SCSP ACTION PLAN 2024-25

KVK, BOUDH

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ACTION PLAN FOR SCSP 2024-25 OF KVK BOUDH

SCSP program 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, Boudh are

1. To demonstrate potential technologies which can enhance their income and livelihoods
2. To assess and validate specific frontline technologies for raising income of SC people
3. To improve the skill and competency in application of new technologies
4. To ensure access to quality seed and other technological products

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.

a) Front line Demonstration
b) Training
c) Production of seed, QPM and other techno products
d) Other extension activities

ABSTRACT OF PROPOSED ACTIVITIES

Sl No.	Name of activity	No. of activity	Beneficiaries
a.	FLD	15	260
b.	Field Days	05	250
c.	Training : Farmers & Farmer women	13	390
d.	Training : Rural Youth	04	80
e.	Method Demonstrations	06	120
f.	Soil testing	100	300
g.	Publications	08	4,000
h.	Seed, QPM, and other techno. product production		
i.	Exposure visits	02	50
j.	Farmers Fair cum Agril Exhibition	01	300
k.	Group Discussion	06	150
l.	Soil Health Camp	02	60
m.	Animal Health Camp	02	100
n.	Plant Health Camp	02	100
o.	Method Demonstration	06	180
p.	Swachhata Programme	02	60
q.	F-S interaction	02	200
r.	Field Day	05	250
s.	Publications	08	4000
t.	Success story	02	02
u.	Diagnostic Field Visit	50	500
v.	Radio Talk	10	-

(A) FRONTLINE DEMONSTRATION

FLD-1

Title of the FLD	:	**Demonstration on Nursery raising of vegetables**
Thrust Area	:	Income generation
Season	:	Round the year (2024-25)
Farming Situation:	:	Irrigated upland
No.of demonstrations	:	10
Farmers Practice	:	Seed sowing with normal practices
Details of the technology	:	Seed treatment, line sowing Preparation of bed & management, low-costpolytunnel
Observation parameters	:	% of germination, seedling survival %
Scientists involved:		**Dr. Samapika Dalai. SMS (Horticulture)**

Extension Activities for FLD	**No. of activities**	**No of participants**
Awareness cum training	1	30

FLD-2

Title of the FLD	:	**Demonstration on early maturing Dashehari mango grafts**
Thrust Area	:	Income generation
Season	:	Rabi- (2024-25)
Farming Situation:	:	Irrigated upland
No.of demonstrations	:	10
Farmers Practice	:	Planting of grafted Dashehari mango seedlings with normal package of practices.
Details of the technology	:	High Density Planting System
Observation parameters	:	-
Scientists involved:		**Dr. Samapika Dalai. SMS (Horticulture)**

Extension Activities for FLD	**No. of activities**	**No of participants**
Awareness cum training	1	30

FLD-3

Title of the FLD	**:**	**Demonstration on high valued vegetable crops (Broccoli, Coloured 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	**:**	30
Farmers Practice	**:**	Normal package of practices
Details of the technology	**:**	High yielding varieties, of high valued vegetable crops
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:		**Dr. Samapika Dalai. SMS (Horticulture)**

Extension Activities for FLD	**No. of activities**	**No of participants**
Awareness cum training	1	30

FLD-4

Title of the FLD	**:**	**Demonstration on 300 Jack fruits under plantation programme during Kharif**
Thrust Area	**:**	Plantation
Season	**:**	Kharif - (2024)
Farming Situation:	**:**	Rainfed upland
No.of demonstrations	**:**	10
Farmers Practice	**:**	Plantation programme in KVK Campus
Details of the technology	**:**	Planting of Jackfruits (Khajara) with high density planting system with normal package of practices.
Observation parameters	**:**	-
Scientists involved:		**Dr. Samapika Dalai. SMS (Horticulture)**

Extension Activities for FLD	**No. of activities**	**No of participants**
Awareness cum training	1	30

