ANNUAL ACTION PLAN

2026-2027

KRISHI VIGYAN KENDRA
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 2026 to March 2027)

(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, 2026	2	-	-	-	23	-	25	-	25
Nursery management for quality rice seedling production	1	1	Off	July, 2026	1	-	-	-	24	-	25	-	25
INM in rice	1	1	Off	July, 2026	1	-	-	-	24	-	25	-	25
IWM in maize	1	1	Off	Aug, 2026	-	-	-	-	25	-	25	-	25
Improved cultivation practice of millet crops (Sorghum & Pearl millet)	1	1	Off	Aug, 2026	-	-	-	-	25	-	25	-	25
Improved cultivation practice of millets (Finger millet & Little millet)	1	1	Off	Sept, 2026	-	-	-	-	25	-	25	-	25
Integrated Farming system for livelihood security	1	1	Off	Sept, 2026	-	-	-	-	25	-	25	-	25
Improved jute harvesting and retting for quality fiber production	1	1	Off	Oct, 2026	-	-	-	-	25	-	25	-	25
Cultivation of stress tolerant rice varieties to mitigate climate change	1	1	Off	Oct, 2026	1	-	-	-	24	-	25	-	25
INM in groundnut	1	1	Off	Nov, 2026	1	-	-	-	24	-	25	-	25
Integrated Nutrient Management in sugarcane	1	1	Off	Nov, 2026	-	2	-	-	22	1	22	3	25
Intercropping for higher yield and sustainability	1	1	Off	Dec, 2026	-	-	-	-	25	-	25	-	25
IWM in sugarcane	1	1	Off	Dec, 2026	2	1	-	-	22	-	24	1	25
Integrated weed management in groundnut	1	1	Off	Jan, 2027	3	1	-	-	21	-	24	1	25
Soil Science													
Technique of soil sample collection & fertilizer management	1	1	Off	June, 2026	2	1	-	-	22	-	24	1	25
Fertilizer management in	1	1	Off	July, 2026	1	1	-	-	23	-	24	1	25

rice													
INM in maize	1	1	Off	August, 2026	2	1	-	-	22	-	24	1	25
Micronutrient deficiency in rice	1	1	Off	Sept, 2026	3	-	-	-	21	1	24	1	25
Bio-fertilizer application in Vegetable	1	1	Off	Sept, 2026	1	-	-	-	23	1	24	1	25
Technique of soil sample collection & fertilizer management	1	1	Off	Oct, 2026	2	1	-	-	22	-	24	1	25
INM in brinjal	1	1	Off	Oct, 2026	-	-	-	-	23	2	23	2	25
INM in potato	1	1	Off	Nov, 2026	1	-	-	-	23	1	24	1	25
Nutrient management in groundnut	1	1	Off	Nov, 2026	-	-	-	-	23	2	23	2	25
Natural farming	1	1	Off	Dec, 2026	-	-	-	-	20	5	20	5	25
Method lime application in groundnut	1	1	Off	Dec, 2026	1	-	-	-	23	1	24	1	25
Management of acid soil	1	1	Off	Jan, 2027	-	-	-	-	20	5	20	5	25
Waste decomposer for decomposting paddy straw	1	1	Off	Jan, 2027	-	-	-	-	20	5	20	5	25
INM in greengram	1	1	Off	Feb, 2027	2	1	-	-	22	-	24	1	25
Plant Protection													
IPM practices for rice pest	1	1	Off	June, 2026	5	-	-	-	20	-	25	-	25
Management of sucking pest nin rice	1	1	Off	June, 2026	-	2	2	-	20	1	22	3	25
IPM on paddy pest	1	1	Off	July, 2026	-	2	-	-	22	1	22	3	25
IPM of sucking pest complex in papaya	1	1	Off	August, 2026	-	2	-	-	22	1	22	3	25
Management of sucking pest in okra	1	1	Off	August, 2026	4	-	-	-	20	1	24	1	25
IPM in maize FAW	1	1	Off	Sept, 2026	-	-	-	-	24	1	24	1	25
Major pest and disease of okra	1	1	Off	Sept, 2026	1	-	-	-	24	-	25	-	25
IPM of brinjal fruit & shoot borer in brinjal	1	1	Off	Oct, 2026	2	1	-	-	22	-	24	1	25
IDM of groundnut disease	1	1	Off	Nov, 2026	2	1	-	-	22	-	24	1	25
Management of sucking pest in brinjal	1	1	Off	Nov, 2026	-	2	-	-	22	1	22	3	25
Management of leaf feeder in cabbage	1	1	Off	Dec, 2026	1	-	-	-	24	-	25	-	25
IPM in bitter gourd (fruit fly)	1	1	Off	Dec, 2026	2	1	-	-	22	-	24	1	25
IPM of white fly in green gram	1	1	Off	Jan, 2027	-	-	-	-	25	-	25	-	25
Management of white fly in cucurbits	1	1	Off	Feb, 2027	-	-	-	-	25	-	25	-	25
Horticulture													

