

Scheduled Caste Sub-Plan

Action Plan 2024-25

**Krishi Vigyan Kendra, Ganjam-II
Berhampur-761008**



**Odisha University of Agriculture and Technology
Bhubaneswar, Odisha**



Scheduled Caste Sub-Plan (SCSP)

ACTION PLAN FOR SCSP 2024-25, KVK GANJAM-II

FLD-1

Title of the FLD	Demonstration on drought tolerant Rice variety-Swarna Shreya
Thrust Area	Crop production
Season	Kharif, 2024
Farming Situation:	Short duration, Rainfed Land
No. of demonstrations	25
Farmers Practice	Rice Variety MTU-1156
Details of the technology	Short duration (120-125days), High yielding, Drought tolerant and disease pest resistant.
Observation parameters	Effective tillers/ m ² , no of filled grains/Panicle, 1000 grain weight
Scientists involved:	SMS (Agronomy)

FLD-2

Title	Demonstration on Rice Variety CR DHAN-314 with use of herbicide for weed management in transplanted Rice.
Thrust Area	Weed management
Season	Kharif-2024
Farming Situation:	Medium irrigated land
Identified problem	Low yield due to high weed infestation
No. of demonstrations	20 (2.0 ha)
Farmers Practice	Hand weeding
Details of the technology	Pre-emergence application of pretilachlor 6% + bensulfuron methyl 0.6 % GR (Ready mix) 600g/ha at 3 DAT fb post emergence application of Bispyribac Sodium 10 EC 25g/ha at 20 DAT
Observation parameters	Weeds per meter sq., Weed control efficiency, Yield q/ha.
Scientists involved:	Agronomy (SMS).

FLD-3

Title	Demonstration on ICM practices of sweetcorn
Thrust Area	ICM
Season	Rabi-2024
Farming Situation:	Medium irrigated land
Identified problem	Low yield due to poor management practices
No. of demonstrations	20 (2.0 ha)
Farmers Practice	Sweetcorn variety-Madhuri
Details of the technology	Sweet corn variety: Sugar 75, mulching and use of water soluble fertilizer.
Observation parameters	No. of rows/cob, yield, economics
Scientists involved:	Agronomy (SMS), Scientist (Plant Protection)

FLD-4

Title of the FLD	Demonstration on high valued vegetable crops (Broccoli, Colored cauliflower Carotina & Valentina, Pakchoi, Red cabbage etc.)
Thrust Area	Popularization of low volume and high value vegetables.
Season	Rabi- (2024-25)
Farming Situation:	Irrigated upland
No.of demonstrations	10
Farmers Practice	Local variety without recommended practice
Details of the technology	High yielding varieties with application of boron and mulching.
Observation parameters	Plant height (cm), Leaves/plant, Plant spread (cm), Head initiation, Days to head maturity, Head weight (gm), Head yield/plant, Head yield/ha
Scientists involved:	SMS (Agronomy)

FLD-5

Title of the FLD	Demonstration on Nutri Garden for nutrition security of farm families
Thrust Area	Nutrition security
Season	Rabi-2024
Farming Situation:	Homestead
No. of demonstrations	10
Farmers Practice	Irregular and unsystematic Nutritional Gardening with seasonal vegetables
Details of the technology	Year-round vegetable cultivation for balanced nutrition, use of pro-tray, cocopeat and vermin compost.
Observation parameters	Vegetable consumption (g/member/day) Additional income per annum
Scientists involved:	SMS(Agronomy)

FLD-6

Title	Demonstration of Integrated crop management in Rabi Chilli.
Thrust Area	ICM
Season	Rabi, 2024-25
Farming Situation:	Irrigated medium land
Identified problem	Low yield due to imbalance fertilizer application & lack of knowledge about pesticides.
No. of demonstrations	20
Farmers Practice	Cultivation of chilli without crop management practice (Nutrient management and Plant protection measures)
Details of the technology	Nutrition management by application of STBF (NPK) + FYM @ 5 t/ha + OUAT consortia Bio-fertilizer @ 12 kg/ha. and pest management through Yellow and Blue sticky trap, solar insect light trap.
Observation parameters	Soil parameter before and after crop, pest density per plant, no. of fruits/plant, yield, economics.
Scientists involved:	Scientist (Soil Sc.), Scientist (PP)