FLD-5

Title of the FLD	**:**	**Demonstration on white onion varieties Bhima Safed and Bhima sweta**
Thrust Area	**:**	Varietal evaluation
Season	**:**	Kharif 2024-25
Farming Situation:	**:**	Rainfed up land
No.of demonstrations	**:**	10
Farmers Practice	**:**	Cultivation of farmers' own variety
Details of the technology	**:**	Cultivation of white onion varieties Bhima Safed and Bhima sweta **Bhima Safed:**A medium maturing (110-120 DAT) Kharif season onion variety. Bulbs are attractive white in colour, round to oval shape. The average marketable yield is 185-200q/ha with good keeping quality. **Bhima Sweta:**A medium maturing (110-120 DAT) Kharif season onion variety. Bulbs are attractive white in colour, round in shape. The average marketable yield is 200q/ha with medium keeping quality and tolerant to thrips.
Observation parameters	**:**	Vegetative parameters: Plant height (cm), leaf length (cm), No of leaves, collar thickness (cm), Neck thickness. Yield and Quality parameters: Pollar diameter (cm) and equatorial diameter (cm) of bulb, Average Bulb wt. (g), Total bulb yield/plot, Total bulb yield/ha. And no. Of rings.
Scientists involved:		**Dr. Samapika Dalai. SMS (Horticulture)**

Extension Activities for FLD	**No. of activities**	**No of participants**
Awareness cum training	1	30

FLD-6

Title of the FLD	:	**Demonstration on Honey bee rearing**
Thrust Area	:	Income generation
Season	:	Kharif 2023-24
Farming Situation:	:	Irrigated
No.of demonstrations	:	10
Farmers Practice	:	Farmers are not rearing honey bee
Details of the technology	:	Colony installation, Hive management, Hive separation, Harvesting technique
Observation parameters	:	No of harvesting, Yield/box/harvesting
Scientists involved:		**Sri Tapan Kumar Das, Sr. Scientist & Head**

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

FLD-7

Title of the FLD	:	**Demonstration on Sucking Pest Management in Cotton**
Thrust Area		Pest management
Season	:	Kharif- 2024
Farming Situation:	:	Upland Rainfed conditions
No.of demonstrations	:	10
Farmers Practice	:	Indiscriminate use of pesticides
Details of the technology	:	Planting of maize as border crop around the field, intercropping of cowpea @ 8:2 ratio. Application of Azadirachtin 0.15%@ 1.5 Lit./ ha twice @ 30 & 45 DAS Application of Flonicamid 50% WG @ 175 gm/ha twice at 60 and 70 DAS
Observation parameters	:	No. of sucking pests/3 leaves
Scientists involved:		**Sri Tapan Kumar Das, Sr. Scientist & Head**

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

FLD-8

Title of the FLD	:	**Demonstration on Management of Stem Borer in Rice**
Thrust Area		IPM
Season	:	Kharif- 2024
Farming Situation:	:	Rainfed upland
No.of demonstrations	:	10
Farmers Practice	:	Farmers are applying phorate @ 10kh/ha, chloropyriphus
Details of the technology	:	Release Trichogramma*chilonis*@ 20,000/acre thrice at 7 days intervals. First release will be done at 30 DAT. One spray of Rynaxypyr 150 ml/ha and one spray of spinetoram 6%+methoxyfenozide 30% SC @ 400 ml/ha alternately at 15 days and 45 DAT
Observation parameters	:	No of insect/plant, % of infestation, yield/ha.
Scientists involved:		**Sri Tapan Kumar Das, Sr. Scientist & Head**

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

FLD-9

Title of the FLD	:	**Demonstration on Production of paddy straw mushroom using threshed straw/Crumbled straw for income generation**
Thematic Area	:	Income generation
Season	:	Kharif 2024
Farming Situation:	:	Homestead/Backyard
No.of demonstrations	:	10
Farmers Practice	:	Cultivation of Paddy straw mushroom by using bundle paddy straw with normal practice (soaking in water 8-10 hr), paddy straw 7 kg, pulse powder 3%, Spawn- 3%, BE-10%
Details of the technology	:	Cultivation of Paddy straw mushroom by using threshed paddy straw by soaking in water 5 hr+ paddy straw 5 kg+ pulse powder 3% Spawn- 3%, Biological efficiency-15%
Observation parameters	:	Pin head appearance(days) spawn run period(days), bud weight (gm) Biological efficiency (%) Yield (kg/bed)
Scientists involved:		**Mrs. Sasmita Pal, Scientist (Home. Science)**

