ANNUAL ACTION PLAN

2025-2026

KVK, JAJPUR

OUAT, BHUBANESWAR

BASIC INFORMATION OF THE DISTRICT

1	Geographical area	2,89,900 ha
2	Gross cropped area	2,50,602 ha
3	Total cultivated area Upland Medium land Low land	1,45,450 ha 51754 ha (36%) 48036 ha (33%) 45660 ha (31%)
4	Net sown area	1,37,000 ha
	Fallow land	5000 ha
	Waste land	4000 ha
5	Total Paddy area	1,17,000 ha
6	Cropping intensity	170 %
7	Soil type	Alluvial soil, red laterite soil, saline soil
8	No of GP	331
9	No of village	1859
	Total population	1826000
	SC population	3,73513
	ST population	125989
10	No of Agriculture laboures	81,907
11	No of non-Agriculturelaboures	2,45,421
12	Irrigation potential -Kharif - Rabi	 47% 27%
13	Fertilizer consumption -Kharif - Rabi - Average - Humidity - Temperature - Min - Max - Annual Rain fall - No. of rainy day - PH range	 111.2 kg/ha 56.86 kg/ha 84.03 kg/ha 62% -87 % 14^{0} C 43^{0} C 1559.9 mm 73.2 4 to 7.40

2.Training programme to be Organized (April 2025 to March 2026)

(a) Farmers and Farmwomen

Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
					SC		ST		Other		Total		
					M	F	M	F	M	F	M	F	T
Crop production													
Integrated weed management in Jute	1	1	Off	June ,2025	2	-	-	-	23	-	25	-	25
Nursery management for quality rice seedling production	1	1	Off	July,2025	1	-	-	-	24	-	25	-	25
INM in rice	1	1	Off	July, 2025	1	-	-	-	24	-	25	-	25
IWM in maize	1	1	Off	Aug, 2025	-	-	-	-	25	-	25	-	25
Improved cultivation practice of millet crops (Sorghum & Pearl millet)	1	1	Off	Aug, 2025	-	-	-	-	25	-	25	-	25
Improved cultivation practice of millets (Finger millet & Little millet)	1	1	Off	Sept, 2025	-	-	-	-	25	-	25	-	25
Integrated Farming system for livelihood security	1	1	Off	Sept, 2025	-	-	-	-	25	-	25	-	25
Improved jute harvesting and retting for quality fiber production	1	1	Off	Oct, 2025	-	-	-	-	25	-	25	-	25
Cultivation of stress tolerant rice varieties to mitigate climate change	1	1	Off	Oct, 2025	1	-	-	-	24	-	25	-	25
INM in groundnut	1	1	Off	Nov, 2025	1	-	-	-	24	-	25	-	25
Integrated Nutrient Management in sugarcane	1	1	Off	Nov, 2025	-	2	-	-	22	1	22	3	25
Intercropping for higher yield and sustainability	1	1	Off	Dec, 2025	-	-	-	-	25	-	25	-	25
IWM in sugarcane	1	1	Off	Dec, 2025	2	1	-	-	22	-	24	1	25
Integrated weed management in groundnut	1	1	Off	Jan, 2025	3	1	-	-	21	-	24	1	25
Soil Science													
Technique of soil sample collection & fertilizer management	1	1	Off	June, 2025	2	1	-	-	22	-	24	1	25