FLD-7

Title	Demonstration of improved varieties of Mango, Papaya, Drumstick fruits for income generation
Thrust Area	ICM
Season	Rabi, 2024-25
Farming Situation:	Irrigated medium land
Identified problem	Low yield due to cultivation of local varieties
No. of demonstrations	20
Farmers Practice	Cultivation of local varieties
Details of the technology	Supply of improved varieties of Mango, Papaya, Drumstick
Observation parameters	No. of fruits /plant, income /annum, yield
Scientists involved:	Scientist (PP), Farm Manager

FLD-8

Title	Demonstration of Integrated crop management in onion for yield enhancement.
Thrust Area	ICM
Season	Rabi 2024-25
Farming Situation:	Irrigated upland
Identified problem	Low yield due to inadequate sulphur in soil and no application of organics
No. of demonstrations	25 (10ha)
Farmers Practice	Cultivation of onion (Var. Agrifound dark red) without crop management practice
Details of the technology	STBF+Sulphur @30kg/ha+ inoculation of OUAT consortia Bio-fertilisers @ 12kg/ha with 300kg pre-limed (5%) vermicompost along with need based pesticides.
Observation parameters	Soil parameter before and after crop, yield, B:C ratio
Scientists involved:	Scientist (Soil), Scientist (Plant Protection)

FLD-9

Title	Demonstration on ICM in marigold var. ceracola for income generation
Thrust Area	ICM
Season	Rabi, 2024-25
Farming Situation:	Irrigated medium land
Identified problem	Non adoption of floriculture
No. of demonstrations	20
Farmers Practice	Cultivation of local varieties
Details of the technology	Supply of micronutrients, biofertiliser, planting material and aphid management
Observation parameters	Yield, income/annum
Scientists involved:	Scientist (Soil Sc), Scientist (PP)

FLD- 10

Title	Demonstration on ICM in tuber rose
Thrust Area	ICM
Season	Kharif 2024-25
Farming Situation:	Medium land
Identified problem	Improper crop management
No. of demonstrations	20
Farmers Practice	Local variety,
Details of the technology	Variety-Calcutta double, Foliar spray of NPK and rhizome rot management
Observation parameters	Yield/ha, B:C ratio
Scientists involved:	Scientist (PP), Scientist (Soil Sc.)

FLD- 11

Title	Demonstration on cultivation of year-round mushroom cultivation for income generation of women SHGs
Thrust Area	Income generation
Season	Rabi 2024-25
Farming Situation	Back yard
Identified problem	No ancillary income generation of women SHGs
Target group / Situation	Women SHGs.
No of Demonstration /Beneficiary	50 members
Farmers practice	No additional income
Technology to be demonstrated	Cultivation of paddy straw and oyster mushroom, use of shednet
Observation Parameters	Production per bed, net income per annum.
Scientists involved:	Scientist (PP)

FLD-12

Title	Demonstration on trellis in gourd vegetables
Thrust Area	ICM
Season	Rabi, 2024-25
Farming Situation:	Medium irrigated land
Identified problem	High cost of cultivation in bamboo structure.
No. of demonstrations	10
Farmers Practice	Cultivation practice using local bamboo
Details of the technology	Cultivation of gourds in trellis net, mulching
Observation parameters	Yield/ha, B:C ratio
Scientists involved:	Scientist (Plant Protection), Farm Manager

FLD-13

Title	Demonstration on income generation through vermicomposting
Thrust Area	Income generation
Season	Round the year 2024-25
Farming Situation:	Homestead/Backyard
No. of demonstrations	10
Farmers Practice	FYM Production
Details of the technology	Production technique of Vermicomposting in Polythene bag with release of verm @1 kg/q of substrate
Observation parameters	Yield, BC ratio.
Scientists involved:	Scientist (Soil Sc.)

