

ACTION PLAN 2025-26

1. Name of the KVK: Bolangir

Address	Telephone	E mail
At-Larkipali, (RE Farm) PO.Rajendra College , Bolangir-767002 (Odisha)	06652250165	kvkbolangir.ouat@gmail.com bolangirkvk@yahoo.com

2.Name of host organization :

Address	Telephone		E mail
	Office	FAX	
OUAT, Bhubaneswar	0674-2397424	0674-2397919	ouatacademic62@gmail.com

3.Training programmes to be organized (April 2025 to March 2026)

(No. of trainees under categories, date of training are tentative; Venue may be OFF / ON as per situation/ farmers choice)

(a) Farmers and farmwomen :

[illegible]

[illegible]

(b) Rural youths (15 nos.)

[illegible]

[illegible]

[illegible]

4. Frontline demonstration to be conducted* (20 nos.)

FLD 1	Demonstration on rice variety Kalinga dhan-1203
Code	25FAG2 (K)
Crop	Rice
Thrust Area	Low yield from existing varieties
Thematic Area	Varietal evaluation
Season	Kharif 2025
Farming Situation	Rainfed Medium land
FLD 2	Demonstration of Aromatic rice variety Kalikati for higher profitability
Code	25FAG5 (K)
Crop	Rice
Thrust Area	Low yield and non- availability of suitable aromatic rice varieties
Thematic Area	Varietal evaluation
Season	Kharif 2025
Farming Situation	Irrigated medium land
FLD 3	Demonstration of integrated nutrient management in sunflower
Code	24FAG36 (R)
Crop	Sunflower
Thrust Area	Improper use of chemical fertilizer
Thematic Area	Integrated nutrient management
Season	Rabi 2025-26
Farming Situation	Irrigated medium land
FLD 4	Demonstration of high yielding variety of Finger millet
Code	24FAG15 (K)
Crop	Finger millet
Thrust Area	Low yield due to non- availability of high yielding variety of finger millet
Thematic Area	Varietal evaluation
Season	Kharif 2025
Farming Situation	Rain-fed medium land
FLD 5	Demonstration on HYV groundnut, Var. Kalinga groundnut-101
Code	24FAG21(K/R)
Crop	Groundnut
Thrust Area	Low yield due to use of indigenous low yielding varieties
Thematic Area	HYV groundnut
Season	Rabi 2025-26
Farming Situation	Irrigated upland
FLD-6	Demonstration of integrated nutrient management in Sesamum
Code	25FAG22 (R)
Crop	Sesamum
Thrust Area	Low yield due improper use of chemical fertilizer
Thematic Area	Integrated nutrient management
Season	summer
Farming Situation	Irrigated up land
FLD 7	Integrated weed management in Toria
Code	24FAG24 (R)
Crop	Toria
Thrust Area	Low yield due to heavy weed infestation
Thematic Area	Integrated weed management
Season	Pre-Rabi 2025-26
Farming Situation	Rainfed Medium land
FLD 8	Demonstration on tuberose variety Prajwal cultivation for income generation.
Code	23FHO12(K)

Crop	Tuberose
Thrust Area	Low yield due to non availability of suitable variety
Thematic Area	High yielding variety
Season	2025-26 (Kharif)
Farming Situation	Irrigated up land
FLD 9	Demonstration of Okra variety Kashi Chaman
Code	24FHO08(R)
Crop	Okra
Thrust Area	Low yield due to non availability of suitable variety
Thematic Area	High yielding variety
Season	2025-26 (Rabi)
Farming Situation	Irrigated up land
FLD 10	Demonstration on polythene mulching in chilli for higher yield and profitability
Code	24FHO13(R)*
Crop	chilli
Thrust Area	Low yield to weed growth
Thematic Area	Crop management
Season	2025-26 (Rabi)
Farming Situation	Irrigated up land
FLD-11	Demonstration of usefulness of crop/livestock calendar for improving the technical knowledge of farmers and application of technology.
Code	24FEE02(Y)
Commodity	Groundnut
Thrust Area	Crop Management
Season	Kharif & Rabi-2025
Farming Situation	Irrigated medium land
FLD-12	Demonstration on the extent of adoption of climate resilient technology among farmers for sustainable production
Code	25FEE01(Y)
Commodity	Crops & Livestock
Thrust Area	Climate Resilient technologies
Season	Kharif & Rabi-2025-26
Farming Situation	Irrigated medium land
FLD 13	Demonstration on backyard or low input technology (LIT bird breed-Kalinga Pallishree)
Code	23FAS01(Y)*
Commodity	Poultry bird
Thrust Area	Developed backyard variety production in backyard system
Thematic Area	Livestock production and management
Season	Rabi 2025-26
Farming Situation	Backyard
FLD 14	Demonstration on dietary supplementation of mineral mixture and concentrate on juvenile growth of goats
Code	24FAS01*
Commodity	Goat
Thrust Area	Grower goat management
Thematic Area	Livestock production and management
Season	Kharif 2025
Farming Situation	Semi-intensive goat farming
FLD 15	Demonstration on concentrate and mineral mixture supplementation to improve production performance of goat in periparturient period
Code	23FAS03*
Commodity	Goat