Fertilizer management in rice	1	1	Off	July, 2025	1	1	-	-	23	-	24	1	25
INM in maize	1	1	Off	August, 2025	2	1	-	-	22	-	24	1	25
Micronutrient deficiency in rice	1	1	Off	Sept, 2025	3	-	-	-	21	1	24	1	25
Bio-fertilizer application in Vegetable	1	1	Off	Sept, 2025	1	-	-	-	23	1	24	1	25
Technique of soil sample collection & fertilizer management	1	1	Off	Oct, 2025	2	1	-	-	22	-	24	1	25
INM in brinjal	1	1	Off	Oct, 2025	-	-	-	-	23	2	23	2	25
INM in potato	1	1	Off	Nov, 2025	1	-	-	-	23	1	24	1	25
Nutrient management in groundnut	1	1	Off	Nov, 2025	-	-	-	-	23	2	23	2	25
Natural farming	1	1	Off	Dec, 2025	-	-	-	-	20	5	20	5	25
Method lime application in groundnut	1	1	Off	Dec, 2025	1	-	-	-	23	1	24	1	25
Management of acid soil	1	1	Off	Jan, 2025	-	-	-	-	20	5	20	5	25
Waste decomposer for decomposting paddy straw	1	1	Off	Jan, 2025	-	-	-	-	20	5	20	5	25
INM in greengram	1	1	Off	Feb, 2025	2	1	-	-	22	-	24	1	25
Plant protection													
IPM practices for control of disease in rice	1	1	Off	June, 2025	5	-	-	-	20	-	25	-	25
Management of hoppers in rice	1	1	Off	June, 2025	-	2	2	-	20	1	22	3	25
IPM on paddy pest	1	1	Off	July, 2025	-	2	-	-	22	1	22	3	25
IPM of sucking pest complex in papaya	1	1	Off	August, 2025	-	2	-	-	22	1	22	3	25
Management of sucking pest in okra	1	1	Off	August, 2025	4	-	-	-	20	1	24	1	25
IPM in maize FAW	1	1	Off	Sept, 2025	-	-	-	-	24	1	24	1	25
Major pest and disease of okra	1	1	Off	Sept, 2025	1	-	-	-	24	-	25	-	25
IPM of brinjal fruit & shoot borer in brinjal	1	1	Off	Oct, 2025	2	1	-	-	22	-	24	1	25
IDM of groundnut disease	1	1	Off	Nov, 2025	2	1	-	-	22	-	24	1	25
Management of sucking pest in brinjal	1	1	Off	Nov, 2025	-	2	-	-	22	1	22	3	25
Management of leaf feeder in cabbage	1	1	Off	Dec, 2025	1	-	-	-	24	-	25	-	25
IDM in bitter gourd	1	1	Off	Dec, 2025	2	1	-	-	22	-	24	1	25
IPM of white fly in green gram	1	1	Off	Jan, 2026	-	-	-	-	25	-	25	-	25
Management of white fly in cucurbit	1	1	Off	Feb, 2026	-	-	-	-	25	-	25	-	25

Horticulture													
Cultivation techniques of kharif onion	1	1	Off	June, 2025	-	2	-	-	22	1	22	3	25
Scientific mgt. practices of turmeric as intercrop	1	1	Off	June, 2025	3	1	-	-	18	3	21	4	25
Profitable papaya Cultivation techniques	1	1	Off	July, 2025	5	-	-	-	20	-	25	-	25
Improved cultivation techniques of Brinjal and Okra	1	1	Off	July, 2025	1	2	-	-	22	-	23	2	25
Integrated crop management in appleber	1	1	Off	August, 2025	-	2	2	-	20	1	22	3	25
Production techniques of marigold& Tube rose	1	1	Off	August, 2025	-	2	-	-	22	1	22	3	25
Cultivation techniques of potato	1	1	Off	Sept, 2025	-	-	-	-	24	1	24	1	25
Important medicinal plants and their uses	1	1	Off	Sept,2025	4	-	-	-	20	1	24	1	25
Cultivation techniques of cauliflower for increasing yield and quality	1	1	Off	Oct, 2025	1	2	1	1	20	-	22	3	25
Natural farming technology for tomato	1	1	Off	Oct, 2025	-	2		-	22	1	22	3	25
Improved management practices in capsicum	1	1	Off	Nov, 2025	3	1	-	-	18	3	21	4	25
Pointed gourd cultivation for higher income	1	1	Off	Feb, 2026	3	1	-	-	18	3	21	4	25
Cultivation techniques of summer tomato	1	1	Off	Feb, 2026	3	2	2	1	12	5	17	8	25
Importance of organic manures in vegetable cultivation	1	1	Off	March, 2026	4	-	-	-	20	1	24	1	25
Agril. Extension													
Formation and management of farmer producer organization	1	1	Off	June,2025	5	-	-	-	20	-	25	-	25
Organic farming and its role in sustainable development	1	1	Off	July, 2025	2	-	-	-	23	-	25	-	25
Climate resilient technology for sustainable development	1	1	Off	Aug, 2025	1	-	-	-	24	-	25	-	25
Management of SHGs	1	1	Off	Aug, 2025	-	3	-	-	-	22	-	25	25
Alternative livelihood options for resource poor farm family	1	1	Off	Sept, 2025	5	-	-	-	20	-	25	-	25
Role and importance of ITKs in agricultural development	1	1	Off	Sept, 2025	5	-	-	-	20	-	25	-	25
Role and importance of ICT in agricultural development	1	1	Off	Oct, 2025	3	-	-	-	22	-	25	-	25
Alternative livelihood options for resource poor farm family	1	1	Off	Oct, 2025	3	-	-	-	22	-	25	-	25
Role and importance of farm records in agricultural	1	1	Off	Nov, 2025	5	-	-	-	20	-	25	-	25

development													
Role and importance of ICT in agricultural development	1	1	Off	Nov, 2025	4	-	-	-	21	-	25	-	25
Role and importance of social media in agricultural development	1	1	Off	Dec, 2025	5	-	-	-	20	-	25	-	25
Income generation activities of SHGs	1	1	Off	Dec, 2025	-	3	-	-	-	22	-	25	25
Scientific cultivation of green gram	1	1	Off	Jan, 2026	3	-	-	-	22	-	25	-	25
Formation and management of farmer producer organization	1	1	Off	Feb, 2026	5	-	-	-	20	-	25	-	25

