



SCSP ACTION PLAN 2023-24

Krishi Vigyan Kendra, Kendrapara

**Odisha University of Agriculture & Technology,
Bhubaneswar
ICAR-ATARI, Kolkata**

SCHEDULED CASTE SUBPLAN (SCSP)

KVK, KENDRAPARA, 2023-24

1. Name of the district: Kendrapara

2. Introduction

Kendrapara district is an important agrarian district of the state where more than 75 % of the population depends on Agriculture. According to the 2011 census, out of the total population of the district, the schedule caste population is 3,09,780 (21.51 %). The male SC population is 1,55,531 and female SC population is 1,54,249. Kendrapara, Patamundai, Derabish and Mahakalpara blocks of the district are dominated in SC population.

3. Objective

- To increase the income and improve the livelihood of the target population by way of various income generating activities, skill development and infrastructure development
- To reduce the poverty among the target population and bring them above the poverty lines

ABSTRACT OF PROPOSED ACTIVITIES

Sl.No.	Name of activity	No. of activity	Beneficiaries/animals
A	FLD	16	610
	Field Days	16	8000
B	Training	18	490
C	Publications	10	5000
D	Soil testing	200	350
E	Exposure visits	2	40
F	Farmers Fair and Exhibition	1	200
G	Farmers Scientists Interaction	2	100
H	Animal health camp	2	100
I	Swachha Bharat Programme	4	200
J	Soil Health Campaign	2	100
K	Ex-Trainees Meet	2	100
L	Awareness camp	6	400

A. FLDs TO BE CONDUCTED

FLD: 1

Title of the FLD	:	Demonstration on micronutrient (Zn, B) application in rice
Thrust Area	:	Crop production technology
Season and year	:	Kharif, 2023
Farming Situation	:	Rainfed medium land
Farmers problem	:	Low income due to lower productivity of rice
No. of demonstrations	:	20
Area (ha)	:	10
Details of the technology	:	Application of ZnSO ₄ @ 25kg/ha and Borax @ 10 kg/ha in rice.
Observation parameters	:	Yield, Economics
Scientists involved	:	SMS (Agronomy)

FLD: 2

Title of the FLD	:	Demonstration on ICM in toria
Thrust Area	:	Crop production technology and income generation
Season and year	:	Rabi, 2023-24
Farming Situation	:	Irrigated medium land
Farmers problem	:	Low income due to lower productivity of pulses in Rabi
No. of demonstrations	:	05
Area (ha)	:	02
Details of the technology	:	Cultivation of toria var Sushree, Soil test-based fertilizer application with need base plant protection measures.
Observation parameters	:	Yield, Economics
Scientists involved	:	SMS (Agronomy)

FLD: 3

Title of the FLD	:	Demonstration on Sweetcorn cultivation
Thrust Area	:	Crop production technology and income generation
Season and year	:	Rabi, 2023-24
Farming Situation	:	Irrigated medium land
Farmers problem	:	Lower income from rice-pulse cropping system
No. of demonstrations	:	5
Area (ha)	:	01
Details of the technology	:	Cultivation of sweet corn, Soil test-based fertilizer application with need base plant protection measures.
Observation parameters	:	Green cob Yield, Economics
Scientists involved	:	SMS (Agronomy)

FLD: 4

Title of the FLD	:	Demonstration of oyster mushroom production
Thrust Area	:	Mushroom production
Season and year	:	Rabi 2023-24
Farming Situation:	:	Homestead
Framers' problem	:	Low family income
No. of demonstrations	:	20
No. of bags per farm women	:	10
Details of the technology	:	Cultivation of oyster mushroom with need base management practice
Observation parameters	:	Yield kg/bed, duration of cultivation
Scientists involved:	:	Scientist (Home Science)

FLD: 5

Title of the FLD	:	Demonstration on Composite carp culture
Thrust Area	:	Production and management
Season and year	:	Kharif,2023
Farming Situation:	:	Pond based
Farmers problem	:	Low income due to stocking of IMC fry without proper stocking density and ratio
No. of demonstrations	:	20
Pond area (ha)	:	4.0
Details of the technology	:	Stocking of fingerlings of Improved Catla, Jayanti Rohu and Mrigal (IMC) at a ratio of 3:4:3 with stocking density of 10000 nos/ha
Observation parameters	:	Length and weight of fish, B C ratio, Yield (q/ha)
Scientists involved:	:	Scientist (Fishery)