Thrust Area	Kid mortality
Thematic Area	Livestock production and management
Season	Kharif 2025
Farming Situation	Semi-intensive goat farming
FLD 16	Demonstration on milk replacer for pre-weaning kids
Code	24FAS02*
Commodity	Goat
Thrust Area	Developed backyard variety production in backyard system
Thematic Area	Livestock production and management
Season	Rabi 2025-26
Farming Situation	Semi-intensive goat farming
FLD-17	Demonstration on tractor drawn multi crop seed cum fertilizer drill for direct seeding of rice
Code	23FAE01(K)
Commodity	Rice
Thrust Area	Farm mechanization
Season	Kharif-2025
Farming Situation	Rainfed medium land
FLD-18	Demonstration on plastic punnets for storage of paddy straw mushroom
Code	23FAE11 (K)
Commodity	Mushroom
Thrust Area	Post Harvest Management
Season	Kharif-2025
Farming Situation	Homestead
FLD-19	Demonstration on drip irrigation with mulching in tomato
Code	24FAE02 (R)
Commodity	Tomato
Thrust Area	Micro-irrigation
Season	Rabi-2025-26
Farming Situation	Irrigated medium land
FLD-20	Demonstration on tractor drawn multicrop planter for line sowing groundnut
Code	23FAE16 (R)
Commodity	Groundnut
Thrust Area	Farm mechanization
Season	Rabi-2025-26
Farming Situation	Irrigated medium land

Details of FLDs :																
FL D No .	Crop & variety / Enterprises	Prop osed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			Tentative No. of farmers / demonstration								
					Name of Input	Dem o	L o c a l	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Rice	10	Kalinga Dhan 1203 is of medium slender grain type with the average yield of 54.3 q/ha, 135days duration and suitable for irrigated medium lands. Line sowing with spacing 20cm X 15cm, seed rate- 60kg/ha and application of fertilizer NPK @ 60:30:30	Plant height, no. of effective tillers/hill, grains/panicle and Test wt ,Yield (q/ha), Straw yield (q/ha) , net return (Rs/ha) and B:C ratio	Seed	10,000		2	0	1	0	7	0	10	0	10
2	Rice		Cultivation of aromatic rice variety Kalikati (135days). Line sowing with spacing 20cm X 15cm, seed rate- 05kg/ha and application of fertilizer NPK @ 40:30:30	Plant height, no. of effective tillers/hill, grains/panicle and Test wt ,Yield (q/ha), Straw yield (q/ha) , net return (Rs/ha) and B:C ratio	Seed	6,000		2	0	1	0	7	0	10	0	10
3	Sunflower	10	STB fertiliser application (RDF: 60-80-60 kg N: P ₂ O ₅ : K ₂ O/ha) + ZnSO ₄ @ 25 kg/ha + Borax @10 kg/ha + Biofertilizer(Azotobacter+Azospirillum + PSB 1:1:1 @4 kg /ha each) incubated with FYM for 7 days	Plant height, head size, filled seeds/head, test weight, seed yield and oil yield, pH, Ec, OC, Soil NPKBS content,Seed yield and oil yield		15,000		2	0	1	0	7	0	10	0	10