Cultivation techniques of kharif onion	1	1	Off	June, 2026	-	2	-	-	22	1	22	3	25
Scientific mgt. practices of turmeric as intercrop	1	1	Off	June, 2026	3	1	-	-	18	3	21	4	25
Profitable papaya Cultivation techniques	1	1	Off	July, 2026	5	-	-	-	20	-	25	-	25
Improved cultivation techniques of Brinjal and Okra	1	1	Off	July, 2026	1	2	-	-	22	-	23	2	25
Integrated crop management in appleber	1	1	Off	August, 2026	-	2	2	-	20	1	22	3	25
Production techniques of marigold& Tube rose	1	1	Off	August, 2026	-	2	-	-	22	1	22	3	25
Cultivation techniques of potato	1	1	Off	Sept, 2026	-	-	-	-	24	1	24	1	25
Important medicinal plants and their uses	1	1	Off	Sept, 2026	4	-	-	-	20	1	24	1	25
Cultivation techniques of strawberry for increasing yield and quality	1	1	Off	Oct, 2026	1	2	1	1	20	-	22	3	25
Natural farming technology for tomato	1	1	Off	Oct, 2026	-	2		-	22	1	22	3	25
Improved management practices in capsicum	1	1	Off	Nov, 2026	3	1	-	-	18	3	21	4	25
Pointed gourd cultivation for higher income	1	1	Off	Feb, 2027	3	1	-	-	18	3	21	4	25
Cultivation techniques of summer tomato	1	1	Off	Feb, 2027	3	2	2	1	12	5	17	8	25
Importance of organic manures in vegetable cultivation	1	1	Off	March, 2027	4	-	-	-	20	1	24	1	25
Agril. Extension													
Formation and management of farmer producer organization	1	1	Off	June, 2026	5	-	-	-	20	-	25	-	25
Organic farming and its role in sustainable development	1	1	Off	July, 2026	2	-	-	-	23	-	25	-	25
Climate resilient technology for sustainable development	1	1	Off	July, 2026	1	-	-	-	24	-	25	-	25
Income generation activities of SHGs	1	1	Off	Aug, 2026	-	3	-	-	-	22	-	25	25
Alternative livelihood options for resource poor farm family	1	1	Off	Aug, 2026	5	-	-	-	20	-	25	-	25
Role and importance of ITKs in agricultural development	1	1	Off	Sept, 2026	5	-	-	-	20	-	25	-	25
Role and importance of ICT in agricultural	1	1	Off	Sept, 2026	3	-	-	-	22	-	25	-	25