(b) Rural youths

Thematic area	**Title of Training**	**No.**	**Duration**	**Venue On/Off**	**Tentative Date**	**No. of Participants**								
						SC		**ST**		**Other**		**Total**		
						M	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**T**
I. Crop production														
ICM	Integrated Farming System for Livelihood security	1	3	On	Dec, 2025	3	-	-	-	12	-	15	-	15
ICM	Seed production for higher income	1	3	On	Feb, 2025	-	-	-	-	15	-	15	-	15
II. Soil Sc.														
ICM	Azolla production technique	1	3	On	Sept, 2025	3	2	-	-	8	2	11	4	15
Soil fertility management	Method of vermicomposting	1	3	On	Dec, 2025	1	1	-	-	13	-	14	1	15
III. Plant Protection														
IPM	Preparation of jibamruta and bijamruta	1	3	On	Sept, 2025	3	2	-	-	8	2	11	4	15
IPM	Beekeeping for enhancing rural income	1	3	On	Dec, 2025	2	2	-	-	5	6	7	8	15
IV. Horticulture														
Nursery raising	Improved method of seedling production technique	1	3	On	Sept, 2025	-	3	-	-	6	6	6	9	15
Cultivation of flower	Commercial flower cultivation especially Exotic flower	1	3	On	Dec, 2025	2	2	-	-	5	6	7	8	15
V. Agril. Extn.														
CBD	Entrepreneurship	1	3	On	Dec, 2025	2	-	-	-	13	-	15	-	15

	development													
CBD	Farming system approach	1	3	On	Feb.2026	2	-	-	-	13	-	15	-	15

(b) Extension functionaries

Thrust area/ Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
I. Crop production														
ICM	Natural farming for sustainable crop production	1	1	On	Nov,2025	-	4	-	-	-	11	-	15	15
ICM	Contingency planning for crop production under changing climate	1	1	On	Jan,2026	1	1	-	-	13	-	14	1	15
II. Soil Sc.														
Soil fertility management	Use of soil test kit (Mridaparikhyak)	1	1	On	Nov,2025	-	3	-	-	6	7	9	6	15
Soil fertility management	Management of problematic soil	1	1	On	Feb,2026	2	2	-	-	5	6	7	8	15
III. Plant Protection														
IPDM	Safe use of pesticide	1	1	On	Oct,2025	1	1	-	-	13	-	14	1	15
IPDM	Sustainable use of plant protection products	1	1	On	Dec, 2025	-	3	-	-	6	7	9	6	15
IV. Horticulture														
Natural Farming	Natural farming for horticultural crops	1	1	On	Nov,2025	-	3	-	-	6	6	6	9	15
Production technology	Protected Vegetable cultivation	1	1	On	Jan,2026	2	-	-	-	8	5	10	5	15
V. Agril. Extn.														
CBD	Market led extension	1	1	On	Nov, 2025	2	-	-	-	11	2	13	2	15
CBD	Climate smart agriculture	1	1	On	Jan, 2026	2	-	-	-	11	2	13	2	15

ON-FARM TESTING

Sl. No	Title of OFT	Code	Season	Problem	No. of Trial	Technology option	Observation parameter	Source of Tech.
CROP PRODUCTION								
1.	Assessment of different early duration rice varieties for upland rice ecosystem (NEW)	24OAG03(K)	Kharif, 2025	Identification of suitable short duration rice variety for -Rice-Groundnut-Vegetable cropping system	7	FP-Cultivation of Rice Var. Udayagiri TO1- Cultivation of Rice cv. -CR Dhan 808: TO2-Cultivation of Rice cv.-OUAT Kalinga Rice-5 (Nabanna)	Effective tillers/hill, grains/panicle, test weight, crop duration, yield, Economics	NRRI ,Cuttack ,2023 OUAT, 2022-23
2.	Assessment of non ragi millet crops for diversification of millet production system	24OAG07(K)	Kharif 2025-26	Non availability of suitable non ragi millet crop for diversification	7	FP-finger millet TO1- Little millet TO2-Pearl millet TO3 –Sorguhm TO4 –Foxtail millet	Plant density and yield of individual crops, ragi equivalent yields, economics.	IIHR 2023
HORTICULTURE								
3.	Assessment of off-season Tomato during summer season	24OHO01(S)	Summer 2025	Low yield from summer tomato var. Chiranjibi	7	FP- Cultivation of tomato var. Chiranjibi TO_1- Arka Abhed (high yielding F1hybrid , semi determinate, multiple disease resistance fruits are firm , 90-100g),suitable for summer, kharif,rabi 140-150 days,70-75 t/ha TO_2-ArkaRakshak (High yielding F1 hybrid with triple disease resistance , fruits 90-100g 75-80t/ha, suitable round the year)	No of fruit/plant , Wt. of each fruit (g), Yield (q/ha), B.C ratio	iihr.res.in 2023

