

ACTION PLAN

Year: 2025-26

Scheme: SCSP

KVK, BOUDH



KRISHI VIGYAN KENDRA, BOUDH



ODISHA UNIVERSITY OF AGRICULTURE & TECHNOLOGY, BHUBANESWAR

ICAR ATARI, KOLKATA

At-Paljhar, P.O.-Salunki, Dist-Boudh, Pin-762026

E-mail: kvkboudh.ouat@gmail.com, kvk.boudh@ouat.ac.in

ACTION PLAN FOR SCSP 2025-26 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 demonstrate the proven technologies that help the SC communities to enhance their income and livelihoods.
3. To create/increase capability for self-employment/wage employment of the SCs to bring their income level at par with the general population.
4. To up-grade traditional skills of occupational groups
5. To improve the skill and competency in the application of new technologies.
6. To ensure access to quality seed and other technological products.
7. To provide the basic minimum services to improve the quality of lives.
8. To ensure access to quality inputs and technological know-how.
9. To ensure food and nutritional security through immediate benefit.

Selection of villages and beneficiaries

Villages with SC dominated population who are engaged in agriculture and allied activities for their livelihoods are 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 of various proven technologies.
- b) Training for capacity building and exposure visit.
- c) Need based activities.
- d) Other extension activities.
- e) Income generating activities.

ABSTRACT OF PROPOSED ACTIVITIES

Sl No.	Name of activity	No. of activity	Beneficiaries
a.	FLD	18	255
b.	Field Days	06	300
c.	Training : Rural Youth	02	20
d.	Training : Vocational		
e.	Method Demonstrations	08	390
f.	Soil testing	100	300
g.	Publications	09	4500
h.	Seed, QPM, and other techno. product production	-	-
i.	Exposure visits	02	50
j.	Farmers Fair cum Agril Exhibition	01	200
k.	Group Discussion	05	150
l.	Soil Health Camp	02	60
m.	Animal Health Camp	02	100
n.	Plant Health Camp	02	100
o.	SwachhataProgramme	02	60
p.	F-S interaction	02	200
q.	SHG convenor meet	01	30
r.	Ex-trainee sammelan	01	100
s.	Entrepreneur meet	01	30
t.	FPO meet	01	30
u.	Success story	02	02
v.	Diagnostic Field Visit	50	500
w.	Radio Talk	10	-
x.	Awareness Campaign	10	300

SCSP 2025-26

A. ON FARM TESTING: NIL

B. FRONTLINE DEMONSTRATION: 14 Nos.

Title of the FLD	:	Demonstration on high yielding rice variety Chandragiri
Thrust Area	:	Varietal Substitution, Crop production
Season	:	Kharif 2025-26
Farming Situation:	:	Rainfed medium land
No.of demonstrations	:	25
Farmers Practice	:	Jamuna,Naveen,
Details of the technology	:	Chandragiri :- OUAT Kalinga Rice-9, also known as Chandragiri, is a rice variety developed by the Odisha University of Agriculture and Technology (OUAT). It is known for its semi-dwarf plant stature, early maturity (around 110 days), and high yield potential. This variety is well-suited for irrigated medium and upland areas. Plant Height: Approximately 110 cm. Yield: Average yield of 5,170 kg/ha. Grain Type: Long bold. Cooking Quality: Excellent. Other characteristics: Moderately resistant to sheath rot, blasts, and Brown Plant Hopper (BPH).
Observation parameters	:	No. of tillers/m ² ,No of grains/panicle, Test weight,
Scientists involved:		Kabita Mishra, Scientist (Agronomy)

FLD-1

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

FLD-2

Title of the FLD	:	Demonstration of integrated nutrient management in fingermillet
Thrust Area	:	INM
Season	:	Kharif (2025-26)
Farming Situation:	:	Rainfed upland
No.of demonstrations	:	10
Farmers Practice	:	FYM@1.0t/ha,fertilizer@ 20-0-0kgN-P ₂ O ₅ -K ₂ O /ha
Details of the technology	:	50% RDN through vermicompost +Biofertilizers (Azotobacter,Azospirillum and PSB@ 4kg each/ha)
Observation parameters	:	No of tillers/m ² , No of fingers/plant, Test weight(g),Yield(Qtl/ha)
Scientists involved:		Kabita Mishra, Scientist (Agronomy)