development													
Alternative livelihood options for resource poor farm family	1	1	Off	Oct, 2026	3	-	-	-	22	-	25	-	25
Role and importance of social media in agricultural development	1	1	Off	Oct, 2026	5	-	-	-	20	-	25	-	25
Role and importance of ICT in agricultural development	1	1	Off	Nov, 2026	4	-	-	-	21	-	25	-	25
Role and importance of farm records in agricultural development	1	1	Off	Nov, 2026	5	-	-	-	20	-	25	-	25
Role and importance of ITKs in agricultural development	1	1	Off	Dec, 2026	-	3	-	-	-	22	-	25	25
Management of SHGs	1	1	Off	Dec, 2026	3	-	-	-	22	-	25	-	25
Formation and management of farmer producer organization	1	1	Off	Jan, 2027	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	Sept., 2026	3	-	-	-	12	-	15	-	15
ICM	Seed production for higher income	1	3	On	Jan, 2027	-	-	-	-	15	-	15	-	15
II. Soil Sc.														
ICM	Azolla production technique	1	3	On	Sept, 2026	3	2	-	-	8	2	11	4	15
Soil fertility management	Method of vermicomposting	1	3	On	Dec, 2026	1	1	-	-	13	-	14	1	15
III. Plant Protection														
IPM	Preparation of jibamruta and bijamruta	1	3	On	Sept, 2026	3	2	-	-	8	2	11	4	15
IPM	Beekeeping for enhancing rural income	1	3	On	Dec, 2026	2	2	-	-	5	6	7	8	15
IV. Horticulture														
Nursery raising	Improved method of seedling production technique	1	3	On	Sept, 2026	-	3	-	-	6	6	6	9	15

Cultivation of flower	Commercial flower cultivation especially Exotic flower	1	3	On	Dec, 2026	2	2	-	-	5	6	7	8	15
V. Agril. Extn.														
CBD	Entrepreneurship development	1	3	On	Sept., 2026	2	-	-	-	13	-	15	-	15
CBD	Farming system approach	1	3	On	Jan, 2027	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, 2026	-	4	-	-	-	11	-	15	15
ICM	Contingency planning for crop production under changing climate	1	1	On	Jan,2027	1	1	-	-	13	-	14	1	15
II. Soil Sc.														
Soil fertility management	Use of soil test kit (Mridaparikhyak)	1	1	On	Nov, 2026	-	3	-	-	6	7	9	6	15
Soil fertility management	Management of problematic soil	1	1	On	Feb,2027	2	2	-	-	5	6	7	8	15
III. Plant Protection														
IPDM	Safe use of pesticide	1	1	On	Oct, 2026	1	1	-	-	13	-	14	1	15
IPDM	Sustainable use of plant protection products	1	1	On	Dec, 2026	-	3	-	-	6	7	9	6	15
IV. Horticulture														
Natural Farming	Natural farming for horticultural crops	1	1	On	Nov,2026	-	3	-	-	6	6	6	9	15
Production technology	Protected Vegetable cultivation	1	1	On	Jan,2027	2	-	-	-	8	5	10	5	15
V. Agril. Extn.														
CBD	Market led extension	1	1	On	Nov, 2026	2	-	-	-	11	2	13	2	15
CBD	Climate smart agriculture	1	1	On	Jan, 2027	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 crops for rice fallow management	**25OAG4(K/R)**	Rabi, 2026	Identification of suitable crop suitable for Rice fallow management	7	**FP-** Cultivation of Rice var. Kalachampa -fallow **TO1-** Cultivation of Rice var.Kalachampa –Greengram **TO2-** Cultivation of Rice var.Kalachampa -Sesamum **TO3-** Cultivation of Rice var.Kalachampa –Blackgram (T9)	Effective branches/plant grains/, test weight, crop duration, yield,Rice equivalent yield,Economics	OUAT,2022-23
2.	Assessment of high yielding groundnut varieties in rice-based cropping system **(NEW)**	**26OAG02(R)**	Kharif, 2026	Identification of suitable high yielding groundnut variety for rice-groundnut cropping system	7	**FP-**Rice-Groundnut (Var-K 66) **TO1-** Rice-Groundnut (Var-K Lepakshi)) **TO2-** Rice-Groundnut (Var-Dhara)	Plant density and yield of individual crops, ragi equivalent yields, economics.	OUAT -2022-23
HORTICULTURE								
3.	Assessment of Stress tolerant grafted Brinjal varieties **(NEW)**	**26OHO01(K/R)**	Kharif, 2026	Yield loss due to biotic and abiotic stress	7	**FP-** Cultivation of Brinjal var. JK-80-31 **TO1-** Arka Shyamala (Rootstock Solanum torvum) - vigorous growth, high resistance to bacterial wilt and verticillium wilt , tolerance to water logging and salt stress and yield of 500-600 qtl/ha Source:ICAR-IIHR,2021	Plant height (cm), No.of branches/plant, No.of fruits/ plant, PDI (%) , Yield & economics	ICAR-IIHR,2021

