DAS	Weed biomass(g/m^2), WCE (%), Yield, Net Return				3	0	7	0	0	0	10	0	10

Extension and Training activities under FLD:

Activity	Title of	No.	Clientele	Duration	Venue	No. of		

	Activity				On/Off	Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
F &FW training	Weed management in maize	1		1 day	off									25

4. Frontline demonstration to be conducted*

CropGreen gram
Thrust Area: Nutrient Management
Thematic Area: Nutrientt Management
Season:Rabi, 2022-23
Farming Situation:Rainfed Medium land

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								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Green gram	1 ha	Application of 75 % N+75% P + full dose of K+ Foliar spray of 2% Urea Phosphate at 20& 35 DAS in green gram	Plant Height (cm), No. of pods/plant ,Yield, Net Return, B: C ratio				3	0	7	0	0	0	10	0	10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue	No. of Participants		

					On/Off	SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
F &FW training	Package and practices of green gram cultivation	1		1 day	off									25

5. Frontline demonstration to be conducted*

Crop:Maize
Thrust Area: Pest Management
Thematic Area: Pest Management
Season:Kharif, 2022
Farming Situation:Rainfed Medium land

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								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Maize	1 ha	Dusting 1.5 D % Chlorpyriphos in bund+ Spraying of Chloropyriphos + Cypermethrin @ 2 ml/ lit and Chlorantraniliprole 18.5% SC @ 0.4 ml/ lit and alternatively at 10 DAI.	% of pest infestation, no. of pests/plant, no. of plant infested/ sq.mt.				3	0	7	0	0	0	10	0	10

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
F &FW training	Management of FAW in maize	1		1 day	off									25

6. Frontline demonstration to be conducted*

Crop:Rice

Thrust Area: Pest Management
Thematic Area: Pest Management
Season:Kharif, 2022
Farming Situation:Rainfed Medium land

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								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Rice	1 ha	Seed treatment with *Pseudomonas fluorescens* @10g/kg of seed, spraying of Streptocycline @ 300 ppm + COC @ 0.3% at the initiation of the disease.	Percent disease index, Yield, BC Ratio				3	0	7	0	0	0	10	0	10

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
F &FW training	Management of BLB in rice	1		1 day	off									25

7. Frontline demonstration to be conducted*

Crop:Rice
Thrust Area: Pest Management
Thematic Area: Pest Management
Season:Kharif, 2022
Farming Situation:Rainfed Medium land

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								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Rice	1 ha	Seed treatment with *Pseudomonas fluorescens* @ 10 g/kg seed, 2 foliar sprayings with Trifloxystrobin 25% + Tebuconazole 50% @ 0.2% at 15 days interval starting at 1st appearance of the disease	Percent disease incidence, Yield, BC Ratio				3	0	7	0	0	0	10	0	10

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
F &FW training	Management of sheath rot	1		1 day	off									25

	in rice													

8. Frontline demonstration to be conducted*

Crop:Onion
Thrust Area: Varietal substitution
Thematic Area: Varietal substitution
Season:Kharif, 2022
Farming Situation:Rainfed Medium land

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								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Onion	1 ha	Onion variety Line 883 (Line 883: Bulb are dark, red, round shape, shiny skin, bulb dia 4.5-5.5cm, 90 days duration, avg. yield 300-325q/ha.)	Bulb size, bulb weight, incidence of disease and pest, days to maturity, yield (q/ha)				3	0	7	0	0	0	10	0	10

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
F &FW training	Package and practices	1		1 day	off									25

	of Onion cultivation													

9. Frontline demonstration to be conducted*

Crop:Paddy straw mushroom
Thrust Area: Homestead
Thematic Area:Homestead
Season:Kharif, 2022
Farming Situation:Homestead

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								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Paddy straw mushroom	1 ha	Recommended package of practices (*Volvariella volvacea*,strain-OSM-12)	1)Days to mycelia colonisation,2)Days to pin head emergence, 3)Days to first/second harvest, 4)Biological efficiency, 5)Economics				0	5	0	5	0	0	5	5	10

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
F &FW training	Package and practices of paddy straw mushroom cultivation	1		1 day	off									25

10. Frontline demonstration to be conducted*

Crop:Oyster mushroom
Thrust Area: Homestead
Thematic Area: Homestead
Season:Rabi, 2022-23
Farming Situation:Homestead

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								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Oyster mushroom	1 ha	Recommended package of practices (*P. ostreatus*)	1)Days to mycelia colonisation,2)Days to pin head emergence, 3)Days to first/second /third harvest, 4)Biological efficiency, 5)Economics				5	0	5	0	0	0	5	5	10

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
F &FW training	Oyster mushroom cultivation	1		1 day	off									25

11. Frontline demonstration to be conducted*

Crop:Redgram
Thrust Area: Nutrient Management
Thematic Area: Nutrient Management
Season:Kharif, 2022
Farming Situation:Rainfed Medium land

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								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Redgram	1 ha	Seed treatment with rhizobium @ 20 ml/kg seed and ammonium molybdate @ 4 gram /kg seed .	Plant height ,test weight .Yield,BC Ratio io				3	0	7	0	0	0	10	0	10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue	No. of Participants		

