



ACTION PLAN

2022-23

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, boudhkvk@yahoo.com

ACTION PLAN FOR SCSP 2021-22 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) Frontline Demonstration
- b) Training
- c) Production of seed, QPM and other techno products
- d) Other extension activities

ABSTRACT OF PROPOSED ACTIVITIES

Name of activity	No. of activity	Beneficiaries
FLD	10	170
Field Days	10	500
Training	27	615
Method Demonstrations	5	215
Soil testing	100	400
Publications	3	1500
Seed, QPM, other techno product production	50000	200
Exposure visits	4	100
Farmers fair	1	300
Awareness programme	5	250
Group Discussion	10	200

Animal Health Camp	02	50
Farmers fair cum- F-S interaction	4	100

(A)FRONTLINE DEMONSTRATION

FLD-1

Title of the FLD	:	Demonstration on Nursery raising of vegetables
Thrust Area	:	Income generation
Season	:	Rabi 2022-23
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 cost poly tunnel
Observation parameters	:	% of germination, seedling survival %, % of seedling mortality, No. of days required from seed sowing to transplanting(days) seedling height.
Scientists involved:		Smt Harapriya Sethi.

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

FLD-2

Title of the FLD	:	Demonstration on Backyard Poultry farming
Thrust Area	:	Income generation
Season	:	Kharif 2022-23
Farming Situation:	:	Irrigated
No.of demonstrations	:	20
Farmers Practice	:	Farmers are rearing desi bards
Details of the technology	:	Improved poultry breed, brooding technique, vaccination, low cost feeding management, rearing management
Observation parameters	:	Avg.bodywt. egg production economics
Scientists involved:		Miss Mayuri singh Sardar

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

FLD-3

Title of the FLD	:	Demonstration on Honey bee rearing
Thrust Area	:	Income generation
Season	:	Kharif 2022-23
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	:	Bees of <i>Apis cerana indica</i>, floral management, honey extraction, colony division, swarming management, disease management
Scientists involved:		Sri Tapan Kumar Das & Sri Bikram Parimanik

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

FLD-4

Title of the FLD	:	Demonstration on Production of paddy straw mushroom using threshed straw/Crumbled straw for income generation
Thrust Area	:	Income generation
Season	:	Kharif 2022-23
Farming Situation:	:	Homestead/backyard
No.of demonstrations	:	40
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:		Miss. Mayuri singh sardar

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

FLD-5

Title of the FLD	:	Demonstration on oyster mushroom variety of <i>Hypspizygus ulmarius</i>
Thrust Area	:	Income generation
Season	:	Rabi 2022-23
Farming Situation:	:	Homestead/backyard
No.of demonstrations	:	40
Farmers Practice	:	Cultivation of oyster mushroom variety <i>Pleurotus sajorcaju</i> , Biological efficiency- 79%
Details of the technology	:	Cultivation of oyster mushroom variety <i>Hypspizygus ulmarius</i> Biological efficiency- 92.5%
Observation parameters	:	Pin head appearance (days) Biological efficiency (%) Yield (kg/bed)
Scientists involved:		Miss. Mayuri singh sardar

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

FLD-6

Title of the FLD	:	Demonstration on Short Duration Paddy variety-MTU-1156
Thrust Area	:	Crop production
Season	:	Kharif, 2022

Farming Situation:	:	Medium, Rainfed Land
No.of demonstrations	:	10
Farmers Practice	:	Rice Variety Pooja
Details of the technology	:	Short duration (115 days), High yielding, non-lodging variety, tolerant to BPH and blast, 2 weeks dormancy.
Observation parameters	:	Effective tillers/ m ² , No of filled grains/Panicle, 1000 grain weight
Scientists involved:		Smt. Sasmita Priyadarshini

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

FLD-7

Title of the FLD	:	Demonstration on Hybrid Maize-Kalinga Raj
Thrust Area	:	Income generation
Season	:	Kharif 2022
Farming Situation:	:	Irrigated Upland
No.of demonstrations	:	10
Farmers Practice	:	Cultivation of normal Corn.
Details of the technology	:	Suitable for kharif season Av. yield: 79.5 q/ha, duration: 92 days, resistant to rust, downy mildew, charcoal rot fusarium stalk and tolerant to drought.
Observation parameters	:	Ear Length, Ear Diameter, No. of cobs per Plant, Yield per ha
Scientists involved:		Smt. Sasmita Priyadarshini

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

FLD-8

Title of the FLD	:	Demonstration of nutritional garden for ensuring Nutritional Security of farm family
Thrust Area		Nutritional security
Season	:	Round the year , 2022-23

Farming Situation:	:	Homestead/backyard
No.of demonstrations	:	20
Farmers Practice	:	Kitchen garden without proper planning and management
Details of the technology	:	Nutritional garden with Protein, Vitamin & iron rich vegetables and fruits with consumers preference.Trellis structure with PP rope for raising cucurbits: 2. Pro-tray for raising seedlings in small quantity + 3. cement ring tank for vermi composting, Growing vegetables round the year covering leafy vegetables, sola , Solanaceous vegetables, Roots and Tubers, cucurbits suiting to consumption pattern + Two Papaya Plants ,One Lemon, one drumstick and two Banana and floriculture in bunds
Observation parameters	:	Consumption of vegetables/day(Kg),Availability of vegetable/day (Kg), Mean increase in consumption of vegetables and fruits compared to RDA (%)
Scientists involved:		Miss. Mayuri Singh sardar(SMS, Agril.Extension) & Smt Harapriya Sethi.

