SCSP ACTION PLAN (2024-25)

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ACTION PLAN FOR SCSP 2023-24 OF KVK KORAPUT

Introduction:

Koraput district is an important agrarian district of the state where more than 80 % of the population depends on Agriculture. According to the 2011 census, out of the total population of the district, the schedule caste population is 1, 96,540 (14.25%).The male SC population is 96,789 and female SC population is 99,751. Boriguma, Jeypore, Nandapur, Boipariguda and Lamataput blocks of the district are dominated in SC population.

SCSP programme is a special scheme of ICAR for which separate fund is given to carry out activities meant for SC communities. This KVK is receiving funds under this scheme every year.

The objectives with which this program will be implemented at KVK, Koraput are

1. To demonstrate potential technologies which can enhance their income and livelihoods of SC people.
2. To improve the skill and competency of farmers and rural youths.
3. To aware the SC farmers regarding improved technologies for income generations.
4. To provide quality planting materials and other inputs.

Selection of villages and beneficiaries:

Villages with SC dominated population who are engaged in agriculture and allied activities for their livelihoods will be selected for implementation of various outlined activities. Only SC beneficiaries will be selected under each activity assessing their needs, technology gaps, available resources etc. To accomplish the objectives following activities will be carried out with special focus on SC communities of SC dominated villages. The programmes to be undertaken have been enumerated below

a) Frontline Demonstration
b) Training
c) Other extension activities
d) Critical Input distribution

ABSTRACT OF PROPOSED ACTIVITIES

Name of activity	No. of activity	Beneficiaries/ No.
FLD	8	250
Field Days	8	400
Training	24	720
Publications	11	5500
Extension Activities		
(i) Farmers fair- cum- F-S interaction	02	100
(ii) Method Demonstration	06	325
(iii) Soil Health Camp	06	300
(iv) Animal Health Camp	05	250
(v) Exposure Visit	02	40
(vi) Technological week celebration	07	210
(vii) SHG Convention meet	03	150
(viii) FPO Conclave	02	60
(ix) Ex-trainees meet	02	100
(x) Swachhata activity programme	06	300
(xi) Group meeting	12	240
QPM & Other critical input distribution	-	200000 nos. & 600 kg
Distribution of Fingerlings	-	150000
Promotion of Custom hiring centre	-	02
(xii) Demo unit	05	05

(A) FRONTLINE DEMONSTRATIONS

FLD-1

Title of the FLD with code	:	**Demonstration of multiple disease resistant tomato var. Arka Abhed [24FHO02(R)]**
Thrust Area	:	Varietal Evaluation
Season	:	*Rabi*, 2024-25
Farming Situation:	:	Irrigated medium land
No. of demonstrations (Area)	:	20 (1 ha)
Farmers Practice	:	Cultivation of F1 tomato hybrid(Laxmi)
Details of the technology	:	High yielding F1 hybrid with multiple disease resistance to Tomato Leaf Curl Virus (Ty2+Ty3), Bacterial wilt, Early blight and Late blight (Ph2+ Ph3). Plants are semi-determinate with dark green

		foliage. Fruits are firm, oblate round & medium large (90-100g). Suitable for summer, *Kharif* & *Rabi* cultivation. Suitable for fresh market & avg. yield 70-75 t/ha . Duration - 140-150 days.
Observation parameters	**:**	PDI (%), Yield of Fruit/plant (kg), Yield & Economics
Scientists involved:		Dr. B. Sahoo & Smt. K. Sethi

Extension Activities for FLD	**No. of activities**	**No of participants**
Field Day	1	50