						TO2- Rootstock -Utkal Anushree VNR-212/Akshita - resistance to bacterial wilt, tolerance to moisture stress, No of branches 9.2, yield of 625-750 qtl/ha Source-(AICRP on Vegetable crops,2024)		AICRP on Vegetable crops,2024
4.	Assessment of Dolichos Bean for higher income **(NEW)**	**26OHO03(K/R)**	Kharif, 2026	Low income from local Dolichus bean var. Godisimba	7	**FP :** local variety of dolichous bean that are photosensitive **TO1 :**Arka Krishna pole type, photo insentive early flowering yield upto 300q/ha in 120 days with pods borne in cluster **TO2:** OUAT Kalinga dolichos bean-1 (Jaya Krushna) high yielding, suitable for klharif and Post-kharif season, First picking at 100-117 days yield around 102.67 q/ha, tolerant to pod borer and moderately resistant to leaf spot.	Days to first harvest no of fruits/plant, yield q/ha, B :C ratio Fruit wt.,Fruit length diameter, No of Fruits/bunch	IIHR portal 2026 AICRP on Vegetable crops, OUAT, 2022
5.	Assessment of French marigold varieties **(NEW)**	**26OHO09(K/R)**	Rabi, 2026-2027	Less production from local marigold var. Kelikusuma	7	**FP-** Cultivation of marigold var. Kelikusuma **TO1-**Arka Pari- Dwarf plants with spreading habits flowering 25-30 after planting and continue for another 30-45 days. Flower small 500-600 flowers per plant and potential yield 4.2 to4.8t/acre can be cultivated through out year. Orange in colour	Days to 1st flower bud appearance, Flowering Duration (days), loose flower yield(kg/plant) Yield/ha, Economics, Flower wt., No. of flowers/plant	ICAR-IIHR, 2019 & IARI, 2020

						TO2-Arka Madhu-Dwarf plants with spreading habits flowering 30-35 days after planting and continue for another 30-45 days. Flower small 200-250 flowers per plant and potential yield 5ton/acre can be cultivated through out year. Orange colour with center with dark red		
6.	Assessment of different mulching on growth & yield of Strawberry **(NEW)**	**24OHO01 (S)**	Rabi- 2026-2027	Poor size and soury fruits	7	**FP-** No mulching **TO1-** Transparent polythene mulch **TO2-** Black polythene mulch **TO3-** Paddy straw mulching	No of fruits/plant, Fruit wt., Fruit size, TSS%, Yield/ha, B:C ratio	**Visvabharati, Santiniketan, WB 2014**
SOIL SCIENCE								
7.	Assessment of standardization of NPK dose in medium land rice	**25OSS01(K)**	Kharif 2026	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 **TO2:** Application of chemical fertilizer N-P2O5-K2O@100:50:50 kg/ha.+5 ton FYM/ha	Initial and After soil test value, Yield and Economics	AICRP on LTFE,OUAT 2019-20. RRTTS,OUAT ,Bhubaneswar-2024
8.	Assessment of nutrient management practice in	**24OSS03(R)**	Rabi 2026-27	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	No of pods/plant, Plant height,	TO_1- AICRP on Dry land Agriculture 2015.