FLD: 6

Title of the FLD	:	Demonstration of nutritional garden for nutritional security
Thrust Area	:	Nutritional security
Season and year	:	Round the year, 2023-24
Farming Situation:	:	Homestead
Farmers problem	:	Non-availability of nutritious vegetables round the year for family consumption
No. of demonstrations	:	20
Area (ha)	:	1
Details of the technology	:	Round the year vegetable and fruit i.e. Papaya, drum stick, Lemon with vegetable seed kit and trellis net
Observation parameters	:	Availability of fresh vegetable/day/family
Scientists involved:	:	Scientist (Home Science)

FLD: 7

Title of the FLD	:	Demonstration of backyard poultry for income generation
Thrust Area	:	Income generation
Season and year	:	Round the year, 2023-24
Farming Situation:	:	Homestead
Farmers problem	:	Low income from local bird
No. of demonstrations	:	20
No. of birds per family	:	20
Details of the technology	:	Poultry breed - Rainbow rooster with low-cost housing
Observation parameters	:	Body weight gain in three-month, Egg laying/year
Scientists involved:	:	Scientist (Fishery)

FLD:8

Title of the FLD	:	Demonstration on backyard duckery for income generation
Thrust Area	:	Income generation
Season and year	:	Round the year, 2023-24
Farming Situation:	:	Homestead
Farmers problem	:	Low income from local bird
No. of demonstrations	:	15
No. of birds per family	:	15
Details of the technology	:	Rearing of improved duck variety khaki Campbell/ White Peekin
Observation parameters	:	Body weight gain in three-month, Egg laying/year
Scientists involved:	:	Scientist (Home Science)

FLD: 9

Title of the FLD	:	Demonstration on vermicompost production
Thrust Area	:	Income generation
Season and year	:	Round the year, 2023-24
Farming Situation:	:	Homestead
Farmers problem	:	Unavailability of vermicompost for vegetable cultivation
No. of demonstrations	:	10
Farmers Practice	:	FYM production
Details of the technology	:	Production technique of vermicompost in polythene bag with release of vermin @ 1kg per quintal of substrate.
Observation parameters	:	Yield, BC ration
Scientists involved:	:	PA (Agril)

FLD: 10

Title of the FLD	:	Demonstration on bee keeping (<i>Apis cerena indica</i>)
Thrust Area	:	Income Generation Activity
Season and year	:	Round the year 2023-24
Farming Situation:	:	Home stead
No. of demonstrations	:	5
Details of the technology	:	Provision of Bee box with colony, Bee Veil, Honey extractor, smoker, queen gate etc. for promotion of honey bee rearing
Scientists involved:	:	Scientist (Plant protection)

FLD: 11

Title of the FLD	:	Demonstration on organic management of Yellow stem borer in Rice
Thrust Area	:	Pest management
Season and year	:	Kharif,2023
Farming Situation:	:	Rainfed medium land
No. of demonstrations	:	20
Details of the technology	:	Installation of pheromone traps @ 20 nos per ha for mass trapping. Release of <i>Trichogramma chilonis</i> eggs @ 50,000 nos./ ha per release at one week interval for four times and spraying with neem oil 1500ppm @ 1.5lit/ha thrice at 10 days interval starting from late tillering stage. Installation of bird perches @ 20 no. per ha.
Scientists involved:	:	Scientist (Plant protection)

FLD: 12

Title of the FLD	:	Demonstration on organic pest management of in Tomato
Thrust Area	:	Pest management
Season and year	:	Rabi 2023-24
Farming Situation:	:	Irrigated medium land
No. of demonstrations	:	10
Details of the technology	:	Soil application of neem cake @ 2.5 q/ha. Release of <i>Trichogramma chilonis</i> eggs @ 50,000 nos./ha at one week interval for four times starting from flowering stage. Spraying of neem oil 1500ppm @ 3ml/ lit. Installation of pheromone trap @ 20 nos / ha. Installation of Yellow sticky traps @ 50nos. /ha. Foliar spray with <i>Trichoderma viridae</i> @ 2gm/L water.
Scientists involved:	:	Scientist (PP)

FLD: 13

Title of the FLD	:	Demonstration on low input intensive vegetable crops – yam, elephant foot yam
Thrust Area	:	Vegetable production
Season and year	:	Rabi, 2023-24
Farming Situation:	:	Backyard/ upland
No. of demonstrations	:	10
Farmers problem	:	High incidence of wilting
Details of the technology	:	Cultivation of Yam var Odisha Elite and elephant foot yam Var Gajendra
Scientists involved:	:	Scientist (Horticulture)

FLD: 14

Title of the FLD	:	Demonstration on Marigold cultivation for livelihood support of small and marginal farmers
Thrust Area	:	Flower production
Season and year	:	Rabi, 2023-24
Farming Situation:	:	Backyard/ upland
No. of demonstrations	:	10
Farmers problem	:	Low income from seasonal marigold cultivation
Details of the technology	:	Round the year Marigold cultivation var. BM2
Scientists involved:	:	Scientist (Horticulture)