4.	Assessment on INM packages for increasing yield of pointed gourd	24OHO04(R)	Rabi 2025-26	Low production from pointed grourd cultivation due to inadequate fertilizer management	7	FP: Application of 150:60:60 kg NPK/ha without bio fertilizer and micronutrient application TO_1- 150:60:60 kg NPK/ha + 50% Boron as basal+ 50% boron as foliar spray + FYM@ 10t/ha + consortia biofertilizer@ 12kg/ha. TO_2- 150:60:60 kg NPK/ha + 50% Boron as basal+ 50% boron as foliar spray + FYM@ 10t/ha + consortia bio fertilizer @ 12kg/ha + lime@ 0.2 LR	Number of Fruits/plant (no), Fruit length(cm), Fruit weight(g), Yield (q/ha)	All India Network project on biodiversity and biofertilizer(AINM, 2016)
5.	Assessment of climate resilient onion varieties	24OHO08(K)	Late Kharif 2025	Low profit from kharif onion cultivation	7	FP: Cultivation of onion var. N53 TO_1: BhimaShakti,suitable for late kharif season maturity 130 days, DAT. Yield 45.9t/ha, storage life 5-6 months TO_2: Bhima Light Red, suitable for late kharif ,bulb weight- 85g, maturity 105-110 days DAT, self-life 3 months. Yield 42.5 t/ha	Days to harvest, Bulb Diameter(cm), Bulb weight(g), yield(q/ha)	Source: DOGR, 2022
6.	Assessment of Marigold varieties for higher yield and quality	24OHO11(R)	Rabi 2025-26	Low yield and profit from marigold var. Seracole	7	FP: Cultivation of var. Serakole TO1-Variety ArkaBhanu- F1 hybrid, attractive, compact flower shape and golden yellow colour with a shelf life of 7-8 days, yield potential-10-11 t/acre TO2-Variety ArkaAbhi- F1 hybrid of African marigold, attractive radiant lemon yellow color, large flowers 7-8 cm, good shelf life 6-8 days, high yield 10-11 t/acre	Days to 1st flower bud appearance, Flowering Duration (days), Number of flowers / plant Loose flower yield (kg/plant)	IIHR, Bangalore, 2020
SOIL SCIENCE								
7.	Assessment of standardization of NPK dose in medium land rice	25OSS1(K)	Kharif 2025	Low yield of rice than the potential yield	7	F.P: Existing recommendation of N-P2O5-K2O@80:40:40 kg/ha. TO 1:Application of chemical fertilizer N-P2O5-K2O@80:40:60 kg/ha.+5 ton FYM/ha (AICRP on LTFE,OUAT-2019-20	Initial and After soil test value, Yield and Economics	AICRP on LTFE,OUAT 2019-20. RRTTS,OUAT,Bhubaneswar-2024

						TO2: Application of chemical fertilizer N-P2O5-K2O@100:50:50 kg/ha.+5 ton FYM/ha		
8.	Assessment of nutrient management practice in groundnut	24OSS03(R)	Rabi 2025-26	Low yield due to Boron (73%) and S (40%) deficiency.	7	FP- Application of RDF only. TO_1- Soil test dose+seed treatment with rhizobium@50g/kg seed +FYM@ 5t/ha + Boron@ 1kg/ha+ Sulphur@45kg/ha TO_2- Application of soil tes dose along with Lime 0.2 LR, FYM@ 5t/ha, seed inoculation with rhizobium+Boron@1kg/ha+Sulphur@45 kg/ha..	No of pods/plant, Plant height, Yield, B:C ratio .	TO_1- AICRP on Dry land Agriculture 2015. TO_2- Annual Report 2019, OUAT
PLANT PROTECTION								
9.	Assessment of Integrated management of sucking pest in okra (NEW)	23OPP21(K)	Kharif, 2025	Sucking pest like aphid, white fly and jassids incidence in okra reduces the yield to a great extent	7	FP : Spraying of Thiamethoxam 25WG @ 250 g/ha TO_1- Seed treatment with Imidacloprid 600 FS @ 5ml/kg of seed, Installation of Yellow Sticky trap @50/ha at 25 DAS, alternate spraying of Afidopyropen 5% DC @ 600 ml/ha and Neem oil 3000 PPM @ 1 l/ha starting from 30 DAS. TO_2- Seed treatment with Imidacloprid 600 FS @ 5ml/kg of seed, Installation of Yellow Sticky trap @50/ha, Alternate Spraying of Tolfenpyrad 15% EC @ 1000 ml/ha and Neem oil @ 1 l/ha starting from 30 DAS.	Mean population of Jassid/ 3 leaves, Mean population of Aphid/ 3 leaves, Mean population of Whitefly / 3 leaves, % of YVMV incidence	TO_1- GAU, Anand, 2022 TO_2- RVSKVV, GWALIOR, 2021
10.	Assessment of IPM modules against fruit fly infesting bitter gourd	23OPP10(K/R)	Rabi 2025-26	Low yield due to heavy fruit fly incidence	7	FP- Spraying of Chlor +Cyper @1 lit/ha TO_1- Soil application of chlorpyriphos 1.5 % dust in the inter spaces @ 25 kg/ ha at 30 DAG + Placement and spot application of Jaggery (100g), cartap hydrochloride (2 g) & water	fruit fly incidence %, Vine growth, no of infested fruits /plant , fly /trap Spread-&	TO_1- RRTTS, RANITAL-2018 TO_2- RRTTS, Bhubaneswar-2023

