

ACTION PLAN

Year: 2026-27

Scheme: SCSP

KVK, BOUDH



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ACTION PLAN FOR SCSP 2026-27 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
1.	OFT	01	05
2.	FLD	15	165
3.	Field Days	09	270
4.	Training : Rural Youth	02	20
5.	Training : Vocational	05	100
6.	Method Demonstrations	09	360
7.	Soil testing	100	300
8.	Publications	05	2500
9.	Seed, QPM, and other techno. product production	-	-
10.	Exposure visits	01	25
11.	Farmers Fair cum Agril Exhibition	01	50
12.	Group Discussion	05	150
13.	Soil Health Camp	02	60
14.	Animal Health Camp	01	100
15.	Plant Health Camp	01	100
16.	SwachhataProgramme	03	60
17.	F-S interaction	01	50
18.	SHG convenor meet	01	30
19.	Ex-trainee sammelan	01	50
20.	Entrepreneur meet	01	30
21.	FPO meet	01	30
22.	Success story	02	02
23.	Diagnostic Field Visit	50	500
24.	Radio Talk	10	Mass
25.	Awareness Campaign	05	250

ACTION PLAN UNDER SCSP 2026-27

A. ON FARM TESTING: 1 no.

OFT-1

Season	Kharif 2026
Title of the OFT	Assessment of nano urea liquid fertilizer in rice
Thematic Area	Nutrient Management
Problem diagnosed	Opportunity for application convenience, cost reduction and minimization of soil acidity development associated with soil application of urea
Production system	Rice based farming system
Micro farming system	Irrigated/Rainfed transplanted, medium-shallow lowland
Treatments	
Farmers Practice (FP)	Soil application 100 % RDN (25% basal + 50% tillering + 25% PI stage)
Technology option-I (TO-I)	Soil application of 75 % RDN (25% RDN basal + 50% RDN tillering) + 2 sprays Nano urea 4 % @1250ml/ha per spray at tillering and PI stage
Technology option-II (TO-II)	Soil application of 50 % RDN (25% RDN basal + 25% RDN tillering)+ 2 sprays Nano urea 16 % @1250ml/ha per spray at tillering and PI stage
Technology option-II (TO-III)	Soil application of 75 % RDN (25% RDN basal + 50% RDN tillering) + 2 sprays Nano urea 16 % @1250ml/ha per spray at tillering and PI stage
Management practices	Except nitrogen, other management practices such as variety, spacing, P, K doses (100 % P & K as basal), PP measures, to remain same for FP & all Tos, RDF : 80-40-40 kg/ha
Area	1 ha
No. of Replications	5
Observation parameters	Plant height, No. of tillers/m ² , no. of effective tillers/m ² , grains/panicle, 1000 grain weight (g), grain yield, BC ratio, cost saving on N

B. FRONTLINE DEMONSTRATION: 15 Nos.**FLD-1**

Title of the FLD	:	Demonstration on high yielding rice variety MTU 1001.
Thrust Area	:	Varietal Substitution, Crop production.
Season & Year	:	Kharif 2026.
Farming Situation:	:	Rainfed medium land.
No.of demonstrations	:	15.
Farmers Practice	:	Jamuna,Naveen.
Details of the technology	:	MTU 1001 (also known as Vijetha) is a high-yielding, mid-duration paddy variety. It features • Grain Type: Medium slender, straw-coloured grains. • Maturity Duration: 120 to 125 days in Kharif; 135 to 140 days in Rabi. • Plant Height: Typically around 115 cm (42 - 44 inches) with sturdy stems. • Tillering: Exhibits high tillering capacity, maximizing productive shoots per square meter. • Yield Potential: Strong yield range of 60 to 67 quintals per hectare. • Disease & Pest Tolerance: Demonstrates solid tolerance to Brown Planthopper (BPH) and Blast diseases. • Ecology: Best suited for rainfed semi-uplands, lowlands, and irrigated conditions. • Cooking Quality: Features good cooking and eating qualities, which help it fetch premium prices in the market
Observation parameters	:	No. of tillers//m ² ,No of grains/panicle, Test weight.
Scientists involved:		Dr Kabita Mishra, Scientist (Agronomy)