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

FLD-10

Title of the FLD	:	**Demonstration of blue oyster mushroom var. *Hypsizygous ulmarius*-**
Thematic Area	:	Income generation
Season	:	Rabi 2024-25
Farming Situation:	:	Homestead
No. of demonstrations	:	10
Farmers Practice	:	Cultivation of *P. sajarcajju*(Temperature:20^0-30^0 c)
Details ofthe technology	:	Cultivation of blue oyster mushroom var. *Hypsizygousulmarius*-Cutting of paddy straw 2-3" size, soaking in lime (1%) for 6-7hrs, draining of straw (moisture content 65%), 40x80 cm^2 polythene bed (Temp:18^0-30^0 c)
Observation parameters	:	Yield, Biological efficiency, net income, B:C ratio.
Scientists involved:		**Mrs. Sasmita Pal, Scientist (Home. Science)**

Extension Activities for FLD	**No. of activities**	**No of participants**
Awareness cum training	2	50

FLD-11

Title of the FLD	:	**Demonstration on Nutri-garden for nutrition security of farm families**
Thrust Area		Nutrition security
Season	:	Round the year
Farming Situation:	:	homestead
No.of demonstrations	:	10
Farmers Practice	:	Irregular and unsystematic Nutritional Gardening with seasonal vegetables
Details of the technology	:	Nutritional garden with Protein, Vitamins&iron-rich vegetables and fruits with family preference Growing vegetables around the year covering leafy vegetables, Solanaceous vegetables, Roots and Tubers, cucurbits suiting to consumption pattern with floriculture, Spices, Medicinal Plants in bunds + Two Papaya, One Lemon, one drumstick and two Banana Plants 1. Trellis structure with PP rope for raising cucurbits 2. Pro-tray / low-cost polytunnel for raising seedlings in small quantities + Cement tank for vermicomposting
Observation parameters	:	Vegetable consumption (g/member/day) RDA %,Additional income per annum
Scientists involved:		**Mrs.Sasmita Pal, Scientist (Home.Science)**

Extension Activities for FLD	**No. of activities**	**No of participants**
Awareness camp	1	50

FLD-12

Title of the FLD	:	**Demonstration on marigold**
Thematic Area	:	Income generation
Season	:	Rabi 2024-25
Farming Situation:	:	Irrigated Medium land
No. of demonstrations	:	10
Farmers Practice	:	Cultivation of Local variety
Details ofthe technology	:	Cultivation of high yielding variety Bidhan Marigold-2 Spacing (60x45) cm
Observation parameters	:	Gross cost (Rs/ha), Gross return(Rs/ha),Net return(Rs/ha),B:C ratio
Scientists involved:		**Mrs. Sasmita Pal, Scientist (Home. Science)**

Extension Activities for FLD	**No. of activities**	**No of participants**
Awareness cum training	2	50

FLD-13

Title of the FLD	:	**Demonstration on Crysanthemum**
Thematic Area	:	Income generation
Season	:	Rabi 2024-25
Farming Situation:	:	Irrigated Medium land
No. of demonstrations	:	10
Farmers Practice	:	Cultivation of variety Madhuri
Details of the technology	:	Cultivation of high yielding variety Sweta white in colour, spacing 60 cm X 60 cm
Observation parameters	:	Gross cost (Rs/ha), Gross return(Rs/ha),Net return(Rs/ha),B:C ratio
Scientists involved:	:	**Mrs. Sasmita Pal, Scientist (Home. Science)**

Extension Activities for FLD	**No. of activities**	**No of participants**
Awareness cum training	2	50

FLD-14

Title of the FLD	:	**Demonstration on Backyard Poultry farming for additional income.**
Thrust Area	:	Income generation
Season	:	Round the year (2023-24)
Farming Situation:	:	Backyard
No.of demonstrations	:	50
Farmers Practice	:	Farmers are rearing desi bards
Details of the technology	:	Vaccination, rearing management, low cost feeding management
Observation parameters	:	Body weight, Body mass index, Egg laying capacity
Scientists involved:		**Dr. Mayuri sing Sardar, SMS (Agril.Extension)**

Extension Activities for FLD	**No. of activities**	**No of participants**
Training for RY & Farm women	2	40