FLD: 15

Title of the FLD	:	Demonstration on growing of solanaceous vegetable in grow bags
Thrust Area	:	Vegetable production
Season and year	:	Rabi, 2023-24
Farming Situation:	:	Backyard/ upland
No. of demonstrations	:	10
Farmers problem	:	Not able to meet their daily consumption need of solanaceous crops
Details of the technology	:	Cultivation of brinjal var. Utkal Keshari, tomato var. Utkal Raja, chilli var. Utkal Rashmi in grow bags with proper media.
Scientists involved:	:	Scientist (Horticulture)

FLD: 16

Title of the FLD	:	Demonstration on release of <i>Trichogramma chilonis</i> egg parasitoid for the management of shoot and fruit borer in Brinjal
Thrust Area	:	Pest management
Season and year	:	Kharif, 2023
Farming Situation:	:	Rainfed medium land
No. of demonstrations	:	10
Farmers problem	:	High incidence of BSFB
Details of the technology	:	Release of <i>Trichogramma chilonis</i> eggs @ 50,000 nos./ha /release at one week interval for five times starting from flowering stage.
Scientists involved:	:	Scientist (PP)

B. TRAININGS**a. Farmers & Farm Women**

Sl. No.	Title of Training	No. of courses	Duration	On/off-campus	No. of participants
1	Scientific cultivation of sunflower	1	1	Off	30
2	Scientific cultivation of sweet corn	1	1	Off	30
3	IPM in oilseed crops	1	1	Off	30
4	Organic pest management in vegetable crops	1	1	Off	30
5	Pond management for commercial fish production	1	1	Off	30
6	Development of nutritional garden	1	1	Off	30
7	Vermicompost and vermi-wash production	1	1	Off	30
8	Low input intensive horticultural crops in backyard and commercial farming	1	1	Off	30
9	Micro-irrigation in horticultural crops	1	1	Off	30
10	Backyard duckery for income generation	1	1	Off	30
11	Pond based integrated farming system with special emphasis on horticultural crops	1	1	Off	30
12	Oyster mushroom production	1	1	off	30
13	Pond based Integrated farming system	1	1	off	30

b. Rural youth training:

Sl.No.	Title of Training	No. of courses	Duration	On/off-campus	Type of Participants	No. of participants
1.	Natural farming for field and horticultural crops	1	2	On	RY	20
2.	Production and preparation of inputs for pest management from locally available resources	1	2	On	RY	20
3.	Stunted fingerling and yearling production	1	2	On	RY	20
4.	Nursery raising techniques	1	2	On	RY	20
5.	Vermicompost production	1	2	On	RY	20

C. PUBLICATIONS

Sl.No.	Title of publication	Type of publication	No. of publication
1.	Value additions in mushroom	Booklet	500
2.	Millet production	Booklet	500
3.	Crop diversification with sweet corn	Booklet	500
4.	Fish seed production	Booklet	500
5.	Hi-tech horticulture technology	Booklet	500
6.	Management of pests of solanaceous crops	Booklet	500
7.	Swachhata for healthy life and environment	Booklet	500
8.	Others (soil health management, organic inputs in agriculture, pest management in field and hort crops etc.)	Leaflet	1000

D. OTHER EXTENSION ACTIVITIES

Sl. No.	Activity	No. of programmes	No. of participants
1	Soil testing	200 (Sample)	350(SHC)
2	Exposure Visit	2	40
3	Farmers fair & Exhibition	1	200
4	Farmers scientist interaction	2	100
5	Animal health camp	2	100
6	Plant health camp	2	100
7	Swachhata programme	4	200
8	Ex trainees meet	2	100
9	Soil health camp	2	100
10	Awareness campaign		
	i. Health benefits of millets	2	100
	ii. Nutritional gardening for family health	1	50
	iii. Soil health management	1	50
	iv. BPH management in rice	1	100
	v. Natural farming	1	100

E. Technological products

Sl.No.	Item	No. of farmers	Quantity
1.	HYV rice	35	11 q
2.	Vegetable seeds	10	20 kg
3.	QPM-vegetables	100	25,000
4.	QPM- fruits	100	2,000
5.	Spawn (paddy straw and oyster)	20	800
6.	Poultry chicks, 21 days old	20	500
7.	Vermicompost bags	10	10
8.	Azolla bags + azolla	10	10
9.	Plant Protection Kit	10	10
10.	Plankton net	15	15
11.	Conditioning happa	15	15
12.	AFLs (100mm)	10	5000
13.	SFLs	10	5000

Sd/ A Das/07.10.23
Sr. Scientist & Head
KVK, Kendrapara