	groundnut					+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..	Yield, B:C ratio .	TO_2- Annual Report 2019, OUAT
9.	Assessment of nano urea liquid fertilizer in rice **(EXTRA)**		Kharif 2026	Opportunity for application convenience, cost reduction and minimization of soil acidity development associated with soil application of urea	7	**FP-** Soil application 100 % RDN (25% basal + 50% tillering + 25% PI stage) **TO_1-**Soil application of 50 % RDN (25% RDN basal + 25% RDN tillering)+ 2 sprays Nano urea 16 % @1250ml/ha per spray at tillering and PI stage **TO_2-** Soil application of 75 % RDN (25% RDN basal + 50% RDN tillering) + 2 sprays Nano urea 16 % @1250ml/ha per spray at tillering and PI stage	Plant height, No. of tillers/m2, no. of effective tillers/m2, grains/panicle, 1000 grain weight (g), grain yield, BC ratio, cost saving on N	
PLANT PROTECTION								
10.	Assessment of management technologies against sheath rot disease in Rice **(NEW)**	**26OPP01(K)**	Kharif, 2026	Heavy incidence of sheath blight reduces yield	7	**FP –** Spraying of validamycin@2ml/ltr twice **TO_1-** Two foliar sprayings with (Kresoxim methyl 40% + Hexaconazole 8.0% WG @ 500g/ha at 15 days intervals starting from panicle initiation (PI) stage **TO_2-** Two foliar sprayings with (Azoxystrobin 11% + Tebuconazole 18.3%SC @ 750 ml/ha at 15 days intervals starting from panicle initiation (PI) stage	Disease Incidence (%), Yield (q/ha), B:C ratio	RRTTS, Chipilima, SLREC proceedings ARS, Utukur, AP.2023-2024
11.	Assessment of management	**26OPP04(R)**	Rabi 2026-27	Poor crop growth, heavy disease incidence	7	**FP-**Spraying of Thiomethxam @25gm/ha **TO_1-** Foliar spray with Pymetrozin 50WG @ 150g/ha	No. of Aphids/5cm twig. Disease	TO_1- OUAT, AR, 2025-2026 TO_2- ICAR-

	practices for managing leaf roll virus of potato					on the appearance of aphid followed by Diafenthiuron 50WP @250g/ha after 14 days of first spray **TO_2-** Foliar spray with Flonicamid 50WG @ 150g/ha on the appearance of aphid followed by Afrdopyrifn 5DC @ 1000 g/ha at 15 days interval starting from 40 DAS	Incidence (%), Yield (q/ha), B:C ratio.	CPRI,AR, 2024-22025
AGRIL.EXTENSION								
12.	Assessment of farm decision making efficiency under different extension advisory approaches **(NEW)**	**26OEE04(Y)**	Round the Year 2026-2027	Multiple sources of farm advisories make farmers confused to take decision	90	**FP-**Farmers take decisions based on own experience, neighbour advice, input dealers and traditional practices without structured advisory support. **TO_1 –**Farmers receive need-based advisories through training, field visits, method demonstrations group meetings and printed extension literature **TO $_2$ –** Farmers receive stage specific, weather-based and problem-specific advisories through WhatsApp /mobile message, short videos, pest alerts, market information and follow-up support from KVK/FPO/CAIC	Timeliness of decision, accuracy of input use, pest/disease management decision, cost saving, yield, income, adoption level and farmer satisfaction.	
13.	Assessment of FPO-led Value Chain Gap Reduction Approache for Enhancing Farmer Income	**26OEE02(Y)**	Round the Year 2026-2027	High value chain gaps in aggregation, grading, processing and market linkage resulting in low farmer income	90	**FP:** Individual sale of ungraded raw produce through local traders with no collective marketing or value addition. **TO1:** Farmer training on value chain compontents including grading, sorting, aggregation, storage, packaging and digital	Value chain gap reduction (%), Farmer participation (%), Adoption of value addition practices (%), Market linkage	

	(NEW)					market information **TO2:** FPO-led integrated value chain approach involving collective aggregation, scientific, grading, primary processing, packaging, branding, digital marketing and direct institutional buyers/processors market linkage	improvement (%), Price realization (Rs./q), Volume collectively marketed (%), Income enhancement (Rs./ha), B:C ratio	