4	Finger millet	10	OUAT Kalinga Ragi-1 (Shreeratna) Duration- 117 days, light brown seed colour, Average yield-2416 kg/ha. Resistant to brown spot and foot rot , moderately resistant to blast disease , stem borer, aphid and grass hopper Seed rate- 5kg/ha for line transplanting with spacing 22.5 X 10 cm and application of NPK @ 40: 20:20	Effective tillers/ m2, No of finger /earhead, Yield (q/ha) Cost of intervention. Additional income over additional investment Yield (q/ha), B:C ratio	4000	2	2	1	0	5	0	8	2	10
5	Groundnut	10	Kalinga ground nut-101 has an average pod yield of 1.7t/ha, suitable for cultivation under residual soil moisture and tolerant to drought, foliar fungal diseases, late leaf spots & rust.	Plant height (cm) No. of pods/plant Pod yield, economics Cost of intervention. Additional income over additional investment Yield (q/ha), B:C ratio	4,000	2	0	1	0	7	0	10	0	10
6	Sesamum	10	STBFR+Soil application of PSB@5kg/ha+Sulphur@20 kg/ha	No. of branches/plant, no of capsule/plant, no. of seed/ capsule, 1000 seed weight (g) Cost of intervention. Additional income over additional investment Yield (q/ha), B:C ratio	5000	2	0	1	0	7	0	10	0	10
7	Toria	10	Application of pendimethalin 30 EC @0.75 kg/ha fb application of rice straw mulch at 12 DAS	No. of branches/plant, no of siliqua/plant, no. of seed/siliqua, 1000 seed weight (g) Cost of intervention. Additional income over additional investment Yield (q/ha), B:C ratio	5000	2	0	1	0	7	0	10	0	10

8	Tuberose	10	Planting time june-july, planting distance 45x30 ,NPK 200:200:200	Yield(q/ha),no of spike /per plant,Bc ratio	Prajwal variety bulb	15000	0	2	0	1	0	7	0	10	0	10
9	Chilli	10	Seedling raising august-september transplanting October-november, spacing 40x35, FYM 25 ton NPK100:60:60 with polythene mulching	Yield(q/ha),no of fruit /per plant,Bc ratio	Polythene mulching	15000	0	2	0	1	0	7	0	10	0	10
10	Okra	10	Planting time september-october, planting distance 60x45 ,NPK 150:110:75 FYM 10-12 ton	Yield(q/ha),no of plant /per plant, fruit length (cm) Bc ratio	Seed	15000	0	2	0	1	0	7	0	10	0	10
11	Goat	20	Feeding of kids (3months of age) with mineral mixture (ASMM) @ 10g/day and concentrate @ 50-80 g/goat/day up to 60 days	Body wt gain (3, 6,9,12 months), mortality, BC ratio	Concentrate and mineral mix	Rs. 120 /goat/2m		3	0	2	0	15	0	20	0	40
12	Goat	20	Milk replacer reconstituted with water at 1:5 and feed to kids individually through bottle in increasing quantities with age reaching max of 250ml/day/ kid until 90 days.	Kid mortality, Wt gain, BCR.	Milk replacer	Rs 10/ goat /day		3	0	2	0	15	0	20	0	40
13	Goat	20	Supplementation of 100 g concentrate and 20g mineral mixture for 30 days before parturition up to 60 days after parturition	Weight gain in new born and mortality in new born	Concentrate and mineral mix	Rs. 250 /goat/3m		3	0	2	0	15	0	20	0	60
14	Poultry	20	Rearing of day old Kalinga Pallishree chick with proper brooding (feeding upto 21 days and vaccination upto 28 days) and further rearing in backyard system	Rate of chick mortality, weight gain in 1m, 2m ,3m age, Age of egg lying, Avg egg production in 6m and 1yr	chicks Developer feed	Rs. 700 /farmer	-	3	0	2	0	15	0	20	0	20