						(1 liter) poison bait + Installation of cuelure @ 20/ha + Periodic removal and destructions of damaged fruits. TO_2- Food bait @ (20 baits/ ha, 100ml/ bait) (Mixture of 1kg cucumber fruit pulp +50g Gur + 100mlcow urine +0.5 lit water and kept for over night, diluted in 5 lit water and added 10 ml malathion) + Pheromone trap with Cue- lure @25 traps / ha installed at 20 DAS (Change of lure at 20 days interval) + foliar spray with Spinosad 45SC @ 20 ml/ ha at 30, 45, 60 and 75 DAS.	Intensity-1500ha (2500ha) 65%	
AGRIL.EXTENSION								
11. .	Assessment of Adoption of Rice fallow management programmes	24OEE01(R)	Rabi 2025-2026	Poor adoption of govt. programmes in rice fallow management	90	FP - Farmers keeping areas fallow after rice cultivation T O_1 -Farmers cultivating pulses in rice fallow areas under any govt. (line dept./KVK) assistance/programme T O_2 -Farmers discontinue after withdrawal of govt. assistance	Adoption index Causes of rejection Extension approach adopted at different stages (A-I-E-T-A-C)	
12.	Assessment of effectiveness of social media for dissemination of agriculture information among farmers **(NEW)**	25OEE10(Y)	Rabi 2025-2026	Poor accessibility and Understanding of Information	90	FP: Farmers access information from mass media TO1: Farmers access information through whatsapp TO2: Farmers access information through YouTube	Timely availability Suitability of technology Understanding/ clarity of the message Change in Knowledge and attitude	

FRONTLINE DEMONSTRATION

Sl. No.	Title of FLD	Code	Season	Problem	No. of Demo	Farmers practice	Details of Technology	Observation parameter	Source of tech.
CROP PRODUCTION									
1.	Demonstration on Integrated Nutrient Management in scented rice	24FAG06(K)	Kharif 2025	Low yield due to poor nutrient management	13	Low dose of NPK and FYM- 1 t/ha no use of micronutrient and Bio fertiliser	Recommended dose of fertilizer (60-30-30 kg NPK/ha + FYM 5 t/ha + Zn 5kg/ha+ S 20kg/ha + Azospirilum 5kg/ha + PSM 5kg/ha)	EBT/m2, panicle/length, No of granule/panicle Test wt., yield, B:C: ratio	RRTTS, Bahawanipatna OUAT 2015
2.	Demonstration of Chemical weed management in transplanted rice	24FAG09(K)	Kharif 2025	Low yield due to heave weed infestation and unavailability of casual labours	13	Manual weeding at 30 DAT	Pre emergence application of Pretilachlor 50 EC @ 1500 ml/ha, fb Penoxulam 1.02 % + Cyhalofop butyl 5.1 % OD @ 2250 ml/ha @ 25 DAT	EBT/m2, panicle/length, No of granule/panicle Test wt., yield, B:C: ratio	OUAT Annual Report 2020-21
3.	Demonstration on weed management in Groundnut	24FAG24 (R)	Rabi 2025-26	Low yield due to heavy weed infestation and more cost of production	13	Hand weeding 20 DAS	Application of pre-emergence herbicide Oxyflourfen @0.05 a.i kg/ha at 0-3 DAS *fb* post emergence herbicide Imazethapyr 0.12 a.i kg/ha at 20 DAS	No of branches/plant, No of pods/plant, yield, B:C ratio	RRTTS, 2011
4.	Demonstration retting of jute fibre	23FAG38(K/R)	Rabi 2025-26	Jute retting time is more than 15 days. Improper retting gives low quality of extracted Jute fibre	13	Retting of Jute fibre through traditional method. Keeping Jute bundles in stagnant water under	Retting of jute fibre through use of CRIJAF sona @30 kg/ha by sprinkling over jute bundles and then manual stripping	Quality fiber recovery %, reduction in retting duration	OUAT, Annual report, 2016