FLD-15

Title of the FLD	:	**Demonstration on Paddy variety-Swarna Shreya**
Thrust Area	:	Crop production
Season	:	Kharif, 2024
Farming Situation:	:	Rainfed low Land
No.of demonstrations	:	50
Farmers Practice	:	Rice Variety Pooja
Details of the technology	:	Medium Duration (120-125days), High yielding,drought tolerant high yielding (38.33 q/ha) high resistance to leaf blast disease and moderately resistance to neck blast, brown spot, sheath rot and RTD.
Observation parameters	:	Effective tillers/ $m^{2,}$ No of filled grains/ Panicle, 1000 grain weight
Scientists involved:		**Dr. Mayuri Sing Sardar, SMS (Agril.Extension)**

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

FLD-16

Title of the FLD	:	**Demonstration on Vermicompost Production for better utilization of agro waste**
Thrust Area		Income generation through homestead agro waste management
Season	:	Round the year 2024-25
Farming Situation:	:	Homestead/Backyard
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 @1 kg/qt of substrate
Observation parameters	:	Yield, BC ratio
Scientists involved:		**Dr. Mayuri Sing Sardar & Harapriya Sethy**

Extension Activities for FLD	**No. of activities**	**No of participants**
Training	1	30

FLD-17

Title of the FLD	:	**Demonstration on seedling raising technique of vegetable crops by using pro-tray**
Thrust Area		Nursery raising
Season	:	Rabi 2024-25
Farming Situation:	:	Irrigated upland
No. of demonstrations	:	10
Farmers Practice	:	Raising vegetable seedling in open field on bed by using soil and FYM
Details of the technology	:	The seedling tray (pro tray) is filled with the growing medium (moistened coco peat). One seed per cell is sown and covered with medium and covered with polythene sheet to ensure the conservation of moisture till germination. The trays are irrigated lightly. Drenching the trays with fungicides as a precautionary measure against seedling mortality is also being done. Spraying of 0.3 percent (3g / liter) water soluble fertilizer using poly feed (19 all with trace elements) twice (12 and 20 days after sowing) for enhancing the growth of the seedlings. The seedlings would be ready in about 21-30 days for transplanting to the main field depending upon the crop.
Observation parameters	:	% of seedling mortality, seed germination %, Number of days required from seed sowing to transplanting (days), Seedling height (cm)
Scientists involved:		**Dr. Mayuri Sing Sardar, SMS (Agril. Extension)**

Extension Activities for FLD	**No. of activities**	**No of participants**
Training for RY & farm women	1	25

FLD-18

Title of the FLD	:	**Demonstration on Sweet corn cultivation**
Thrust Area		Crop production technology and income generation
Season	:	Rabi 2024-25
Farming Situation:	:	Irrigated medium land
No. of demonstrations	:	10 (area 2.00 ha)
Farmers Problem		Lower income from rice pulse cropping system
Farmers Practice	:	Raising vegetable seedling in open field on bed by using soil and FYM
Details of the technology	:	Cultivation of sweet corn, soil test based fertilizer application with need based plant protection measure
Observation parameters	:	Green Cob yield, Economics.
Scientists involved:		**Dr. Mayuri Sing Sardar, SMS (Agril. Extension)**

Extension Activities for FLD	**No. of activities**	**No of participants**
Field Day	1	30

(B) **ON FARM TESTING: NIL**

(C) TRAINING

Sl No.	Particulars	No.of Trainings	Duration (days)	Type (On/ Off)
Plant Protection				
i.	Integrated management of BPH/WBPH in Kharif & Rabi Rice	01	01	OFF
ii.	Integrated fall armyworm management in Kharif maize	01	01	OFF
iii.	Integrated BLB disease management in Paddy	01	01	OFF
iv.	Integrated sucking pest management in cotton	01	01	ON
v.	Different PP chemicals and their formulation and method of use in crops.	01	01	ON
Horticulture				
i.	Nursery management in vegetable crops for enhancing farmers income	01	05	ON
ii.	Grafting techniques in fruits and vegetable crops	01	05	ON
Agril.Extension				
i.	Extension strategies for linking farmers with market	01	01	OFF
ii.	Adverse effect of residue burning and alternative way of rice residue management	01	01	OFF
iii.	Role of farmer producer organization in strengthening farmers' economy	01	01	ON
iv.	Development of Integrated farming system for small & marginal farmers	01	05	ON
v.	Better utilization of organic waste through vermicompost production	01	05	ON
Home Science				
i.	Commercial Mushroom Cultivation	01	05	ON