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 finger millet.
Thrust Area	:	INM.
Season & Year	:	Kharif 2026.
Farming Situation:	:	Rainfed upland.
No.of demonstrations	:	10
Farmers Practice	:	Application of 20-0-0kgN-P ₂ O ₅ -K ₂ O /ha.
Details of the technology	:	STBF(75% N+75% P+Full K)+Azotobacter 4kg/ha+ Azospirillum 4kg/ha+ PSB 4kg/ha inoculated to 300 kg of FYM mixed with 15 kg lime.
Observation parameters	:	No of tillers/m ² , No of fingers/plant, Test weight(g),Yield(Qtl/ha).
Scientists involved:		Dr 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 integrated weed management in Groundnut.
Thrust Area	:	Weed management.
Season & Year	:	Rabi, 2026-27.
Farming Situation:	:	Irrigated mediumland.
No.of demonstrations	:	10.
Farmers Practice	:	Hand weeding at 25 DAS.
Details of the technology	:	Pre emergence application of Oxyfluorfen@300ml/ha+one hand weeding at 30DAS.
Observation parameters	:	Weed density,WCE(%) ,No of cobs/plant,Yield/ha.
Scientists involved:		Dr 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 nutrient management in Greengram.
Thrust Area	:	Nutrient management.
Season & Year	:	Rabi, 2026-27.
Farming Situation:	:	Irrigated medium lowland.
No.of demonstrations	:	10
Farmers Practice	:	No application of fertiliser.
Details of the technology	:	STBF+FYM 2t/ha+Rhizobium+ Ammonium molybdate@10g/25kg seed followed by rhizosperic application of 4kg PSM/ha mixed with FYM+ LIME 0.2 LR.
Observation parameters	:	No of pods/plant,,No of seeds/pod, Test weight, Yield/ha.
Scientists involved:		Dr Kabita Mishra, Scientist (Agronomy)

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

FLD-5

Title of the FLD	:	Demonstration on Kharif onion variety NHRDF K-883 for crop diversification and enhanced income.
Thrust Area	:	Income generation.
Season	:	Kharif 2026.
Farming Situation:	:	Rainfed up land.
No.of demonstrations	:	20
Farmers Practice	:	Onion cultivation in Rabi season.
Details of the technology	:	Cultivation of Kharif onion variety NHRDF K-883 . NHRDF K-883: High yielding kharif onion variety Duration- 80-90 DAT, Bulb size-5.25-5.81 cm, Colour-Dark Red with shiny skin, 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	:	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-6

Title of the FLD	:	Demonstration on high value fruit crop: Dragon fruit
Thrust Area	:	Promotion of high value fruit crop
Season	:	Rabi- (2026-27)
Farming Situation:	:	Irrigated Medium Land
No.of demonstrations	:	10
Farmers Practice	:	Cultivation of traditional fruit crops
Details of the technology	:	Cultivation of dragon fruit var. American beauty
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 Eco-friendly management of pod borer complex in pigeonpea.
Thrust Area		Eco-friendly management of pod borer complex through IPM in pigeonpea.
Season	:	Kharif-2026
Farming Situation:	:	Rainfed upland.
No.of demonstrations	:	10
Farmers Practice	:	Farmers are not following the proper management practices during the need of application or any proper insecticides. Farmers are applying non targeted pesticides in improper dose like chloropyriphus, cypermethrin , trizophus etc.
Details of the technology	:	Application of Azadirachtin 0.15% at 50 % flowering stage can minimize the pest infestation to 40 % and application of Spinosad 45 SC and Enamectin Benzoate 5 SG alternatively at 15 days interval can 90 % reduced the pod borer complex in pigeonpea crop.
Observation parameters	:	No. of damaged pods/plant, % of infestation, Yield, ICBR.
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 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/m2 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-9