FLD-2

Title of the FLD with code	**:**	**Demonstration on Dragon fruit cultivation [23FHO02(K)]**
Thrust Area	**:**	Exotic high value fruit crop
Season	**:**	*Kharif*, 2024
Farming Situation:	**:**	Irrigated upland
No. of demonstrations	**:**	50
Farmers Practice	**:**	Devoid of dragon fruit cultivation
Details of the technology	**:**	Pink skin white flesh Dragon fruit var. CHES DF-11
Observation parameters	**:**	Plant height (cm), No. of Fruits/plant, Fruit Wt. (g), Yield (q/ha) and Economics
Scientists involved:	**:**	Dr. B. Sahoo & Smt. K. Sethi

Extension Activities for FLD	**No. of activities**	**No of participants**
Field Day	1	50

FLD-3

Title of the FLD with code	:	**Demonstration on rice var. Kalinga dhan-1203 (ORJ-1135) [24FAG01]**
Thrust Area	:	Crop Production
Season	:	*Rabi*, 2024-25
Farming Situation:	:	Irrigated lowland
No.of demonstrations	:	20 (2 ha)
Farmers Practice	:	Rice var. MTU-1001
Details of the technology	:	Rice var. Kalinga Dhan-1203 (ORJ-1135) Avg. grain yield-54.2 kg, Duration-135 days, Plant height-111 cm, Moderately resistant to sheath rot,

		BPH, stem borer & leaf folder
Observation parameters	:	Plant height (cm), No. of tillers/hill, No. of grains/panicle, Panicle length (cm), Yield & Eonomics
Scientists involved:	:	Smt. Sunita Dandasena, Scientist (Agronomy)

Extension Activities for FLD	**No. of activities**	**No of participants**
Field Day	1	50

FLD-4

Title of the FLD with code	:	**Demonstration on rice variety KOLAB (IET 25295) [**24FAG02]
Thrust Area	:	Crop Production
Season	:	*Rabi*, 2024-25
Farming Situation:	:	Irrigated lowland
No.of demonstrations	:	20 (5 ha)
Farmers Practice	:	Rice variety MTU-1001
Details of the technology	:	Rice var. Kolab (IET 25295) Duration-130 days, Avg yield potential of 53 q/ha, long slender grain and moderately resistant to Leaf Blast, Neck Blast, Sheath Rot, Brown leaf spot, Grain discolouration, BPH and Gall midge
Observation parameters	:	Plant height (cm), No. of tillers/hill, No. of grains/panicle, Panicle length (cm), Yield & Eonomics
Scientists involved:	:	Smt. Sunita Dandasena, Scientist (Agronomy)

Extension Activities for FLD	**No. of activities**	**No of participants**
Field Day	1	50

FLD-5

Title of the FLD	:	**Demonstration of improved poultry breed Rhode Island Red/ Kuroiler in backyard for higher income generation**

Thrust Area	:	Income generation activity
Season	:	*Rabi*, 2024-25
Farming Situation:	:	Backyard
No.of demonstrations	:	50 (2000 nos.)
Farmers Practice	:	Desi or nondescriptive birds from local seller
Details of the technology	:	30-35 days old brooded chicks along with scheduled vaccination in the backyard rearing system.
Observation parameters	:	Avg. body weight at 45 and 90 days and egg laying capacity, market demand
Scientists involved:		Sri. Binod Chandra Behera, Scientist (Ag. Extension)

Extension Activities for FLD	**No. of activities**	**No of participants**
Field Day	1	50

FLD-6

Title of the FLD	:	Demonstration of Oyster mushroom
Thrust Area		Income generating activity
Season & year	:	Rabi 2024-25
Farming Situation:	:	Home stead
No. of demonstrations	:	50 units (500)
Farmers Practice	:	Growing of P. florida strain of oyster mushroom
Details of the technology	:	Supply of quality spawn (Blue oyster), appropriate substrate, processing, pasteurization and bag management.
Observation parameters	:	Yield (Kg/bed) Profitability
Scientists involved:		Sri. Binod Chandra Behera, Scientist (Ag. Extension)

Extension Activities for FLD	**No. of activities**	**No of participants**
Field Day	1	50