(D) Rural Youth Training

Sl. No	Title	No. of Trainings	Duration (days)	Type (On/Off)
i.	Rural Entrepreneurships development through income generating activities	01	02	ON
ii.	Agri -preneurship development towards self sufficiency	01	02	ON
iii.	Safe use of PP Chemicals and use of different spray equipment	01	02	ON
iv.	Safe application of chemical pesticides in Rabi vegetables.	01	02	ON

(E) Production of Quality Planting Material

Sl No.	Activity	Intervention	No.of beneficiary
1.	Vegetable seedlings	QPM of Vegetables (Brinjal, Tomato, Chilli, cole crops, Papaya, Onion, Drumsticks)	100
2.	Flower production	Quality Planting Material of Marigold, Chrysanthemum	50
3.	Fruit production	Mango graft	100

(F) OTHER TECHNO PRODUCTS

Sl No.	Techno Product	No. of Quantity	No.of beneficiary
1	HDPE Vermi Bed for preparation of vermicompost	10 Nos	10
2	Azolla bags for Azolla production	10 Nos	10
3	Biocontrol products (Pheromone trap, Tricho card, Yellow sticky trap)	300 Nos	150
4	Mushroom Spawn (Paddy straw and Oyster)	1000 Spawn	50
5	Duckery (Distribution of Ducklings)	200 Nos	20
6	Poultry (Banaraja, Rain Booster, Suneli 21 days old chicks)	2000 Nos	100

(E) METHOD DEMONSTRATIONS PROGRAMME

Sl.No.	Title of method demonstrations	No. of Activity	No. of participants
1.	Azolla nursery management	1	20
2.	Seedling production in low-cost poly tunnels	1	20
3.	Beekeeping	1	20
4.	Mushroom bed preparation in shed net house	2	50
5.	Use of Tricho card, pheromone trap, yellow sticky trap	2	50
6.	Seedling raising in Pro tray	1	20

(F) SOIL AND WATER TESTING

Activity	No. of Samples	No. Of SHC
Testing of Soil Samples and the issue of soil health cards	100	300

(G) PUBLICATION

Sl.No.	Title of publication	Type	No.of copies
1	Vermicompost Production	Booklet	500
2	Jaibik Krushi Koushala	Booklet	500
3	Mahila Upojogi Unnata Krushi Jantrapati	Booklet	500
4.	Arthakari fasala :Sajana Chasa	Booklet	500
5.	Panipariba Chasare dekha jauthiba aswavabik bikar	Booklet	500
6.	Baigyanika pranalire chhattu manji utpadana	Booklet	500
7.	Improved package of practices of Cotton Cultivation	Booklet	500
8.	Jaibika pranalire Dhana Phasalare kita niyantrana	Booklet	500

(H) EXPOSURE VISITS

`Sl.No.	No. of visit	No of Participants
1	02	50

(J) Other Extension Activities

Sl. No.	Name of the Activity	No. of Activity	No. of participants
1.	Exposure visits	02	50
2.	Farmers fair cum Agril Exhibition	01	300
3.	**Awareness Programme**		
3.a	Health benefits of Millets	01	30
3.b	Nutrional gardening for family health	01	30
3.c	Soil health management	01	30
3.d	BPH management in Rice	01	30
3.e	Natural Farming	01	30
3.f	Vermicompost production	01	30
3.g	Nursery Raising of vegetables	01	30
4.	Group Discussion	06	150
5.	Soil Health Camp	02	60
6.	Animal Health Camp	02	100
7.	Plant Health Camp	02	100
8.	Method Demonstration	06	180
9.	Swachhata Programme	02	60
10.	F-S interaction	02	200
11.	Field Day	05	250
12.	Publications	08	4000
13.	Success story	02	02
14.	Diagnostic Field Visit	50	500
15.	Radio Talk	10	-

(I) **Agro-Service center:** For establishment of an Agro-Service center at SCSP Village following Implements are required.

- Rotavator
- Paddy reaper
- Power tiller
- Power weeder
- Battery operated knapsack sprayer
- power operated sprayer
- Seed-cum-fertilizer drill

Sd/-
Sr. Scientist & Head
KVK, Boudh