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 variety – OUAT Kalinga rice 3 (Sampada) **(NEW)**	**26FAG01(K)**	Kharif 2026		13	MTU 1001	OUAT Kalinga Rice 3 (Sampada)	EBT/m2, panicle/length, No of granule/panicle Test wt., yield, B:C: ratio	OUAT 2025
2.	Demonstration of Sorghum for diversification of ragi production system **(NEW)**	**26FAG05(K)**	Kharif 2026	Non availability of suitable non ragi millet crop for diversification	13	Cultivation of Finger Millet	Cultivation of improved variety of Sorghum var.CSH-41, Line sowing, 45cm x STBFR (RDF:80:40:40)	EBT/m2, panicle/length, No of granule/panicle Test wt., yield, B:C: ratio	IIMR, 2023

3.	Demonstration on Integrated Weed Management in Maize **(NEW)**	**26FAG09(K)**	Kharif 2026	Low yield due to heavy weed infestation	13	Manual weeding at 25 DAS	Pre emergence application of Pyraxosulfone @ 150g/ha at 3DAS and post emergence application of topramezone @100ml/ha at 25 DAS	Weed flora count, WCE (%), No of cobs/plant, cob weight (g.)	IIMR, 2024
4.	Demonstration on weed management in Sugarcane **(NEW)**	**26FAG10(K)**	Kharif 2026	Low yield due to heavy weed infestation and more cost of production	13	Application of pre emergence herbicide metribuzine	Application of post-emergence herbicide Ametryn 80% WDG at @ 2.5 kg followed by 2-4D @1kg/ha at 60 DAP	No of tillers/plant, cane weight, yield, B:C ratio	OUAT, Annual report, 2016
HORTICULTURE									
5.	Demonstration on natural farming technology for tomato	**24FHO01(R)**	Rabi 2026-27	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 5:1, 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 fruits/plant, Wt. of the fruit (gm), Yield(q/ha), B:C ratio, % of Fruit borer incidence, % of sucking pest incidence	RRTTS, Ranital 2022-2023

6.	Demonstration on crop management in Apple Ber	**25FHO08 (K)**	Kharif 2026	Low production from appleber cultivation	13	**FP-** Application of 30kg FYM 250 gm Nitrogen 200gm Phosphorus and 250gm potassium/plant without pruning and micronutrient application	**RP-**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 2021
7.	Demonstration on marigold variety Arka Bhanu **(NEW)**	**26FHO13 (K/R)**	Rabi 2026-2027	Low yield and profit from marigold var. Seracole	13	**FP-** Cultivation of Marigold var. Seracole	**RP-** Variety Arka Bhanu- F1 hybrid, attractive, compact flower shape and golden yellow colour with a shelf life of 7-8 days, yield potential-10-11 t/acre	No of flowers/plant, Flower weight, Shelf life, Yield q/ha	ICAR - IIHR, 2025
8.	Demonstration on Onion variety Bhima Shakti **(NEW)**	**26FHO06 (K)**	Kharif 2026 :	Low profit from kharif onion cultivation	13	**FP-** Cultivation of onion var. N53	**RP-** Bhima Shakti, suitable for late kharif season maturity 130 days, DAT. Yield 45.9t/ha, storage life 5-6 months	Days to harvest, Bulb Diameter(cm), Bulb weight(g), yield(q/ha), B:C ratio	DOGR, 2022