15	Mushroom	10	Preparation of small videos (0.5-2.0 minutes) on different activities of production process of selected commodities and the same will be sent through WhatsApp to the identified group of farmers.	Effectiveness, adoptability, easiness of handling	Video recorder, Camera, It accessories												60
16	Groundnut	10	Providing crop calendar with multi colour pictorial, concise and Season specific message, very informative and particular information regarding specific technology for improving the technical know how of farmers.	Adoption percentage, constraints.	Crop calendar print leaflet in color												90
17	Crop & Livestock	10	Recommended climate resilient technologies/enterprises practiced by the farmers	Cost Reduction (Rs/ha) Yield enhancement(q/ha) Crop loss(%) cropping Intensity(%) Incremental income	Scheduled format paper & typing												90
18	Mushroom	20 units	Pre-cooling 6 kg paddy straw mushroom at 14°C for 2h followed by packing in 75 µ HIPS punnet (24 no of punnets with 250 g sample) can be transported to distant markets in modified EPS cabinet with 6 kg ice placed in the separate side compartment	Shelf life (no. of days), Additional income over additional investment	Plastic punnets, EPS Cabinet	1000		-	5	-	-	-	5	-	10		10

19	Tomato	1 ha	Use of 50 micron mulch film with inline drip irrigation(emitter discharge 4 lph) operating for 1 hr-2hr daily and water use efficiency will be increased by 30-40% yield enhancement (15-20)%	Irrigation interval, weeding cost, irrigation water used (mm)	Drip, mulching	400 00		1	1	1	1	3	3	5	5	10
20	Groundnut	4 ha	Sowing of groundnut seeds by tractor drawn Multicrop planter	Labour required(mandays/ha), cost of operation(Rs/ha),	Tractor or draw n Multi crop seed cum fertilizer drill	100 00		2	0	4	0	0	4	1 0		10

Extension and Training activities under FLD:

Activity	Title of Activity	No	Client ele	Duration	Venue	No. of Participants (tentative)								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Seed Production of Millets for Nutri-Gardens	1	F/FM	1	OFF	5	1	4	1	11	3	20	5	25
Training	Aromatic rice production for more income	1	F/FW	1 day	Off	2	0	4	1	14	4	20	5	25
Training	Integrated crop management practices in sesamum		F/FW	1 day	Off	5	1	4	1	11	3	20	5	25
Training	Improved package and practices in millet crops		IS	1 day	ON	5	0	5	0	10	0	20	0	20

Training	Production technologies of Millets		F/FW	1 day	Off	5	1	4	1	11	3	20	5	25
Field Day	Demonstration on rice variety Kalinga dhan-1203	1	F/FW	1 day	Off	10	10	5	5	15	5	30	20	50
Field Day	Demonstration of Aromatic rice variety Kalikati for higher profitability	1	F/FW	1 day	Off	15	15	5	0	10	5	30	20	50
Field Day	Demonstration of integrated nutrient management in sunflower	1	F/FW	1 day	Off	5	5	0	0	25	15	30	20	50
Field Day	Demonstration of high yielding variety of Finger millet	1	F/FW	1 day	Off	10	10	5	5	15	5	30	20	50
Field Day	Demonstration of high yielding variety of Groundnut	1	F/FW	1 day	Off	15	15	5	0	10	5	30	20	50
Field Day	Demonstration of integrated nutrient management in Sesamum	1	F/FW	1 day	Off	10	10	5	5	15	5	30	20	50
Field Day	Integrated weed management in Toria	1	F/FW	1 day	Off	15	15	5	0	10	5	30	20	50
Training	Housing, feeding and disease management in goat farming	1	F/FW	1 day	Off	4	2	5	1	10	3	19	6	25
Training	Prevention of newborn and young deaths in livestock.	1	F/FW	1 day	Off	5	3	3	1	9	4	17	8	25
Training	Vaccination and disease management in poultry birds	1	F/FW	1 day	Off	4	2	5	1	10	3	19	6	25
Field Day	Demonstration on dietary supplementation	1	F/FW	1 day	Off	7	1	3	2	13	4	23	7	30