FLD-7

Title of the FLD with code	**:**	**Demonstration on application of OUAT consortia biofertiliser in cauliflower [24OSS12(R)]**
Thrust Area	**:**	Soil health management
Season	**:**	Rabi, 2024-25
Farming Situation:	**:**	Irrigated medium land
No. of demonstrations	**:**	20

Farmers Practice	**:**	Application of chemical fertilizer @ 120:40:30 kg $N:P_2O_5:K_2O$ /ha
Details of the technology	**:**	STD+ inoculation of OUAT consortia bio-fertilisers to pre-limed (5%) 300 Kg FYM/VC (1:25) incubated for 7 days at 30% moisture and applied in the rhizosphere on the day of planting
Observation parameters	**:**	Soil available N,P,K, SOC, curd yield, economics
Scientists involved:	**:**	Sri Sabek Kumar Hantal ,SMS(Soil Science)

FLD-8

Title of the FLD with code	:	Demonstration of Vermicomposting by using poly vermin bed. [23FSS18(K)]
Thrust Area		Soil health management
Season & year	:	*Rabi*, 2024-25
Farming Situation:	:	Homestead/upland
No. of demonstrations	:	20 units(10 SHG)
Farmers Practice	:	FYM production
Details of the technology	:	Vermicomposting with available wastes by using polythene bag (size-12'x4'x3') with release of earthworm (*Eisenia foetida*)
Observation parameters	:	Vermicompost yield economics (kg/bag)
Scientists involved:		Sri Sabek Kumar Hantal, SMS (Soil Science)

Extension Activities for FLD	**No. of activities**	**No of participants**
Field Day	1	50

(B) TRAINING

Sl. No.	**Title of Training**	**Duration**	**On/off-campus**	**Type of Participants**	**No. of participants**
1.	Good agricultural practices of Tomato	1	Off	F/FW	30
2.	Vegetable seedling raising in polybags	1	Off	F/FW	30

3.	Package of practices of Ivy gourd	1	Off	F/FW	30
4.	Package of practices of Turmeric & post harvest management	1	On	F/FW	30
5.	Improved method of oyster mushroom cultivation	1	Off	F/FW	30
6.	Rearing of back yard poultry for more income	1	Off	F/FW	30
7.	Development of kitchen garden for nutritional security	1	Off	F/FW	30
8.	Production of mushroom by using different substrate	1	Off	F/FW	30
9.	Use of women friendly farm equipment for drudgery reduction	1	Off	F/FW	30
10	Different income generating activities for farmer, farmwomen & landless wrt to agriculture & allied sector.	1	Off	F/FW	30
11	Role of Natural farming in Agriculture	1	Off	F/FW	30
12	Seed production techniques in Ragi and Niger	1	Off	F/FW	30
13	Organic cultivation practices in Millets	1	Off	F/FW	30
14	Value addition in millets	1	Off	F/FW	30
15	Integrated farming system for higher income generation	1	Off	F/FW	30
16	Integrated crop management in Rice and pulse based cropping system	1	Off	F/FW	30

17	Use of vermicompost and organic manure for sustainable yield	1	Off	F/FW	30
18	Significance of foliar spray of urea phosphate in pulse crops	1	Off	F/FW	30
19	Nutrient management in aromatic Rice for higher income generation	1	Off	F/FW	30
20	Production technology for raising Azolla	1	Off	F/FW	30
21	Significance of Nano urea and Nano DAP in productivity enhancement in Rice	1	Off	F/FW	30
22	Use of bio-fertilizer in specific reference to organic farming in vegetable crops.	1	Off	F/FW	30
23	Importance of soil testing and balance fertilizer application in high value spice and condiments.	1	Off	F/FW	30
24	Apiculture for higher income generation	1	Off	F/FW	30