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

FLD-3

Title of the FLD	:	Demonstration of weed management in maize
Thrust Area	:	Weed management
Season	:	Rabi- (2025-26)
Farming Situation:	:	Irrigated upland
No.of demonstrations	:	10
Farmers Practice	:	Hand weeding at 25 DAS
Details of the technology	:	Pre-emergence application of Atrazine 1000g/ha followed by post emergence application of Tembotrione 34.4 SC @290ml/ha at 20-25 DAS
Observation parameters	:	Weed density, WCE(%) ,No of cobs/plant, Yield/ha
Scientists involved:		Kabita Mishra, Scientist (Agronomy)

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

FLD-4

Title of the FLD	:	Demonstration on Kharif onion varieties <i>Agri Found Dark Red</i> for crop diversification and enhanced income
Thrust Area	:	Income generation
Season	:	Kharif 2025
Farming Situation:	:	Rainfed up land
No.of demonstrations	:	20
Farmers Practice	:	No kharif onion cultivation
Details of the technology	:	Cultivation of Kharif onion varieties <i>Agri Found Dark Red</i> <i>Agri Found Dark Red: Cultivation of AGFDR</i> , Duration- 90-100 DAT, Bulb size-4-6 cm, Colour-Dark Red, Yield-250-300 q/ha, planting of 45 days old seedling with spacing 20x15 cm in the month of July, NPK dose 100:50:50, 50 kg sulphur /ha, need-based PP measures.
Observation parameters	:	Vegetative parameters: Plant height (cm), leaf length (cm), No of leaves, collar thickness (cm), Neck thickness. Yield and Average Bulb wt. (g), Total bulb yield/plot, Total bulb 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-5

Title of the FLD	:	Demonstration on low cost poly-tunnel nursery raising of vegetables
Thrust Area	:	Income generation
Season	:	Round the year (2025-26)
Farming Situation:	:	Irrigated upland
No.of demonstrations	:	20
Farmers Practice	:	Traditional method of nursery raising in soil filled bed
Details of the technology	:	Nursery raising in poly-tunnel Preparation of bed and management in low cost poly-tunnel
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-6

Title of the FLD	:	Demonstration on cultivation of tuberose var. Prajwala
Thrust Area	:	Income Generation
Season	:	Rabi- (2025-26)
Farming Situation:	:	Irrigated Medium Land
No.of demonstrations	:	10
Farmers Practice	:	Cultivation of tuberose variety: Kolkata double
Details of the technology	:	Cultivation of variety Prajwala with spacing 30cm x 20 cm, NPK: 200:200:200 kg/ha.
Observation parameters	:	No.of flowers/plant, Yield q/ha
Scientists involved:		Dr.Samapika Dalai. SMS (Horticulture)

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

FLD-7

Title of the FLD	:	Demonstration on Drumstick variety PKM-1
Thrust Area	:	Income Generation
Season	:	Kharif- (2025)
Farming Situation:	:	Irrigated Medium Land
No.of demonstrations	:	10
Farmers Practice	:	Cultivation of local type drumstick
Details of the technology	:	Drumstick (PKM-1),Bushy type, flower in 90 to 100 days , 65-70 cm long & elongated fruit, Yield: 33-35 kg /plant
Observation parameters	:	No. of fruits/plant, Yield q/ha
Scientists involved:		Dr.Samapika Dalai. SMS (Horticulture)

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

FLD-8

Title of the FLD	:	Demonstration on Honey bee rearing for better livelihood support
Thrust Area	:	Income generation
Season	:	Kharif 2025-26
Farming Situation:	:	Irrigated Medium land
No.of demonstrations	:	10
Farmers Practice	:	Farmers are not rearing honey bee and unutilized backyard.
Details of the technology	:	Bees of <i>Apis cerena indica</i> , floral management, , colony installation, Hive management, Hive separation swarming management, disease management, Harvesting technique of honey extraction
Observation parameters	:	No of harvesting, Yield/box/harvesting, Economics.
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 Sucking Pest Management in Cotton
Thrust Area		Pest management
Season	:	Kharif- 2025
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-10

