ACTION PLAN 2021-22

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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	9	135
Field Days	9	450
Training	40	800
Method Demonstrations	5	215
Soil testing	100	-
Publications	4	-
Seed, QPM, other techno product production	-	200
Exposure visits	2	40

(A) FRONTLINE DEMONSTRATION

FLD-1

Title of the FLD	**:**	Demonstration on Nursery raising of vegetables
Thrust Area	**:**	Income generation
Season	**:**	Rabi 2021-22
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 %
Scientists involved:		Smt Harapriya Sethi & Smt Sasmita Priyadarsini

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	:	Rabi 2021-22
Farming Situation:	:	Irrigated
No.of demonstrations	:	20
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:		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	:	Rabi 2021-22
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 & 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 Mushroom cultivation
Thrust Area	:	Income generation
Season	:	Rabi, 2021-22
Farming Situation:	:	Irrigated
No.of demonstrations	:	40
Farmers Practice	:	Lack of Awareness on scientific cultivation of Mushroom
Details of the technology	:	Bed preparation, bed management ,substrate Management, Introduction of new variety
Observation parameters	:	Yield per 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 vermicompost production
Thrust Area	:	Soil health management
Season	:	Kharif, 2021
Farming Situation:	:	Homestead
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: *Eiseniafoetida*) @ 1kg per quintal of waste material.
Observation parameters	:	Vermicompost yield (Kg/bag), economics
Scientists involved:		Smt. Sasmita Priyadarshini

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

FLD-6

Title of the FLD	:	Demonstration on Sweet corn cultivation
Thrust Area	:	Income generation
Season	:	Kharif 2021
Farming Situation:	:	Irrigated Upland
No.of demonstrations	:	10
Farmers Practice	:	Cultivation of normal Corn.
Details of the technology	:	Sweet corn- Sugar 75-with enhanced sweetness with a good grain (9.3t/ha) and fodder 16.2 (t/ha)
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-7

Title of the FLD	:	Demonstration on Nutritional gardening
Thrust Area		Income generating activity
Season	:	Rabi 2021
Farming Situation:	:	Backyard cultivation
No.of demonstrations	:	10
Farmers Practice	:	Unaware of growing of seasonal Vegetables
Details of the technology	:	Proper planning & layout
Observation parameters	:	Yield /Quantity of production
Scientists involved:		Miss. Mayuri Singh sardar(SMS, Agril.Extension)

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

FLD-8

Title of the FLD	:	Demonstration on Sucking Pest management in Cotton
Thrust Area		Pest management
Season	:	Kharif- 2021
Farming Situation:	:	Upland Rainfedconditions
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

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

FLD-9

Title of the FLD	:	Demonstration on IPM kit testing in cotton, Rice and pigeonpea
Thrust Area		IPM
Season	:	Kharif- 2021
Farming Situation:	:	Rainfed upland
No.of demonstrations	:	10
Farmers Practice	:	Farmers are applying chloropyriphus, cypermethrin
Details of the technology	:	Installation of yellow sticky trap, pheromone trap Application of neem based pesticide, application of SL NPV @250 LE.
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

Revised FLD:

FLD-10

Title of the FLD	:	Demonstration on IPM in Brinjal
Thrust Area		IPM
Season	:	Kharif- 2021
Farming Situation:	:	Rainfed upland
No.of demonstrations	:	10
Farmers Practice	:	
Details of the technology	:	
Observation parameters	:	
Scientists involved:		Sri Tapan Kumar Das

FLD-11

Title of the FLD	:	Demonstration on Sweet corn cultivation
Thrust Area	:	Income generation
Season	:	Kharif 2021
Farming Situation:	:	Irrigated Upland
No.of demonstrations	:	10
Farmers Practice	:	Cultivation of normal Corn.

Details of the technology	:	Hybrid Maize (TL) var. Kalinga Raj (OMH 14-27) Suitable for kharif ,Average yield of 79.5 q/ha, duration 92 days, and resistant to Rust, Downy-mildew, MLB and TLB.
Observation parameters	:	Ear Length, Ear Diameter, No. of cobs per Plant, Yield per ha
Scientists involved:		Smt. Sasmita Priyadarshini

FLD-12

Title of the FLD	:	Demonstration on Integrated Pest & Disease Management in Watermelon
Thrust Area		IPM & IDM
Season	:	Kharif- 2021
Farming Situation:	:	Rainfed upland
No.of demonstrations	:	10
Farmers Practice	:	Indiscriminate use of insecticides
Details of the technology	:	Rotational spraying of spinetoran @1ml/lit, acetamaprid, 0.5ml/lit, fipronil @1.5ml/lit and alpha-cyhalothrin@ 1ml/lit at weekly interval protectect the crop from viral diseases.
Observation parameters	:	Pest incidence, Disease incidence,Yield.
Scientists involved:		Sri Tapan Kumar Das