	of mineral mixture and concentrate on juvenile growth of goats													
Field Day	Demonstration on backyard or low input technology (LIT bird breed-Kalinga Pallishree)	1	F/FW	1 day	Off	7	1	3	2	13	4	23	7	30
Field Day	Demonstration on milk replacer for pre-weaning kids	1	F/FW	1 day	Off	7	1	3	2	13	4	23	7	30
Field Day	Demonstration on Concentrate + mineral mixture supplementation to improve production performance of goat in periparturient period	1	F/FW	1 day	Off	7	1	3	2	13	4	23	7	30
Field Day	Demonstration on tractor drawn multicrop seed cumfertilizer drill for direct seeding of rice	1	F/FW	1 day	Off	10	1	3	2	10	4	23	7	30
Field Day	Demonstration on plastic punnets for storage of paddy straw mushroom	1	F/FW	1 day	Off	0	8	0	5	10	7	23	7	30
Field Day	Demonstration on tractor drawn multicrop planter for line sowing of groundnut	1	F/FW	1 day	Off	5	3	3	2	13	4	23	7	30
Field Day	Demonstration on drip irrigation with mulching in tomato	1	F/FW	1 day	Off	2	6	3	2	13	4	23	7	30
Field day	Nutrient management in onion	1	F/FW	1 day	Off	2	6	3	2	13	4	23	7	30

5. a) 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 (quintals)	Cost of inputs (Rs.)	Expected Gross income (Rs.)	Expected Net Income (Rs.)
Paddy	MTU 1318	July to Dec	4.5	Foundation	180	80,000	702000	342000
Paddy	Swarna Sakti	July to Dec	2	Foundation	70	80,000	273000	113000
Dhanicha	TL		1	TL	5	15,000	35000	20,000
Vegetable	Tomato, Brinjal, Cauliflower, cabbage, Brocoli, Chilli	Oct to Feb	-	Seedlings	100000 nos.	60000	100000	40000
Onion	Line 883	July to Aug	-	Seedlings	150000 nos.	2000	10000	8000
Poultry	Aseel/Kavery/LIT brooded chicks	Aug to March	-	Chicks	2000 nos.	130000	210000	80000
Vermicompost	<i>Vermicompost</i>	July to March	-	<i>Vermicompost</i>	20q	12000	40000	30000
Vermin	<i>Eiseniafetida</i>	July to March	-	Vermin	15 kg		7500	7500

6. Extension Activities

Sl. No.	Activities/ Sub-activities	No. of activity	Total (Approx)		
			Male	Female	Total
1.	Field Day	12			360
2.	Kisan Mela	2			400
3.	Kisan Ghosthi	4			100
4.	Exhibition	4			1000
5.	Film Show	10			500
6.	Method Demonstrations	10			100
7.	Farmers Seminar	2			100
8.	Workshop	1			50
9.	Group meetings	12			300
10.	Lectures delivered as resource persons	20			500
11.	Advisory Services	48			1000
12.	Scientific visit to farmers field	65			1600
13.	Farmers visit to KVK	--			--
14.	Diagnostic visits	48			700
15.	Exposure visits	5			100
16.	Ex-trainees Sammelan	4			80
17.	Soil health Camp	3			120
18.	Animal Health Camp	4			140
19.	Agri mobile clinic	2			40
20.	Soil test campaigns	3			120
21.	Farm Science Club Conveners meet	1			25
22.	Self Help Group Conveners meetings	10			200
23.	Mahila Mandals Conveners meetings	1			30
24.	Celebration of important days (World food day, Women in agri lday, World soil day, Kisan diwas etc)	5			2500
25.	PM Kisan diwas	2			100
26.	Swatchta Hi Sewa	10			200
27.	International women day	1			35
28.	Any Other (Specify)				
	Total	273			10400

7. Revolving Fund (in Rs.)

Opening balance of 2025 (As on 01.04.2025)	Amount proposed to be invested during 2025-26	Expected Return
923314.9	900000	-

8. Expected fund from other sources and its proposed utilization

Project	Source	Amount to be received (Rs. in lakh)

9. On-farm trials to be conducted* (10 nos.)

OFT-1: Code-240AG07 (K)