Title of the FLD	:	Demonstration on Integrated management of white fly and YMV in greengram
Thrust Area		IPM
Season	:	Rabi 2025-26
Farming Situation:	:	Rainfed medium land
No.of demonstrations	:	10
Farmers Practice	:	Farmers are applying chloropyriphus during leaf yellowing stage
Details of the technology	:	Seed treatment with Imidacloprid 600 FS @ 5 ml/kg of seed + Installation of Yellow Sticky Traps @ 50/ha + Spraying of Neem oil formulation 0.15% @ 2 ml/l of warer at 30 DAS + Diafenthiuron 50% WP @ 1 gm/l at 45 DAS
Observation parameters	:	% of infestation, No. of white flies/plant, No of jassids/plant, No of affected plan/m ² Yield (q/ha), Net return (Rs/ha) B:C ratio,
Scientists involved:		Sri Tapan Kumar Das, Sr. Scientist & Head

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

FLD-11

Title of the FLD	:	Demonstration of blue oyster mushroom var. <i>Hypsizygousulmarius</i>-
Thematic Area	:	Income generation
Season	:	Rabi 2025-26
Farming Situation:	:	Homestead
No. of demonstrations	:	10
Farmers Practice	:	Cultivation of <i>P. sajarcajju</i> (Temperature: 20 ⁰ -30 ⁰ c)
Details of the technology	:	Cultivation of blue oyster mushroom var. <i>Hypsizygousulmarius</i> -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-12

Title of the FLD	:	Demonstration on Nutri-garden for nutrition security of farm families
Thrust Area		Nutrition security
Season	:	Round the year (2025-26)
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-13

Title of the FLD	:	Demonstration on marigold
Thematic Area	:	Income generation
Season	:	Rabi 2025-26
Farming Situation:	:	Irrigated Medium land
No. of demonstrations	:	10
Farmers Practice	:	Cultivation of Local variety
Details of the 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-14

Title of the FLD	:	Demonstration on Crysanthemum
Thematic Area	:	Income generation
Season	:	Rabi 2025-26
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-15

Title of the FLD	:	Demonstration on of improved poultry breed (Aseel, Kadaknath,Vanaraja) in backyard for additional income.
Thrust Area	:	Income generation
Season	:	Round the year (2025-26)
Farming Situation:	:	Backyard
No.of demonstrations	:	50
Farmers Practice	:	Backyard poultry with desi birds
Details of the technology	:	Vaccination, rearing management, low cost feeding management.
Observation parameters	:	Body weight, Egg laying capacity and Economics.
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	20

FLD-16

Title of the FLD	:	Demonstration on Azolla production
Thrust Area		Non availability of suitable protein feeds/green manure
Season	:	Round the year (2025-26)
Farming Situation:	:	Homestead
No.of demonstrations	:	10 (1 no bed per beneficiary)
Farmers Practice	:	No use of azolla.
Details of the technology	:	Azola bed size (8*4*1 ft) with azolla species
Observation parameters	:	Production/bed (kg/bed), B:C ratio
Scientists involved:		Dr. Mayuri Sing Sardar , SMS(Agril. Extension)

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

FLD-17

Title of the FLD	:	Demonstration on natural farming technologies for Soil health and crop pests managements in Vegetables.
Thrust Area		Eco-friendly nutrient & pest management.
Season	:	Rabi 2025-26
Farming Situation:	:	Irrigated Upland
No. of demonstrations	:	10
Farmers Practice	:	Spray of un-prescribed chemicals.
Details of the technology	:	Soil application of Jeevamrit@2L/dm area + Application of Neemastra and Brahmastra @ 4% spray at 15 days interval as a preventive pest care against sucking pests, borer etc and sour butter milk @20ml/L against fungal diseases.
Observation parameters	:	Yield, pest infestations, Economics.
Scientists involved:		Dr. Mayuri Sing Sardar , SMS(Agril. Extension)

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

FLD-18

Title of the FLD	:	Demonstration on Sweet corn cultivation or livelihood improvement
Thrust Area		Crop production technology and income generation
Season	:	Rabi 2025-26
Farming Situation:	:	Irrigated medium land
No. of demonstrations	:	10 (area 2.00 ha)
Farmers Practice	:	Cultivation of hybrid maize
Details of the technology	:	Cultivation of sweet corn variety Sugar-75 with RDF and need based management practices
Observation parameters	:	Green cob yield (qtl /ha), Cob length(cm), Cob girth(cm) and economics.
Scientists involved:		Dr. Mayuri Sing Sardar, SMS (Agril. Extension)