						submerged condition and manual method of stripping			
HORTICULTURE									
5.	Demonstration on natural farming technology for tomato	24FHO01(R)	Rabi 2025-26	Lack of natural farming package of practices for remunerative tomato cultivation	13	FP- Cultivation of tomato var. Priya with 120:80:50kg N:P:K per ha	RP-Cultivation of tomato with marigold as intercrop in the ratio of 1:5, maize as barrier crop. Straw mulching and irrigation in alternate channel. Application of Jibamruta (500 lit/ha) thrice at 15 days interval. Foliar spray of Nimastra(200l/ha)twice at 15 days interval	No of weeds/m^2 ,No. of fruits/plant, Wt. of the fruit (gm), Yield(q/ha), B:C ratio	RRTTS, Ranital 2022-2023
6.	Demonstration on crop management in Apple Ber **(NEW)**	25FHO08 (K)	Kharif 2025	Low production from appleber cultivation	13	Application of 30kg FYM 250 gm Nitrogen 200gm Phosphorus and 250gm potassium/plant without pruning and micronutrient application	Pruning at a height of 30cm from ground level with application of 50 kg FYM,500g N, 200 g P 500 g K /plant. Manuring should be done immediately after pruning. Spray 2% KNO3 thrice at monthly intervals in January, February and March.	Yield kg/plant, Fruit weight , Number of Fruits/plant, yield(q/ha). B: C ratio	TNAU Technical Bulletin ICAR CAZRI, Jodhpur

7.	Demonstration of Okra variety Kashi Chaman	24FHO08(K/R)	Rabi 2025-26	Low profit from Okra cultivation variety (Mahyco-10)	13	Cultivation of Okra var. (Mahyco-10)	RP-Demonstration of Okra variety KashiChaman Medium tall plants, dark green fruits 11-14 cm long, First flowering on 41 days after sowing, resistant to YVMV and OLECV, yield 150 - 160 q/ha in 45 to 100 days	Fruit length(cm), Fruit wt., No of Fruits/plant, Yield(q/ha), B:C ratio	ICAR-IIVR, Varanasi 2019
8.	Demonstration on turmeric as intercrop in mango orchard	24FHO22 (K)	Kharif 2025	Unutilization of interspace in mango orchard , Lesss profit from mono cropping	13	Mango Orchard without any intercropping	RP-Var. Roma, seeding rhizome @ 1500kg/ha spacing 60 x 30 cm, fertilizer dose 120:60:60 kg N:P:K per ha., Mango spacing 7mx7m, average yield of turmeric as intercrop 10-15tonnes/ha	No of fingers/plant, Fresh wt. of Rhizome plant(g), Yield q/ha, Economics	CHES Bhubaneswar 2016
9.	Demonstration on Polythene mulching in chilli for higher yield and profitability	24FHO13 (R)	Rabi 2025-26	Low yield from chilli cultivation due to irregular water management and weed infestation	13	FP-Cultivation of chilli var. Utkal Ava without mulching with RDF 150-60-90 kg NPK/ha.	RP-Application of 30 micron plastic mulch at the time of transplanting in ridge and furrow system along with RDF 150-60-90 kg NPK/ha.	No of weeds/ m^2, No of fruits/plant, fruit yield/plant(g), Yield(q/ha), B:C ratio	PFDC,OUAT, Bhubaneswar 2017-18
10.	Demonstration on high yielding IVY gourd variety	23FHO07 (K/R)	Rabi 2025-	Low yield due to use of	13	Local variety Mainshia kunduri	Arka Nilachal Kunkhi is a dual purpose variety with	No. of fruits/plant, individual fruit	CHES Bhubaneswar,2005

	Arka Nilachal kunkhi		26	local variety			fruit weight of 23-25 gm. Each plant bears 800-850 fruit with yield potential of 18-20 kg per vine. Moderately tolerant to Anthracnose, downy mildew and fusarium wilt.	wt. fruit yield/plant	
SOIL SCIENCE									
11.	Demonstration on integrated nutrient management in rice **(NEW)**	25FSS1(K)	Kharif 2025	Low yield due injudicious use of fertilizer & low organic matter content	13	Application of N-P2O5-K2O@30:20: 0 kg/ha	Application of (50%N+100%PK) as per soil test + dhaincha green manuring	Initial and after soil test value, No of grains/panicle, No of tillers,Yield(q/ha) ,Net income(Rs/ha),B: C Ratio	AICRP on LTFE, Kerala,2021
12.	Demonstration of Boron and Zinc management in maize	24FSS03(K)	Kharif 2025	Poor plant growth and low cob weight due to low dose of fertilizer	13	Lower dose of chemical fertilizer 70:30:30 NPK kg/ha	Application of N:P:K:B:Zn @ 150:75:60:1:5 kg/ ha + Lime 0.1 LR + FYM @ 5 t ha	Plant height, cob length and weight, Grain wt.	RRTSS, Bhawanipatna, OUAT, 2017-18
13.	Demonstration on application of OUAT consortia in cauliflower	24FSS12(R)	Rabi 2025-26	Low yield due to imbalanced dose of fertilizer	13	Low yield due to imbalance use of manure and fertilizer	RP: STBF + inoculation of OUAT consortia bio-fertilizers to pre-limed(5%) 300 kg FYM/vermicompost (1:25)incubated for 7 days at 30% moisture and applied in the rhizosphere on the day of planting at 30% moisture and applied in the rhizosphere on the day of planting.	No. of fruits /plant, Fruit wt (g),Plant height.	AINP on soil bio density Biofertilizer-2018-2019,OUAT, BBSR