9.	Demonstration of Amaranth with FYM and Microbial consortium **(NEW)**	**26FSS16 (K)**	Kharif 2026	Low yield in conventional farming	13	**FP-** Use of chemical fertiliser without application of organic manure	**RP-** Application of FYM 20t/ha augumented with 5kg microbial consortium (Azospirillium andPSB).yield pot186q/ha	Plant height(cm), Yield (q/ha) & economics	IIVR Annual report,2023
10.	Demonstration on INM packages for increasing yield of pointed gourd **(NEW)**	**26FSS17(K)**	Kharif 2026	Low production from pointed grourd cultivation due to inadequate fertilizer management	13	**FP-** Application of 150:60:60 kg NPK/ha without bio fertilizer and micronutrient application	**RP-**150:60:60 kg NPK/ha + 50% Boron as basal+ 50% boron as foliar spray + consortia bio fertilizer @ 12kg/ha+lime@ 0.2 LR/ha	Number of Fruits/plant, Yield(q/ha),BCR, Fruit wt., Fruit length diameter of fruit.	Dept. of Soil Science, OUAT, 2021
SOIL SCIENCE									
11.	Demonstration on integrated nutrient management in rice	**25FSS1(K)**	Kharif 2026	Low yield due injudicious use of fertilizer & low organic matter content	13	Application of N-P2O5-K2O@30:20: 0 kg/ha	**RP-**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 2026	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	**RP-**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 2026-27	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	**25FSS4(R)**	Rabi 2026-27	Poor branching and low pod setting	13	Application of recommended dose of fertilizer only	**RP-**Seed inoculation with Rhizobium & treated with Ammonium molybdate@10g/25 kg seed + STBFR followed by application of 4kg PSM/ha mixed with lime 0.2 LR and FYM@2t/ha	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 YSB and Leaf folder in rice **(NEW)**	**26FPP01(K)**	Kharif 2026	Low yield due to incidence of SB and LF	13	Foliar spraying with (Chlorpyriphos 50% + Cypermethrin 5%) @ 1 L/ha or Profenophos 50EC @ 1 L/ha	**RP-** Soil application with (Cartap hydrochloride 7.5% + Emamectin benzoate 0.25% G) @ 7.5 kg/ha twice at 30 DAT and PI stage	Dead Heart (%), White Ear Head (%), Leaf folder infestation (%), Yield (q/ha), BC Ratio	OUAT, AR, 2023-24
16.	Demonstration on integrated management of	**26FPP06(R)**	Rabi 2026-27	Severe sucking pest incidence	13	**FP:** Foliar spray with Imidachloprid 17.8 SL @	**RP-** Installation of Yellow Sticky Traps @ 20 nos./ha at 15	No. of Aphids/ 5 cm twig, No. of Thrips/3	OUAT, AR, 2020-21

	red spider mite and other sucking pests in Brinjal **(NEW)**					300ml/ ha	DAT, alternate spraying of (Spirotetramat 11.01 + Imidacloprid 11.01 SC) @ 500 ml/ha and Neem oil (300 ppm) @ 2.5 l/ha at 15 days interval from 30 DAT	leaves, No of White fly/6 leaves, Yield (q/ha), BC Ratio and farmers' feedback	
17.	Demonstration on integrated management of sucking pests in Okra **(NEW)**	**26FPP09(K)**	Kharif 2026	Sucking pest like aphid, white fly and jassids incidence in okra reduces the yield	13	**FP:** Spraying of Thiamethoxam 25WG @ 250 g/ha	**RP-** Seed treatment with Imidacloprid 600 FS @ 5ml/kg of seed, installation of Yellow Sticky Traps @ 50 nos./ha at 25 DAS, alternate spraying of Tolfenpyrad 15% EC @ 1000 ml/ha and Neem oil @ 1 L/ha starting from 30 DAS twice at 10 days interval.	Mean population of Jassids, Aphids & Whiteflies/ 3 leaves, YVMV disease incidence (%), Yield (q/ha), BC Ratio and Farmers' feedback	RVSKVV, Gwalior, AR, 2021-22
18.	Demonstration on integrated management of fruit fly in Bittergourd	**24FPP25(R)**	Rabi 2026-27	Low yield due to heavy fruit fly incidence	13	**FP:** Spraying of Imidacloprid 17.8SL @ 0.5ml/Lit of water	**RP-**Seed treatment with Imidacloprid 600 FS @ 5 ml/ kg seed. + Soil application of Rynaxypyr 0.4 G @ 10 kg/ ha at 30 DAS + YST at 2-3 leaf stage + Alternate Foliar spray of neem oil formulations (1500 ppm) @ 1.5 l/ ha and Flonicamid 50 WG @ 150 g/ ha at 40, 50, 60 DAS + Foliar application of vegetable micronutrient mixture	No of hoppers /3 leaf, disease incidence %	RRTTS, Ranital , OUAT -2021-22