FLD-13

Title of the FLD	:	Demonstration on Agri-silvi system
Thrust Area		Agro forestry
Season	:	Kharif- 2021
Farming Situation:	:	Rainfed upland
No.of demonstrations	:	10
Farmers Practice	:	Traditional method of tree growing, No Agro-forestry practice.
Details of the technology	:	Acacia mangium tress are planted at distance of 2.5 mt x 2.5 mt & inter-cropping of turmeric at a spacing of 50 cm x 50 cm
Observation parameters	:	**I.** Tree growth(Height/Diameter) II. Growth of turmeric III. Yield of turmeric
Scientists involved:		Sri Bikram Keshari Parimanik

(B) ON FARM TESTING: NIL

(C) TRAINING

Sl No.	Particulars	No.of Trainings	Duration (days)	Type (On/ Off)
Crop Production				
i.	Scientific method of paddy cultivation and Importance of Line Sowing**.**	01	01	OFF
ii.	Integrated Weed Management in Paddy.	01	01	OFF
iii.	Integrated Nutrient Management inArhar.	01	01	OFF
iv.	Awareness on use of Bio-fertiluzers for sustainable food production and Importance of Organic farming	01	02	ON
v.	Weed Management in pulses and oilseed crops.	01	01	OFF
vi.	Package & practices of Rabi oilseed crop-mustard	01	01	OFF
vii.	Package and practices for cultivation of sweet corn and its market value	02	01	OFF
viii.	Method of Preparation of Vermicompost & Vermi wash	01	02	ON
Plant Protection				
i.	Disease management practices of rice in low land transplanted condition	01	01	OFF
ii.	Integrated pest management of fall army worm in maize	01	01	OFF
iii.	Identification and integrated pest management of viral diseases of vegetables crops	01	01	OFF
iv.	Post-harvest management and storage of rabi onion	01	02	ON
v.	Identification and pest management of kharif onion	01	02	ON
vi.	Identification and management of storage pests of cereals, pulses and oilseed	01	02	ON
vii.	IPM modules for BPH management in low land rainfed rice	01	01	OFF
Horticulture				
i.	INM in brinjal	01	01	OFF
ii.	Training on physiological disorder of tomato	01	01	OFF

iii.	Training of agrotecniques of kharif onion	01	02	ON
iv.	weed management in okra	01	01	OFF
v.	INM in chilli	01	01	OFF
vi.	INM in solanaceous vegetable	01	01	OFF
vii.	Use of plant growth regulator in vegetable	01	02	ON
viii.	off season vegetable cultivation	01	01	OFF
Agril.Extension				
i.	Staggard planting methods in Tomato to avoid glue in Market	01	01	OFF
ii.	Doubling Farmers Income through Integrated Farming System Model	01	01	OFF
iii.	Grading of Agricultural Produce for marketing and storage	01	01	OFF
iv.	Role of Farmer producer organizations in strengthening farmers economy	01	02	ON
v.	Good Agricultural Practices and enhanced resource use efficiency for Doubling Farmer Income	01	02	ON
vi.	Training on marketing linkage on Rabi Onion.	01	01	OFF
vii.	Farm planning for profit maximization	01	01	OFF
Agro-Forestry				
i.	Forest Nursery and Its management	01	01	OFF
ii.	Identification and cultivation of Medicinal plants	01	01	OFF
iii.	Teak Farming	01	02	ON
iv.	Meeting fuelwood requirement through homestead Forestry	01	01	OFF

(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.	Honey Bee rearing	01	02	ON
iv.	Production techniques of paddy straw and oyster mushroom production	01	02	ON

v.	Commercial Nursey raising of Hoticultural crops	01	02	ON
vi.	Protected vegetable cultivation	01	02	ON
vii.	Value addition of fruits & vegetable	02	04	ON
viii.	Vermicomposting	01	02	ON
ix.	Income generation through Poultry Framing	01	02	ON
x.	Post-harvest management of vegetables	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	Bee keeping	1	20
4	Mushroom bed preparation	4	100
5	Use of Tricho card, pheromone trap	1	25

(G) SOIL AND WATER TESTING

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

(H) PUBLICATION

Sl.No.	Title of publication	Type	No.of copies
1	Sucking Pest management on Cotton	Booklet	100
2	Mushroom Cultivation	Booklet	100
3	Honey Bee rearing	Booklet	100
4	Backyard Poultry rearing	Booklet	100

(I) EXPOSURE VISITS

`Sl.No.	No. of visit	No of Participants
1	02	40

(J) Workshop cum Farmers Scientist Interaction Programme

Sl No.	Title	No of Participants
1.	**Organic farming and Natural Farming**	**50**
2.	**Mushroom cultivation**	**50**
3.	**Nutri garden**	**50**
4.	**Backyard Poultry Rearing.**	**50**

(K) Small Equipment

1. **Digital weighing Machine.**
2. **Soil moisture meter.**
3. **Indoor moisture meter for Mushroom lab.**

(L) Training Material: Pen,Writing Pad, Permanent Marker,Duster etc.

(M) Miscellaneous.

NB: OFT is optional , specific & needbased to SC community and no. should be limited

Sd/-
Sr. Scientist & Head
KVK,Boudh