Title of the FLD	:	Demonstration on IDM practices for viral disease management in Watermelon.
Thrust Area		Eco-friendly Integrated Disease Management of viral diseases in watermelon.
Season	:	Summer 2026-27.
Farming Situation:	:	Irrigated Medium land.
No.of demonstrations	:	10
Farmers Practice	:	Farmers are not taking any type of preventive measures for management of sucking pests like white flies, GLH, pumpkin beetles, thrips, Aphids etc. by application of proper pesticides. They are applying fungicides like Carbendazim+mancozeb and chloropyriphus during viral infestation time.
Details of the technology	:	Demo: Integrated approach like planting of maize crop as border crop 15 days before watermelon sowing, application of pesticides in sequential method with weekly interval alternatively to minimize the sucking pests like white flies, GLH, pumpkin beetles, thrips, Aphids etc. to minimize the spreading of viral infection.
Observation parameters	:	PDI (%), Cost of intervention, Yield, ICBR and farmers' feedback Yield (q/ha), Additional income over additional investment and B:C ratio Yield & 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-10

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 2025
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-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. sajarcaiju</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 marigold.
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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-13

Title of the FLD	:	Demonstration on natural farming technologies for Soil health and crop pests managements in Vegetables.
Thematic 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
Awareness cum training	1	30

FLD-14

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-15

Title of the FLD	:	Demonstration on Vermicompost Production for better utilization of agro waste.
Thrust Area		Income generation through homestead agro waste management and Soil health management.
Season	:	Round the year (2025-26).
Farming Situation:	:	Homestead/Backyard.
No. of demonstrations	:	10
Farmers Practice	:	FYM Production.
Details of the technology	:	Composting cow dung and available wastes in the ratio of 1:4 in the vermicompost polythene bag size of 6'x4'x3' with release of earthworm (variety: <i>Eisenia foetida</i>) @ 1kg per quintal of waste material.
Observation parameters	:	Vermicompost yield (Kg/bag), economics.
Scientists involved:		Dr. Mayuri Sing Sardar , SMS(Agril. Extension)

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

C. TRAINING

❖ Vocational Training

Sl No.	Particulars	No.of Trainings	Duration (days)	Type (On/Off)	Nos. Of Participants
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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.	HDPE Vermi Bed for	10 Nos.	10	Distribution will be done under

	preparation of vermicompost			demonstration program
2.	Azolla bags for Azolla production	10 Nos.	10	Distribution will be done under demonstration program
3.	Biocontrol products (Pheromone trap, Tricho card, Yellow sticky trap)	300 Nos.	150	Distribution will be done under demonstrations and other extension activities
4.	Mushroom Spawn (Paddy straw and Oyster)	500 Spawn.	50	Distribution will be done under demonstrations and other extension activities
5.	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
6.	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 for Livestock Feed.	1	30
2.	Seedling production in low-cost polytunnels.	1	30
3.	Artificial feeding method of bee in lean season .	1	30
4.	Scientific Mushroom bed preparation in shed net house.	1	30
5.	Use of Tricho card, pheromone trap, yellow sticky trap.	2	60
6.	Nursery Seedling raising in Protray.	2	60
7.	Preparation of Bio-inputs for Natural Farming.	2	60
8.	Preparation and Application of Vermicompost Production.	1	30
9.	Preparation of Quality Mushroom Spawn.	1	30
	Total	14	360

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.	Arthakarifasala :Sajana Chasa.	Booklet	500
3.	Tailabij fasalre rogo o poko parichalana.	Booklet	500
4.	Baigyanika pranalire chhattu manji utpadana.	Booklet	500
5.	FPO for overall development of Farming Community.	Booklet	500

I. EXPOSURE VISITS

Sl.No.	No. of visit	No of Participants
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1	01	25
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J. Other Extension Activities

Sl. No.	Name of the Activity	No. of Activity	No. of participants
1.	Exposure visits	01	25
2.	Farmers fair cum Agril Exhibition	01	200
3.	Group Discussion	05	150
4.	Soil Health Camp	02	60
5.	Animal Health Camp	01	100
6.	Plant Health Camp	01	100
7.	Method Demonstration	09	360
8.	SwachhataProgramme	03	60
9.	F-S interaction	01	50
10.	SHG convenor meet	01	30
11.	Ex-trainee sammelan	01	50
12.	Entrepreneur meet	01	30
13.	FPO meet	01	30
14.	Field Day	06	300
15.	Publications	05	2500
16.	Success story	02	02
17.	Diagnostic Field Visit	50	500
18.	Radio Talk	10	Mass
19.	Awareness Programme	05	250

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