FLD- 14

Title	Demonstration on Optimization of plankton production for enhanced fish production
Thrust Area	Production Management
Season	Year round 2024-25
Farming Situation	Rain fed Pond based
Identified problem	Only carp culture, Seed availability
Target group / Situation	Women SHGs/Individual farmer-farm women/Farm pond
No of Demonstration / Beneficiary	20
Farmers practice	Extensive method of Carp culture
Technology to be demonstrated	Soil and water test based application of Lime along with plankton enhancer (Planktolife / CIBA-Plankton ^{Plus}) at recommended dose to boost the pond productivity
Observation Parameters	Water quality parameter (pH, alkalinity, Plankton conc.), Yield, Survivability (%), B:C ratio.
Scientists involved:	Scientist (Fishery Science)

FLD- 15

Title	Demonstration on Ornamental Fish Culture in backyard
Thrust Area	Production Management
Season	Rabi-2024-25
Farming Situation	Backyard
Identified problem	Low income of SHGs
Target group /Situation	Women SHGs/Individual farmer-farm women
No of Demonstration / Beneficiary/Unit	25 Nos (SHG member)
Farmers practice	Not practicing any additional income generating activity
Technology to be demonstrated	Establishment of cemented ring based thatched Ornamental Unit Species: Both Live bearer and Egg layers Water and feeding quality management
Observation Parameters	Yield, Survivability (%), Cost of intervention. Additional income over additional investment, B:C ratio.
Scientists involved:	Scientist (Fishery Science)

FLD- 16

Title	Demonstration on preparation on floating fish feed for carp culture
Thrust Area	Production Management (Fish Seed)
Season	Year Round 2024-25
Farming Situation	Rainfed Pond based
Identified problem	Indiscriminate feeding
Target group / Situation	Women SHGs/Individual farmer-farm women/Farm pond
No of Demonstration/ Beneficiary	20
Farmers practice	Extensive method of pisciculture without feeding
Technology to be demonstrated	Feeding the fish with mixture of DORB and floating pelleted feed of 27% CP level@5% initially following a reduction to 2%.
Observation Parameters	Water quality parameter (pH, alkalinity, Plankton conc.) Avg body weight, Survivability (%), FCR, Cost of intervention. Additional income over additional investment, B:C ratio.
Scientists involved:	Scientist (Fishery Science), Scientist (Soil Sc)

FLD- 17

Title	Demonstration on use of Insulated box to preserve the quality of fish
Thrust Area	Post-harvest Management
Season	Rabi 2024-25
Farming Situation	Home stead
Identified problem	Poor fish handling and storage leads to quality deterioration during long term management by the local fish seller/vender
Target group/Situation	Fish traders/artisanal fisher-women/men
No of Demonstration /Beneficiary	20
Farmers practice	Use of local made bamboo basket or Plastic bag during retail vending
Technology to be demonstrated	The insulated box (Ice box) is made of three layers viz., an outer water proof covering, a middle insulation foam layer and an inner plastic lining. The box is reusable. No flies, no off-odour and dust contamination. Fish kept along with ice (1:1 ratio) preserves the quality of iced-fish for a period of 6 hours.
Observation Parameters	Temperature, Organoleptic quality, TVBN, B:C ratio
Scientists involved:	Scientist (Fishery Sc)

FLD- 18

Title	Demonstration on low input dual purpose coloured bird in backyard
Thrust Area	Backyard poultry rearing.
Season	Rabi 2024-25
Farming Situation	Back yard
Identified problem	Low return from desi poultry bird.
Target group / Situation	Farm-women.
No of Demonstration /Beneficiary	20
Farmers practice	Rearing desi poultry bird .

Technology to be demonstrated	PALLISHREE/RHODE ISLAND RED (R.I.R.)/KALINGA BROWN/KROILER: Backyard and Intensive farming; Cock-3.85Kg, Hen-2.95Kg; Egg production: 250-255/year and 1 st egg laying: 160-170 days. Cock-2.60Kg, Hen-1.60Kg; Egg production: 200-220/year and 1 st egg laying:170-180 days. Bird body wt at 20 weeks 1170g, Avg. annual egg production 180-190.
Observation Parameters	Body wt. gain at 3 month, 6 months and 1 st year, no. of egg production/annum.
Scientists involved:	Scientist (Fishery Sc)

Other activities

Activities	No. of activity	No. of participants
Trainings	16	480
Publication of literature	05	1000
Field day	15	600
Method demonstration (Solar equipment's)	10	200
Exhibition	05	1000
Special day Celebration	10	500
Farmers fair	04	1000
Animal health camp	02	100
Workshop	04	200
Soil sample testing	100	100
Water sample testing	100	100
Infrastructure / Civil Works/ Ponds renovation	02	
Land development/ Reclamation / Conservation	1 ha	

Sd/-

Sr. Scientist & Head
KVK, Ganjam-II, Berhampur