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

C. TRAINING

❖ Vocational Training

Sl No.	Particulars	No.of Trainings	Duration (days)	Type (On/Off)	Nos. Of Participants
Agronomy					
1.	Advanced techniques in quality Paddy seed production	01	05	ON	20
Horticulture					
2.	Grafting techniques in fruits and vegetable crops	01	05	ON	20
Plant Protection					
3.	Bee box maintenance & management.	01	05	ON	20
Agril.Extension					
4.	Promotion of startups and Entrepreneurship in Agriculture and allied sectors.	01	05	ON	20
Home Science					
5.	Entrepreneurship development through secondary agriculture.	01	05	ON	20

❖ Rural Youth Training :

Sl No.	Particulars	No.of Trainings	Duration (days)	Type (On/Off)	Nos. Of Participants
Agril. Extension					
1.	Market research and opportunity assessment in Agri enterprises.	01	02	ON	20
2.	Improved method of Vermicompost production for livelihood security	01	02	ON	20

D. Production of Quality Planting Material

Sl No.	Activity	Intervention	No. of beneficiary	Remarks
1.	Vegetable seedlings productions	QPM of Vegetables (Brinjal, Tomato, Chilli, cole crops, Papaya, Onion, Drumsticks)	100	QPM will be distributed under demonstration program
2.	Flower production	Quality Planting Material of Marigold, Chrysanthemum	50	QPM will be distributed under demonstration program
3.	Fruit production	Mango graft	100	Distribution will be done under demonstration program

E. OTHER TECHNO PRODUCTS

Sl No.	Techno Product	No. of Quantity	No. of beneficiary	Remarks
1.	Azolla bags for Azolla production	10 Nos	10	Distribution will be done under demonstration program
2.	Biocontrol products (Pheromone trap, Tricho card, Yellow sticky trap)	300 Nos	150	Distribution will be done under demonstrations and other extension activities
3.	Mushroom Spawn (Paddy straw and Oyster)	500 Spawn	50	Distribution will be done under demonstrations and other extension activities
4.	Organic manures	Vermicompost , Azolla, vermiwash, Veri worm	30	Distribution will be done under demonstrations and other extension activities and final products can be utilized in their kitchen garden
5.	Poultry (Banaraja, Rain Booster, Suneli 21 days old chicks)	2000 Nos	100	Distribution will be done under demonstration program

F. METHOD DEMONSTRATIONS PROGRAMME

Sl.No .	Title of method demonstrations	No. of Activity	No. of participants
1.	Azolla cultivation in poly pit	1	30
2.	Seedling production in low-cost polytunnels	1	30
3.	Artificial feeding method of bee in lean season	1	30
4.	Mushroom bed preparation in shed net house.	3	90
5.	Use of Tricho card, pheromone trap, yellow sticky trap.	2	60
6.	Seedling raising in Protray.	2	60
7.	Organic Inputs preparation(Jeevamrut, Neemastra, Dashparni ark etc)	2	60
8.	Vermicompost Production	1	30
9.	Preparation of Neemastra, Brahmastra	1	30
	Total	13	390

G. SOIL AND WATER TESTING

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

H. PUBLICATION

Sl.No.	Title of publication	Type	No.of copies
1	Samanwita Ghasa Parichalana	Booklet	500
2	Unnata Pranalire Mandia Chasa	Booklet	500
3.	Arthakarifasala :Sajana Chasa	Booklet	500
4.	Adinia Panipariba Chasa	Booklet	500
5.	Mahila Upojogi Unnata Krushi Jantrapati	Booklet	500
6.	Baigyanika pranalire chhattu manji utpadana	Booklet	500
7.	Kapa fasalre mukhya rogopoko o tar samannita porichalana	Booklet	500
8.	Jaibika pranalire Dhana Phasalare kitaniyantrana	Booklet	500
9.	FPO for overall development of Farming Community	Booklet	500

I. 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	200
3.	Group Discussion	05	150
4.	Soil Health Camp	02	60
5.	Animal Health Camp	02	100
6.	Plant Health Camp	02	100
7.	Method Demonstration	08	390
8.	SwachhataProgramme	02	60
9.	F-S interaction	02	200
10.	SHG convenor meet	01	30
11.	Ex-trainee sammelan	01	100
12.	Entrepreneur meet	01	30
13.	FPO meet	01	30
14.	Field Day	06	300
15.	Publications	09	4500
16.	Success story	02	02
17.	Diagnostic Field Visit	50	500
18.	Radio Talk	10	-
19.	Awareness Programme	10	300

K. **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