							@ 2.5 g/ l of water twice at 30 and 45 DAS		
AGRIL. EXTENSION									
19.	Demonstration on adoption of natural farming practices **(NEW)**	**26FEE01(Y)**	Round the Year 2026-27	Many farmers lack awareness or practical exposure to natural farming practices and their long-term benefits, resulting in slow adoption rates.	30	**FP:** Farmers following conventional practices for nutrient management, pest management in farming without use of chemicals	**RP-**Farmers practicing natural farming (often vetted by agricultural research bodies) with help of frontline extension support, such as KVK, Line department (e.g. awareness programme, training and demonstration on prepration of Jeevamrit, Beejamrit, Dashparniark, Neemastra etc.)	Rate of adoption of different components, ease in handling the technology, complexity, knowledge gain, input cost reduction, change in income.	
20.	Demonstration on Mushroom based Integrated Farming System **(NEW)**	**26FEE02(Y)**	Round the Year 2026-27	Lack of mushroom based farming system for better income and employment	30	**FP:** Mushroom production in lower scale provide low income	**RP:** Demonstration of Mushroom based IFS, comprising components like vermin-composting, Backyard poultry rearing, Vegetable farming. Floriculture in homestead land	Adoption rate of various components of the farming system. Cost benefit analysis.	
21.	Demonstration on extent of adoption of climate resilient technology among farmers for sustainable production **(NEW)**	**26FEE05(Y)**	Round the Year 2026-27	Poor adoption of climate resilient technologies in agricultural and allied sectors reduces yield.	30	**FP:** Cultivation of suitable crops feasible to their ecosystem	**RP-**Recommended climate resilient technology/ enterprises practice by the farmer.	Timeliness, Availability, Feasibility, Sustainability, Applicability	

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 2026	6 ha	FS	240	4,80,000/-	7,68,000/-	2,88,000/-
Brinjal	JK-80-31, Tarini	July, 2026 to March 2027	0.26	Planting material	10,000	5500/-	10000/-	4500/-
Chilli	Daiya, Siamhot	July, 2026 to March 2027	0.3	Planting material	5,000	2500/-	5000/-	2500/-
Papaya	Vinayak, Pearl swapna**,** Red lady	July, 2026 to March 2027	2.0	Planting material	2,000	20000/-	50,000/-	30,000/-
Tomato	ArkaRakshak, ArkaAbhed, Arka Samrat	Sept, 2026 to March 2027	0.6	Planting material	18000	8500/-	18000/-	9500/-
Onion	Agri. found light red (AFLR), N-53, Bhima Sakti, Bhima Light red	Sept, 2026 to March 2027	0.8	Planting material	150000	15000/-	37,500/-	22,500/-
Cauliflower	White contesa, Payal	Sept, 2026 to Dec, 2027	0.13	Planting material	5000	2000/-	5000/-	3000/-
Cabbage	Pusa drum head, Lucky ball	Sept, 2026 to Dec, 2027	0.13	Planting material	5000	2000/-	5000/-	3000/-
Capsicum	Ayesha, Nandini	Sept, 2026 to Dec, 2027	0.13	Planting material	2000	2000/-	4000/-	2000/-
Brocolli	KT-Sel-1, Known-you F_1 Hybrid	Sept, 2026 to Dec, 2027	0.13	Planting material	1000	1000/-	2000/-	1000/-
Marigold	Arka Bhanu, Arka Pari, Arka Madhu	Sept, 2026 to Dec, 2027	0.2	Planting material	10000	20000/-	30000/-	10000/-
Drumstick	ODC-3 , PKM-1	July 2026 to March 2027	5	Planting material	1000	2000/-	5000/-	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

Sd/-
Sr. Scientist & Head
KVK, Jajpur
Dt. 10.07.2026