14.	Demonstration on nutrient management in greengram **(NEW)**	25FSS4(R)	Rabi 2025-26	Poor branching and low pod setting	13	Application of recommended dose of fertilizer only	RP : STBF+ FYM 2t/ha + Rhizobium + ammonium molybdate@10g/25 kg seed followed by rhizospheric application of 4 kg PSM/ha mixed with FYM + lime 0.2 LR	No of pods/plant, No of grains/pod,1000 grain weight(g),Yield, Economics, Nutrient status, B:C Ratio	AINP on Soil Biodiversity-Biofertilizers 2016-17
PLANT PROTECTION									
15.	Demonstration on management of major diseases of rice with non-chemical approach using bio-formulations	24FPP07(K)	Kharif 2025	Excess use of chemicals leads to increase environmental pollution and loss in biodiversity	13	Spraying of fungicides to control disease in rice	Seed treatment with Beejamrit @ 10% in water by soaking overnight before sowing + soil amendment with Jeevamrit @ 100 l/ac before transplanting + spraying with Jeevamrit @ 10 % solution in water twice at 15 days interval starting from disease initiation	PDI (%), Cost of Intervention, Yield, ICBR and farmers' feedback	RRTTS, Ranital, OUAT, 2019
16.	Demonstration on integrated management of red spider mite and other sucking pests in Brinjal **(NEW)**	25FPP10 (K/R)	Kharif 2025	Severe sucking pest incidence	13	Foliar spray with Imidachloprid 17.8 SL @ 300ml/ ha	Installation of Yellow sticky traps @ 50 nos./ha at 30 DAT, alternate spraying of Diafenthiuron 50 WP @ 300g/ha and (Spirotetramat 11.01% + Imidachloprid 11.01% SC) @ 500 ml/ha at 10 days interval starting from 40 DAT	No. of infested plants/m 2 (%), Cost of intervention, Yield, ICBR and farmers' feedback	**Source : IIHR, 2020**
17.	Demonstration on IPM strategies against tobacco caterpillar in Groundnut	24FPP13(R)	Rabi 2025-26	Heavy incidence of tobacco caterpillar in ground nut	13	Application of Chloro + Cyper @2ml/lit	Installation of Pheromone traps @ 5 nos./ha for monitoring the pest + Fixation of bird perches @ 30	No. of infested plants/m 2 (%), Cost of intervention, Yield, ICBR and	RRTTS, Ranital, 2020

				reduced yield			nos./ha for avian predation + sunflower as barrier trap crop + placement of poison baits (10 kg rice bran + 1 kg jaggery + 250 ml Lambda cyahalothrin) at 30 DAS + need based foliar application of (Indoxacarb 5.25% + Novaluron 4.5% SC) @ 750 ml/ha in the evening hours based on ETL	farmers' feedback	
18.	Demonstration on comb honey production technology in Asian Bee	24FPP31(R)	Rabi 2025-26	Low yield due to improper bee rearing	13	Rearing of Honey bee in wooden frame	Selection of ample bee foraging plants and identifying the honey flow season in a particular area for comb honey production, maintenance of young prolific queen with populous colony in a hive with ISI specification particularly w.r.t bee space, training and stimulating the bees to construct new natural combs, fixing new comb in comb honey production frame and fixing it with wooden or plastic ISI specified frame size (208 X 65 X 23 mm), collection of comb honey frames when sealed cent per cent in super chamber. Removal of comb honey from wooden or plastic frames with no damage to combs	Kg honey/box/annum, ICBR and farmers' feedback	AICRP on HB & P, OUAT, 2023

AGRIL. EXTENSION									
19.	Demonstration of usefulness of crop/livestock calendar for improving the technical knowledge of farmers and application of technology	24FEE02(Y)	Rabi 2025-26	Lack of technical print literature as per farmers need	30	FP: Existing agricultural technical print material	RP: Supply of agricultural calendar for improving groundnut production through technical knowledge of farmers	Applicability of calendar, Accessibility of calendar , Knowledge level, change in income	
20.	Mushroom cultivation as viable enterprise for livelihood generation of rural women **(NEW)**	25FEE02(Y)	Rabi 2025-26	Low income of farm women from crop cultivation	30	Farm women training will be provided on mushroom cultivation, post harvest management, value addition and marketing on individual basis	Providing Farmwomen training on mushroom cultivation, post harvest management, value addition and marketing in group approach(SHG)	Volume of sell per month(kg), Income per month, adoption of technology,	