Season	Kharif-2025
Title of the OFT	Assessment of Non Ragi millet crops for diversification of Millet production system
Problem Diagnosed	Scope for improvement in yield of millet crops and crop diversification
Important cause	Less crop diversification
Production System	Rice-Rice cropping system
Micro farming situation	Rainfed, up land and medium land
Technology for testing	TO ₁ :Little millet TO ₂ :Pearl millet TO ₃ :Foxtail millet TO ₄ :Sorghum
Existing practice	Cultivation of local var. kalamandia
Hypothesis	Fulfilling the demand of millet crops/ Nutri cereals. Improvement in yield of millet crops and crop diversification.
Objectives	To improve millet yield and crop diversification in Balangir district.
Treatment	TO ₁ :Little millet TO ₂ :Pearl millet TO ₃ :Foxtail millet TO ₄ :Sorghum
Critical Inputs	Little millet , Pearl millet, Foxtail millet, Sorghum
Unit Size	0.2ha
No. of Replication	7
Unit cost	1000
Total Cost	7000
Monitoring Indicator	Plant density and yield of individual crops, ragi equivalent yields, economics
Source of Technology	Source: IIMR, 2023

OFT-2: Code-250AG02 (K)

Season	Kharif-2025
Title of the OFT	Assessment on BPH resistant varieties of Paddy
Problem Diagnosed	Low yield due to BPH infestation
Important cause	non availability of BPH resistant variety
Production System	Rice-Rice cropping system
Micro farming situation	Irrigated medium land
Technology for testing	TO ₁ : CR Dhan 803 TO ₂ : CR Dhan 413 TO ₃ : Hasanta
Existing practice	Cultivation of Rice variety Puja
Hypothesis	BPH tolerant varieties will reduce BPH survival, reproduction and feeding
Objectives	To identify location specific variety and enhance the productivity
Treatment	TO ₁ : Hasanta TO ₂ : CR Dhan 803 TO ₃ : CR Dhan 413
Critical Inputs	Seeds
Unit Size	1ha
No. of Replication	7
Unit cost	5000
Total Cost	17000
Monitoring Indicator	Effective panicles/ m ² , No of filled grains /Panicke, BPH incidence percentage , Yield (q/ha), B:C ratio
Source of Technology	Source: NRRI,2021

OFT- 3- Code-25OAG1 (K)

Season	Kharif-2025
Title of the OFT	Assessment on Bio-fortified Rice varieties
Problem Diagnosed	Mal nutrition in farm families
Important cause	Lack of Knowledge and non-availability of Bio-fortified rice varieties
Production System	Rice-Greengram
Micro farming situation	Rainfed Medium land
Technology for testing	TO ₁ - DRR 48 TO ₂ -CR Dhan 311 TO ₃ -CR Dhan 315
Existing practice	Cultivation of rice variety MTU 1156
Hypothesis	To improve the nutritional value of staple foods and to address malnutrition.
Objectives	To identified location specific high yielding bio-fortified variety of rice
Treatment	TO ₁ - DRR 48 semi-dwarf, long-grain variety known for its high zinc content and relatively short maturity period of around 125-130 days TO ₂ -CR Dhan -311, duration 120-125 days having Protein content of at least 10% and moderately high Zinc. TO ₃ -CR Dhan 315 (IET 27179: CR 2826-1-1-2-4B-2-1) has as bio-fortified characteristics, high zinc rice variety It contains an average 25 ppm zinc in milled rice It has medium duration (125-135 days), National average of grain yield of this variety was 5054 kg ha ⁻¹ .
Critical Inputs	Seeds
Unit Size	1ha
No. of Replication	7
Unit cost	5000
Total Cost	14000
Monitoring Indicator	Effective panicles/ m ² , No of filled grains /Panicke, Yield (q/ha)
Source of Technology	IRRI 2015, NRRI, 2019 and CRRI,2020

OFT- 4- Code-24OAG12(K/R)

Season	Rabi-2025
Title of the OFT	Assessment on rice-based cropping system for higher profitability
Problem Diagnosed	Low profitability due to declining yields in Rice based cropping system
Important cause	Insufficient resource management and increasing production costs
Production System	Rice-Groundnut
Micro farming situation	Irrigated up land
Technology for testing	TO ₁ - Rice-groundnut + sweetcorn (6:2) TO ₂ - Rice-groundnut + Sunflower (6:2)
Existing practice	Rice-groundnut
Hypothesis	Intercropping can lead to increased resource use efficiency, higher yield and improve pest and disease management practices.
Objectives	To evaluate best cropping system for higher profitability
Treatment	TO ₁ - Rice-groundnut + sweet corn (6:2) TO ₂ - Rice-groundnut + Sunflower (6:2)
Critical Inputs	Seeds
Unit Size	1ha
No. of Replication	7
Unit cost	7000
Total Cost	21000
Monitoring Indicator	Plant height (cm), no. of pods/ plant, no. of seeds/pod, Yield (q/ha) Individual crop yield, cropping intensity, system equivalent yield, economics
Source of Technology	TNAU, 2021

