Scheduled Caste Sub-Plan

Action Plan 2023-24

Krishi Vigyan Kendra, Ganjam-II

Berhampur-761008

Odisha University of Agriculture and Technology

Bhubaneswar, Odisha

Scheduled Caste Sub-Plan (SCSP)

ACTION PLAN FOR SCSP 2023-24 , KVK GANJAM-II

FLD-1

Title of the FLD	**Demonstration on Medium Duration Paddy variety-MTU-1224**
Thrust Area	Crop production
Season	Kharif, 2023
Farming Situation:	Medium, Rainfed Land
No.of demonstrations	60 ha
Farmers Practice	Rice Variety Pooja
Details of the technology	Medium duration (130 days), High yielding, non-lodging variety, tolerant to BPH and blast, 2 weeks dormancy.
Observation parameters	Effective tillers/ $m^{2,}$ No of filled grains/Panicle, 1000 grain weight
Scientists involved:	SMS (Agronomy)

FLD-2

Title	**Demonstration on ICM practices of sweetcorn**
Thrust Area	ICM
Season	Rabi-2023
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 and imbalance use of fert(80:30:30).
Details of the technology	Duration 80-90 days, Vigorous plant with 5-6 feet height, Average yield 8 to 10 mt/acre and need based pesticides.
Observation parameters	No. of rows/cob, yield, economics
Scientists involved:	Agronomy (SMS), Scientist (Plant Protection)

FLD-3

Title	**Demonstration of Integrated pest management in Brinjal for yield enhancement.**
Thrust Area	IPM
Season	Rabi-2023-24
Farming Situation	Irrigated upland
Identified problem	Low yield due to high incidence of fruit and shoot borer.
No.of demonstrations	20
Farmers Practice	Cultivation of brinjal (Var. Akshita) without crop management practice
Details of the technology	Use of Pheromone Trap @ 50 no.s/ha, lure, Trichocard, vermin compost and need based application of neo insecticides
Observation parameters	No. of fruits per plant, No of Shoot & fruit borer plants /m^2, yield, economics
Scientists involved:	Scientist (Plant Protection),

FLD-4

Title	**Demonstration of mechanical weed management Rabi finger millet.**
Thrust Area	Mechanical weed management.
Season	Rabi, 2023-24
Farming Situation:	Hand weeding
Identified problem	High drudgery and costly manual labour
No. of demonstrations	20
Farmers Practice	Manual weeding
Details of the technology	Cycle weeder
Observation parameters	Drudgery parameters, cost of labour and B:C ratio
Scientists involved:	Scientist (Plant Protection)

FLD-5

Title	**Demonstration of Integrated crop management in Rabi Chilli.**
Thrust Area	ICM
Season	Rabi, 2023-24
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
Details of the technology	STBF (NPK) + FYM @ 5 t/ha + OUAT consortia Bio-fertilizer @ 12 kg/ha. , 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-6

Title	**Demonstration of Indian honey bee**
Thrust Area	Income generation
Season	Rabi, 2023-24
Farming Situation:	-
Identified problem	Lack of adoption of honey bee cultivation as ancillary source of income generation
No. of demonstrations	10 SHGs
Farmers Practice	No honey bee cultivation
Details of the technology	Indian honey bee farming
Observation parameters	Yield/box.
Scientists involved:	Scientist (PP)

FLD-7

Title	**Demonstration of improved varieties of Mango, Papaya, Drumstick fruits for income generation**
Thrust Area	ICM
Season	Rabi, 2023-24
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 (Soil Sc.) , Scientist (PP), SMS(Agronomy)

FLD-8

Title	**Demonstration of year round marigold var.ceracola for income generation**
Thrust Area	INM
Season	Rabi, 2023-24
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
Observation parameters	Soil test values, yield, income/annum
Scientists involved:	Scientist (Soil Sc.)

FLD- 9

Title	**Demonstration of triple resistant tomato variety Arka Samrat**
Thrust Area	IDM
Season	Rabi, 2023-24
Farming Situation:	Irrigated medium land
Identified problem	Low yield due to adoption of wilt prone tomato varieties.
No. of demonstrations	40
Farmers Practice	Cultivation of tomato without crop management practice
Details of the technology	Varietal replacement
Observation parameters	No. of Fruits/plant, yield, economics.
Scientists involved:	Scientist (PP)

FLD-10

Title	**Demonstration on Ornamental Fish Culture in backyard**
Thrust Area	Production Management
Season	Rabi-2023-24
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 -11

Title	**Demonstration on Package and Practices of Yearling production**
Thrust Area	Production Management (Fish Seed)
Season	Year Round 2023-24
Farming Situation	Rainfed Pond based
Identified problem	Non availability of seed throughout the year
Target group / Situation	Women SHGs/Individual farmer-farm women/Farm pond
No of Demonstration/ Beneficiary	25
Farmers practice	Newly constructed farm ponds, not practicing seed production
Technology to be demonstrated	Stocking fry 2 lakh/ha, Fry fed with de-oiled rice bran (crude protein: 12 to 15 percent) @2% biomass, with the occasional addition of raw rice bran and groundnut oil cake. Proper water quality management, manuring and fertilization as per the water quality parameter
Observation Parameters	Water quality parameter (pH, alkalinity, Plankton conc.) Avg body weight, Survivability (%), Cost of intervention. Additional income over additional investment, B:C ratio.
Scientists involved:	Scientist (Fishery Science), Scientist (Soil Sc)

FLD 12

Title	**Demonstration on use of Insulated box to preserve the quality of fish**
Thrust Area	Post-harvest Management
Season	Rabi 2023-24
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	Farmers
No of Demonstration /Beneficiary	30
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-13

Title	**Demonstration on low input dual purpose coloured bird in backyard**
Thrust Area	Backyard poultry rearing.
Season	Rabi 2023-24
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	RHODE ISLAND RED (R.I.R.)/KALINGA BROWN/KADAKNATH**:** Backyard and Intensive farming; Cock-3.85Kg, Hen-2.95Kg; Egg production: 250-255/year and 1st egg laying: 160-170 days. Cock-2.60Kg, Hen-1.60Kg; Egg production: 200-220/year and 1st 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 1st year, no. of egg production/annum.
Scientists involved:	Scientist (Fishery Sc)

FLD-14

Title	**Demonstration on cultivation of year round mushroom cultivation for income generation of women SHGs**
Thrust Area	Income generation
Season	Rabi 2023-24
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
Observation Parameters	Production per bed , net income per annum.
Scientists involved:	Scientist (PP) , SMS (Agronomy)

Other activities

Activities	No. of activity	No. of participants
Trainings	16	480
Publication of literature	6	-
Field day	14	560
Method demonstration	4	60
Exhibition	5	-
Farmers fair	4	-
Workshop	5	-
Soil sample testing	100	-
Water sample testing	50	-

Sd/-

Sr. Scientist & Head
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