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	Kalachampa	July to Dec 2025	6 ha	FS	240	4,80,000/-	7,68,000/-	2,88,000/-
Brinjal	JK-80-31, Tarini	July, 2025 to March 2026	0.26	Planting material	10,000	4700/-	10000/-	5300/-
Chilli	Daiya, Siamhot	July, 2025 to March 2026	0.3	Planting material	5,000	1500/-	5000/-	3500/-
Papaya	Vinayak, Pearl swapna**,** Red lady	July, 2025 to March 2026	2.0	Planting material	2,000	16,000/-	50,000/-	34,000/-
Tomato	ArkaRakshak, ArkaAbhed, Arka Samrat	Sept, 2025 to March 2026	0.6	Planting material	18000	8500/-	15000/-	6500/-
Onion	Agri. found light red (AFLR), N-53, Bhima Sakti, Bhima Light red	Sept, 2025 to March 2026	0.8	Planting material	1,50,000	10000/-	22,500/-	12,500/-
Cauliflower	White contesa, Payal	Sept, 2025 to Dec, 2026	0.13	Planting material	5000	2000/-	5000/-	3000/-
Cabbage	Pusa drum head, Lucky ball	Sept, 2025 to Dec, 2026	0.13	Planting material	5000	2000/-	5000/-	3000/-
Capsicum	Ayesha, Nandini	Sept, 2025 to Dec, 2026	0.13	Planting material	1000	600/-	2000/-	1400/-
Brocolli	KT-Sel-1, Known-you F_1 Hybrid	Sept, 2025 to Dec, 2026	0.13	Planting material	1000	600/-	2000/-	1400/-
Drumstick	ODC-3 , PKM-1	July 2025 to March 2026	5	Planting material	1000	1000/-	4000/-	3000/-
Vermicompost	E. foetida	Round the year			30 q.	15,000/-	45,000/-	30,000/-
Vermi worm	E. foetida				10 kg	1000/-	5000/-	4000/-
Mushroom	P. sajorcaju				200 kg	10000/-	16000/-	6000/-
Poultry	Kadaknath and Chhabro				2000 nos.	100000/-	130000/-	30000/-
Honey	Apiscerenaindica				10 kg	10000/-	12000/-	2000/-
Fish fingerling	IMC				500 kg (5000 no.)	10000/-	40000/-	30000/-

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	15	324	43	367		5	3	8	329	46	375
2.	KisanMela	2	200	75	275		12	5	17	212	80	292
3.	KisanGhosthi	5	120	25	145		6	2	8	126	27	153
4.	Exhibition	5	326	25	351		138	11	149	464	36	500
5.	Film Show	48	555	32	587		10	3	13	565	35	600
6.	Method Demonstrations	15	310	20	330		20	3	23	330	23	360
7.	Farmers Seminar	5	85	5	90		8	2	10	93	7	100
8.	Workshop	5	95	5	100		-	-	-	95	5	100
9.	Group meetings	25	378	122	500		-	-	-	378	122	500
10.	Lectures delivered as resource persons	25	876	125	1001		27	5	32	903	130	1060
11.	Scientific visit to farmers field	350	290	30	320		-	-	-	290	30	320
12.	Farmers visit to KVK	630	510	120	630		-	-	-	510	120	630
13.	Diagnostic visits	52	956	234	1190		128	78	206	1084	312	1396
14.	Exposure visits	4	62	32	94		8	5	13	70	37	107
15.	Ex-trainees Sammelan	1	20	25	45		3	2	5	50	25	75
16.	Soil health Camp	2	96	42	138		8	4	12	104	46	150
17.	Animal Health Camp	2	50	60	110		6	4	10	106	94	200
18.	Agri mobile clinic	-	-	-	-	-	-	-	-	-	-	-
19.	Soil test campaigns	2	68	21	89		8	3	11	76	24	100
20.	Self Help Group Conveners meetings	2	108	22	130		15	5	20	123	27	150
21.	Celebration of important days (specify)	-	-	-	-	-	-	-	-	-	-	-
a.	Swatchta Hi Sewa	10	175	27	202		4	1	5	179	28	207
b.	MahilaKisanDiwas	1	-	25	25	-	-	-	-	-	25	25
c.	World Soil Day	1	20	25	45		3	2	5	50	25	75
d.	World Food Day	1	24	12	36	-	2	2	5	26	14	40

Sr. Scientist & Head
KVK, Jajpur
Dt. 30.06.2025