					On/Off	SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
F &FW training	Package and practices of redgram cultivation	1		1 day	off									25

12. Frontline demonstration to be conducted*

Crop:Onion
Thrust Area: Nutrient Management
Thematic Area: Nutrient Management
Season:Rabi, 2022-23
Farming Situation:Irrigated Medium land

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	Onion	1 ha	75 % (STBFA)NPK 90:30:45 Kg /ha + NPK consortia 4 lit /ha inoculated to 300 Kg of FYM with 15 Kg lime incubated for 1 week + FYM 10 ton /ha	Plant height(cm), Bulb weight (gm), Yield, BC Ratio				3	0	7	0	0	0	10	0	10

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
F &FW training	Package and practices of Onion cultivation	1		1 day	off									25

13. Frontline demonstration to be conducted*

Crop:Rice

Thrust Area: Weed Management

Thematic Area: Weed Management

Season:Kharif,2022

Farming Situation: Rainfed Medium land

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								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Rice	1 ha	**Application of pyrazosulfuron ethyl @ 20 g/ha as pre-emergence stage i.e 0-3 DAS followed by Bispyribac sodium @ 25 g/ha as post-emergence i.e 25 DAS**	**No.of weeds/sq.m, Weed biomass(g/sq.m), WCE(%)**				3	0	7	0	0	0	10	0	10

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
F &FW training	Integrated weed management in direct seeded rice	1		1 day	off									25

14. Frontline demonstration to be conducted*

Crop:Black gram
Thrust Area: Nutrient Management
Thematic Area: Nutrient Management
Season:Kharif,2022
Farming Situation: Rainfed Medium land

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								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Rice	1 ha	**Application of NPKS @ 18-20-16-20kg /ha at sowing and 2% DAP spray at branching and pod initiation stage of urd bean**	**Plant Height (cm)** **No. of branches/plant, no. of pods/plant**				3	0	7	0	0	0	10	0	10

15.**Frontline demonstration to be conducted***
Crop:Maize
Thrust Area: Nutrient Management
Thematic Area: Nutrient Management
Season:Kharif,2022
Farming Situation: Rainfed Medium land

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								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Maize	1 ha	**Soil application of Azospirillum @ 4kg/ha along with Boron 0.5 kg/ha and Zinc 2.5 kg/ha supplementation to soil test based NPK fertilizers**	**No. of cobs/plant, No of grains /cob, 1000 grain weight,**				3	0	7	0	0	0	10	0	10

15. Frontline demonstration to be conducted*
Crop:Sweet Potato
Thrust Area: NutrientSecurity
Thematic Area: NutrientSecurity
Season:Rabi, 2022-23
Farming Situation: Homestead

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T

				demonstrated												
1	Sweet potato	10 cents	**Introduction of Biofotified high yielding var: Bhukrishna and Bhusona in nutrigarden** **(BhuSona is a β carotene rich variety 14 mg 100 g-1 , dry matter 27-29%, starch 20%, total sugar 2-2.4% , ave yield 19.8 t/ha, has good cooking quality and suitable for food processing industry where as Bhu Krishna is an anthocyanin rich variety 85-90 mg 100g-1, dry matter 24-25.5%, starch 19.5% , total sugar 1.9-2.2%., ave yield 18 t/ha with fair cooking quality.)**	**Duration, yield, B:C ratio**												10

16.a) Distribution of farm implements/ other farm materials :

Sl. No.	Name of the Implements	Quantity	Beneficiaries (No.)
1	Knapsack Sprayer	50 nos.	50
2	Maize sheller	400 nos.	200
3	Bhendi plucker	400 nos.	200
4	Cycle weeder	50 nos.	50
5	Rose Cane	60 nos.	60
6	Chaff Cutter	30 nos	30
7	Improved Sickle	400 nos	200
8	Garden Rake	50 nos.	50
9	Vermibed	40 no.	20
10	Shednet	10 rolls	10 no.
11.	Polythene for polytunnel	10 rolls	10 no.
12	Foot sprayer	20 no.	20 no.

a) Distribution of mushroom spawn/Honey bee unit /poultry chicks/earth worm

Sl. No.	Particulars	Number	Beneficiaries (No.)
1	Paddy straw mushroom spawn	1000	100
2	Oyester mushroom spawn	1000	100
3	Honey bee unit	20	10
4	Poultry chicks (Banaraja breed)	1000	100
5.	Poultry chicks (Kadaknath)	1000	100
6.	Earth worm (*Eudrillus eugenea*)	80 kg	20 no.
7.	Papaya seedling	3000 no	200 no
8.	Drumstick seedling	3000 no.	200 no.