OFT-5: Code-23OAS03(Y)*

Season	2025-26 (Kharif)
Title of the OFT	Assessment of low cost concentrate mixture on CB heifer for early onset of estrus
Problem Diagnosed	Delayed puberty in heifers
Important cause	Low weight at the age of maturity
Production System	Dairy
Micro farming situation	Homestead and grazing
Technology for testing	TO-1: Grazing + Straw @ 6-8 kg/day + Conc. Mix 1 (Maize-50%, Wheat bran- 30%, GNOC-17%, mineral mix -2.5%, salt -0.5%) TO2: Grazing + Straw @ 6-8 kg/day + Conc. Mix 2 (Maize-25%, Broken rice- 25% Wheat bran – 30%, GNOC-10%, mineral mix -2.5%, salt -0.5%)
Existing practice	Grazing , heavy straw feeding and occasional concentrate feeding (4-5 kg wheat bran)
Hypothesis	Feeding of concentrate will increase the body weight gain in heifers. Heifers with proper weight will attain puberty
Objectives	How many heifers are attaining puberty with the said Feed options. Most importantly the which feed formulation is effective in terms of puberty attaining and also in terms of cost of production
Treatment	TO 1: Grazing + Straw @ 6-8 kg/day + Conc. Mix 1 TO 2 : Grazing + Straw @ 6-8 kg/day + Conc. Mix 2
Critical Inputs	Conc. Mix
Unit Size	1
No. of Replication	10
Unit cost	1500
Total Cost	15000
Monitoring Indicator	Body weight at puberty, age at first heat, conception rate
Source of Technology	ICAR-IGFRI, Jhansi -2017

OFT-6: Code-23OAS02(Y)*

Season	2025-26 (Y)
Title of the OFT	Assessment of different duck breeds for better production in the district
Problem Diagnosed	Duck breeds reared are purely local and less remunerative
Important cause	Low productivity in local/desi duck var
Production System	Duck
Micro farming situation	Homestead and backyard
Technology for testing	Two duck varieties will be tried to find out the better var in terms of production potential and adaptability
Existing practice	Local duck or desi variety
Hypothesis	Better var. in terms of adaptability will give better performance in terms of weight gain and egg production
Objectives	To find out the duck var. suitable for the district in terms of production
Treatment	TO ₁ :Khaki Campbell TO ₂ : Desi X Khaki Campbell
Critical Inputs	Khaki Campbell duckling, Desi X Khaki cros duck ling, feed
Unit Size	10
No. of Replication	10
Unit cost	1500
Total Cost	15000
Monitoring Indicator	Chick mortality, Growth rate and egg productivity
Source of Technology	ICAR-CARI, BBSR, 2016-17

OFT-7 :Code-24OEE01(R)*

Season	Rabi-2025-26
Title of the OFT	Assessment of Rice fallow management Programmes
Problem Diagnosed	Discontinuance of govt. programmes in rice fallow management
Micro farming situation	Rice- based (Rainfed/Irrigated)
Existing practice	Farmers keep their rice field fallow
Objectives	To identify the level of utility of fallow land after discontinuance of govt. scheme
Treatment	FP: Farmers keeping areas fallow after rice Cultivation TO1: Farmers cultivating pulses/oilseeds in fallow areas under any govt. (line dept./KVK) assistance/programme TO2: Farmers discontinue after discontinuance of govt. assistance
Critical Inputs	Banner, Leaflets
No. of Replication	3
Unit cost	2000
Total Cost	6000
Observation parameters	Adoption index ,Rejection stage in adoption process(A-I-E-T-A-C),Causes of rejection Extension approach adopted at different stages
Source of Technology	OUAT, Bhubaneswar