C) Other Extension Activities

Sl No.	Title	Participants/ Number
1.	**Animal Health Camp**	**5**
2.	**Soil Health Camp**	**6**
3.	**Filed Day**	**8**
4.	**Farmers fair- cum-F-S interaction**	**2 (100 farmers)**

5.	**Exposure Visit**	**2 (40 farmers)**
6.	**Technological Week Celebration**	
	(i) Vermicompost production	**10**
	(ii) Mushroom cultivation	**50**
	(iii) Seed production of Ginger	**30**
	(iv) Seed production of turmeric	**30**
	(v) Seed production of Tuber crops	**30**
	(vi) Development of nutri-garden for nutritional security	**50**
	(vii) Apiculture for higher income generation	**10**
7.	**Popularisation of drudgery reduction implements for farmwomen** 1. Hand Weeder-40 nos. 2. Trench hoe-40nos. 3. Bhindi plucker-40 nos. 4. Fruit Plucker-40nos. 5. Maize Sheller-40nos. 6. Garden rake-40nos. 7. Digger-40nos. 8. Improved Sickle-40nos. 9. Sprayer-40nos. 10. Khurpi-40nos. 11. Garden rake-40nos. 12. Rose Cane-40nos. 13. Trowel-40nos. 14. Pick axe-40nos. 15. Spade- 40 nos.	**615 nos**

D) METHOD DEMONSTRATIONS

Sl. No.	Title of method demonstrations	No. of activity	No. of participants

1	**Vermicompost production technology**	**2**	**50**
2	**Seed treatment in pulses through microbial culture**	**2**	**50**
3	**Mushroom bed preparation**	**2**	**50**
4	**Nursery bed preparation**	**1**	**25**
5	**Azolla cultivation**	**2**	**50**
6	**Seed treatment of Rhizome treatment technique in ginger for controlling rhizome rot**	**1**	**50**
7	**Plant propagation techniques in fruit crop**	**1**	**50**

E) Promotion of Custom hiring centre

Name of the Items	Quantity
(i) Cycle weeder	**10**
(ii) Manual Maize sheller	**10**
(iii) Manual Ground nut decorticator	**10**
(iv) 8 row marker	**10**
(v) Wheel finger weeder	**10**
(vi) Sprayer	**10**

F) QUALITY PLANTING MATERIALS

Name of the Items	Quantity (nos./kg)
Tomato	**30000**
Onion	**100000**
Cabbage	**50000**
Chilli	**10000**
Papaya	**1500**
Drumstick	**1500**
Black Pepper	**1000**
Cardamom	**500**
Bamboo	**1000**

Mushroom Spawn	**2000**
Cinnamon	**2000**
Coffee	**500**
Elephant foot yam	**300 kg**
Yam	**300 kg**

G) **PUBLICATIONS**

Sl.No.	Title of publication	Type	No.of copies
1	**Adaa chasa**	**Booklet**	**500**
2	**Haladi chasa**	**Leaflet**	**500**
3	**Dragon fruit chasa**	**Leaflet**	**500**
4	**Phala o paniparibа prakriyakarana padhati**	**leaflet**	**500**
5	**Harada Chasa**	**Leaflet**	**500**
6	**Mitha maka chasa**	**leaflet**	**500**
7	**Jaibika Krushi padhati**	**Leaflet**	**500**
8	**Matira swasthya parichalana**	**Leaflet**	**500**
9	**Jiakhata o Nadep compost prastuti pranali**	**Booklet**	**500**
10	**Palachatu Chasa**	**Leaflet**	**500**
11	**Safe use of pesticides**	**Leaflet**	**500**

H) Demo Units to be developed for the farmers:

Sl no.	Demo unit	No.
1.	**Commercial floriculture unit**	**01**
2.	**Azolla unit**	**01**
3.	**Liquid compost unit**	**01**
4.	**Biodiversity conservation unit**	**01**

5.	**Medicinal unit**	**01**

S/d-
Senior Scientist & Head
KVK, Koraput