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

Name of the Crop / Enterprise	Variety / Type	Period From…… to ……..	Area (ha.)	Details of Production				
				Type of Produce	Expected Production (No. /quintal)	Cost of inputs (Rs.)	Expected Gross income (Rs.)	Expected Net Income (Rs.)
Paddy	Sahabhagi	July-October,2022	1.5 ha	Foundation seed	46 q	60000	124200	64200
Niger	Utkal Niger 150	August-November,2022	1.5 ha	Foundation seed	10 q	40000	65000	25000
Ragi	VL Mandua-	July-	1 ha	Certified	15q	25000	52000	27000

	352	October,2022						
Tomato	ArkaRaksha k	Kharif,2022	--	Seedling	1500	1800	3750	1950
Brinjal	**Hyb.**	Kharif	**--**	Seedling	**1500**	**1800**	**3750**	1950
Chilli	Hyb.	Kharif	--	Seedling	1500	1800	3750	1950
Papaya	Red lady	Kharif	--	Seedling	3000	30000	63000	33000
Drumstick	PKM 1	Kharif	--	Seedling	3000	24000	45000	21000
Vermicompost	--	Kharif	3 nos. of Pit		10 q	1500	15000	13500
Vermiworm		Kharif	3 nos. of Pit		2.5kg	--	1250	1250
Mushroom(Paddy straw mushroom)	--	Kharif		Mushroom	125kg			
Tomato	ArkaRaksha k	Rabi, 2021-22	--	Seedling	1500	1800	3750	1950
Brinjal	Arka Kranti	Rabi, 2021-22	--	Seedling	1500	**1800**	3750	1950
Chilli	Hyb.	Rabi, 2021-22	--	Seedling	1500	1800	3750	1950
Cabbage	Hyb.	Rabi, 2021-22	--	Seedling	2000	1500	5000	3500
Cauliflower	Hyb.	Rabi, 2021-22	--	Seedling	2000	1500	5000	3500
Knolkhol	Hyb.	Rabi, 2021-22	--	Seedling	2000	1500	5000	3500
Broccoli	Hyb.	Rabi, 2021-22	--	Seedling	2000	1500	5000	3500
Capcicum	Hyb.	Rabi, 2021-22	--	Seedling	500	4500	12000	1000
Marigold	Ceracole	Rabi, 2021-22	--	Seedling	5000	2500	6000	3500
Vermicompost	---	Rabi, 2021-22	3 nos. of pit	--	10 q	1500	15000	13500

Vermi worm		Rabi, 2021	3 nos. of pit	--	2.5kg	--	1250	1250
Mushroom(Oyester mushroom)		Rabi, 2021		Mushroom	175kg			

b) Village Seed Production Programme

Name of the Crop / Enterprise	Variety / Type	Period From…April 2022to March2023	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.)

2. 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	12	240	360	600	100	4	1	5	244	361	605
2.	KisanMela	1	105	195	300	100	5	2	7	110	197	307
3.	KisanGhosthi	-	-	-	-	-	-	-	-	-	-	-
4.	Exhibition	1	150	120	270	100	10	2	10	160	122	282
5.	Film Show	20	252	378	630	90	5	2	7	257	380	637
6.	Method Demonstrations	20	252	378	630	90	5	2	7	257	380	637

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
7.	Farmers Seminar	-	-	-	-	-	-	-	-	-	-	-
8.	Workshop	2	50	50	100	90	10	10	20	60	60	120
9.	Group meetings	15	140	185	325	95	5	2	7	145	187	332
10.	Lectures delivered as resource persons	36	855	1080	1935	75	52	9	61	907	1089	1996
11.	Advisory Services	15	125	35	160	100	6	2	8	131	37	168
12.	Scientific visit to farmers field	170	810	32	842	80	12	3	15	822	35	857
13.	Farmers visit to KVK	3200	2522	728	3250	70	22	7	29	2544	735	3279
14.	Diagnostic visits	172	1364	396	1760	60	24	5	29	1388	401	1789
15.	Exposure visits	2	12	0	12	90	3	0	4	25	0	25
16.	Ex-trainees Sammelan	3	60	15	75	85	5	2	7	65	17	82
17.	Soil health Camp	4	150	50	200	80	5	2	7	160	52	212
18.	Animal Health Camp	--	-	-	-	-	-	-	-	-	-	-
19.	Agri mobile clinic	-	-	-	-	-	-	-	-	-	-	-
20.	Soil test campaigns	10	150	100	250	70	10	10	20	160	110	270
21.	Farm Science Club Conveners meet	-	-	-	-	-	-	-	-	-	-	-

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
22.	Self Help Group Conveners meetings	-	-	-	-	-	-	-	-	-	-	-
23.	MahilaMandals Conveners meetings	-	-	-	-	-	-	-	-	-	-	-
24.	Celebration of important days (specify)	5	135	115	250	75	12	5	17	147	120	267
25.	Sankalp Se Siddhi	--	-	-	-	-	-	-	-	-	-	-
26.	Swatchta Hi Sewa	36	375	345	720	80	15	7	21	390	352	742
27.	Mahila Kisan Diwas	1	0	35	35	88%	0	5	5	0	40	40
28.	Any Other (Specify)											
	Total	3703	7445	4184	11629	1435	197	63	258	7657	4247	11904

Sd/-
Senior Scientist & Head
KVK, Nabarangpur