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- 2022
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
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Extension Activities for FLD	No. of activities	No of participants
Field Day	1	50

FLD-10

Title of the FLD	:	Demonstration on Management of Stem Borer in Rice
Thrust Area	:	IPM
Season	:	Kharif- 2022
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 interval . 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

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

(B) ON FARM TESTING: NIL

(C) TRAINING

Training Abstract

Sl. No	Discipline	Total no. of Trainings	F/FW	RY
1	Crop production	6	4	2
2	Plant protection	6	5	1
3	Horticulture	7	6	1

4	AgriL.Extension	6	4	2
5	Agro-Forestry	2	2	0
	Total	27	21	6

Sl No.	Particulars	No.of Trainings	Duration (days)	Type (On/Off)
1.	Integrated Nutrient management in Paddy	01	01	ON
2.	Training on methods of preparation of Vermicompost	01	02	ON
3.	Training on Soil Testing and Soil Health Management	01	02	ON
4.	Training on Natural farming and Organic Farming	01	02	ON
5.	Integrated management of rice nursery bed	01	02	OFF
6.	Training programme on bee box management	01	02	ON
7.	Integrated sucking pest management in cotton	01	02	ON
8.	Integrated BLB disease management in paddy	01	02	OFF
9.	Different PP chemicals and their formulation and method of use in crops.	01	02	ON
10.	INM in brinjal	01	02	ON
11.	Training of agrotecniques of kharif onion	01	02	ON
12.	Use of plant growth regulator in vegetable	01	02	ON

13	Development of nutri-garden for nutritional security	01	02	ON
14	Protected cultivation of vegetables	01	03	ON
15	Training on Nursery Raising of vegetables	01	02	ON
16	Cultivation of paddy straw mushroom using threshed straw	01	02	ON
17	Backward poultry for livelihood support to farm women	01	02	ON
18	Good agricultural practices and enhanced resources use efficiency for doubling farmers income	01	02	OFF
19	Role of farmer producer organization in strengthening farmers economy	01	03	ON
20	Teak Farming	01	03	ON
21	Forest Nursery and Its management	01	02	ON

(D) Rural Youth Training

Sl. No	Title	No. of Trainings	Duration (days)	Type (On/Off)
i.	Integrated Nutrient Management and its importance in Sustainable Agriculture	01	02	ON
ii.	Awareness on different Organic Formulations such as Amritpani, Jeevaamritetc for organic food production.	01	02	ON
iii.	Post harvest management of vegetables	01	02	ON
iv.	Safe application of chemical pesticides in Rabi vegetable crop (Tomato, brinjal, chilli)	01	02	ON
v.	Income generation through understanding of marketing strategy and marketing channel	01	02	ON
vi.	Post harvest management and its value addition of oyster mushroom	01	02	ON

(E) PRODUCTION OF SEED, QUALITY PLANTING MATERIAL AND OTHER TECHNO PRODUCTS

Activity	Intervention	No.of beneficiary
Vegetable and fruit production	QPM of Brinjal, Tomato, Chilli, Cole crops, Papaya, banana sucker, drumsticks, capsicum	50
Flower production	Marigold	20
Organic manures	Vermicompost, Azolla	20
Mushroom	Spawn (Paddy straw and Oyster)	50
Duckery	Ducklings	20
Poultry	Banaraja, Rain Booster	50

(F) METHOD DEMONSTRATIONS

Sl.No.	Title of method demonstrations	No.of activity	No.of participants
1	Azolla nursery management	2	50
2	Seedling production in low cost poly tunnels	1	20
3	Trellis system for cucurbits	1	25
4	Bee keeping	1	20
5	Mushroom bed preparation	4	100
5	Use of Tricho card, pheromone trap	1	25
6	Nursery bed preparation	1	25
7	Preparation of jiba Amrit	1	25

(G) Demonstration of Fruit Crop

Name of the fruit crop	Variety	No. of demonstration	Farming situation
Mango	Dasheri, Amrapali	50	Upland Irrigated

(H) SOIL AND WATER TESTING

Activity	No. of Samples
Testing of Soil Samples and issue of soil health cards	100

(I) PUBLICATION

Sl.No.	Title of publication	Type	No.of copies

1	Uses of Bio-fertilizers in Agriculture	Leaflet	500
2	Booklet on vermi-compost preparation	Booklet	500
3	Vegetable seedling raising	Booklet	500

(J) EXPOSURE VISITS

Sl.No.	No. of visit	No of Participants
1	04	100

(K) Agro-Service centre: For Developing an Agro-Service center at SCSP Village following Implements are required.

- Battery operated knapsack sprayer
- power operated sprayer

(L) Other Extension Activities

Name of activity	No. of activity	Beneficiaries
Exposure visits	4	100
Farmers fair	1	300
Awareness programme	5	250
Group Discussion	10	200
Animal Health Camp	02	50
Farmers fair cum- F-S interaction	4	100
Field day	10	500
Publications	3	1500

Sd/-
Sr. Scientist & Head
KVK, Boudh