OFT-8 : Code-25OEE04 (Y)

Season	Year round-2025
Title of the OFT	Assessment of effective channels for dissemination of detailed information on Entrepreneurship development schemes (MKUY)
Problem Diagnosed	Poor accessibility and less clarity of information on entrepreneurship development schemes of govt
Micro farming situation	Rainfed and irrigated
Existing practice	Farmers getting information from peer group, input dealers, extension functionaries, mass media and, KMA
Objectives	To find out effective channel for dissemination of govt. schemes of Agriculture & allied
Treatment	FP - Information received from extension functionaries T O₁ -Information received from Print media T O₂ -Information received from social media
Critical Inputs	Short video, print material etc
No. of Replication	5
Unit cost	3000
Total Cost	15000
Observation parameters	Timely Availability, Accessibility, Understand/Clarity of content , Change in Knowledge and Applicability
Source of Technology	OUAT,Bhubaneswar

OFT-09 : Code-23OAE07 (K)

Season	Kharif 2025
Title of the OFT	Assessment of different Wet Land Power Weeders in Paddy
Problem Diagnosed	Labour intensive, Drudgery prone and time consuming operation in manual weeding
Important cause	Unavailability of labour
Production System	Rice based
Micro farming situation	Rainfed medium land
Technology for testing	TO1: MandwaWeeder TO2: Wet Land Power Weeder
Existing practice	Manual
Hypothesis	Mechanical weeding will be cost effective
Objectives	To reduce the cost of weeding
Treatment	FP: Manual wedding TO₁: MandwaWeeder TO₂: Wet Land Power Weeder
Critical Inputs	Mandawaweeder, wet land paddy weeder
Unit Size	1 ha
No. of Replication	7
Unit cost	5000
Total Cost	35000
Observation parameters	Field capacity (ha/h), Weeding Index(%), Labour utilization (man days/ha), Plant damage(%)
Source of Technology	AICRP on ESA, CAET, OUAT, 2011 & 2013

OFT-10 : Code-24OAE01(R)

Season	Rabi, 2025-26
Title of the OFT	Assessment on irrigation through sprinkler for enhancing yield of greengram
Problem Diagnosed	no irrigation leads to lesser yield
Important cause	Labour scarcity
Production System	Rice-greengram
Micro farming situation	Irrigated medium land
Technology for testing	TO1 : sprinkler irrigation once at pre flowering stage TO2 : sprinkler irrigation once at pre flowering stage and once at pod formation stage
Existing practice	No irrigation
Hypothesis	Sprinkler irrigation will increase the yield
Objectives	To increase yield
Treatment	TO1 : Sprinkler irrigation once at pre flowering stage TO2 : Sprinkler irrigation once at pre flowering stage and once at pod formation stage
Critical Inputs	Sprinkler sets
Unit Size	-
No. of Replication	7
Unit cost	12000
Total Cost	84000
Observation parameters	Yield(q/ha), net income(Rs/ha), B:C
Source of Technology	ICAR-IIWM, 2018-19

Soil and Water testing

Details	No. of Samples	No. of Farmers									No. of Villages	No. of SHC to be distributed
		SC		ST		Other		Total				
		M	F	M	F	M	F	M	F	T		
Soil Samples	500	450		100		2350		3000		3000	15	3000
Water Samples	-	-	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-	-	-
Total	500	450		100		2350		3000		3000	15	3000

Funds requirement and expenditure

Heads	Expenditure (last year) up to 31.03.2025	Expected fund requirement 2025-26
TA	144658	150000
Office Expenses/ POL etc.	400000	500000
Training (FW/ RY/ IS)	225000	300000
FLD	97777	120000
OFT	103053	120000
SCSP Contingency	1071800	1200000
HRD	22000	30000
NR(works)	499744	1500000
Swachhata activities	32000	35000
CFLD (Oil seed)	410868	900000
CFLD (Pulses)-Fund not released till 31.03.2025	897684	900000
NICRA	1508750	1800000
PM Kisan	21330	25000
CSISA	27150	30000
FPO	102000	150000
Total	5563814	7760000

Sr. Scientist & Head
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