ANNUAL ACTION PLAN

2021

KVK, JAJPUR

OUAT, BHUBANESWAR

REVISED PROFORMA FOR ACTION PLAN 2021

1. Name of the KVK:

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2.Name of host organization :

Address	Telephone		E mail
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3.Training programme to be organized (Dec 2021)

(a) Farmers and farmwomen

Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Month	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
I. Crop Production														
IWM	Integrated weed management in rice	1	1	Off	June, 2021	2	-	-	-	23	-	25	-	25
ICM	Nursery management for quality rice seedling production	1	1	Off	July, 2021	1	-	-	-	24	-	25	-	25
INM	INM in maize and sweetcorn	1	1	Off	Aug. 2021	-	-	-	-	25	-	25	-	25
ICM	INM in sugarcane	1	1	Off	Aug. 2021	2	1	-	-	22	-	24	1	25
INM	Management of problematic soil for higher yield and sustainability	1	1	Off	Sept. 2021	-	-	-	-	25	-	25	-	25
ICM	Intercropping for higher yield and sustainability	1	1	Off	Sept. 2021	-	-	-	-	25	-	25	-	25
ICM	Integrated Farming system for	1	1	Off	Oct.	-	-	-	-	25	-	25	-	25

	livelihood security				2021									
ICM	Low cost vermicompost production in backyard	1	1	Off	Oct. 2021	-	-	-	-	25	-	25	-	25
ICM	Cultivation of stress tolerant rice varieties to mitigate climate change	1	1	Off	Oct. 2021	1	-	-	-	24	-	25	-	25
IWM	Integrated weed management in groundnut	1	1	Off	Nov. 2021	2	1	-	-	22	-	24	1	25
IWM	Integrated weed management in pulse crops (greengram,blackgram)	1	1	Off	Nov. 2021	2	1	-	-	22	-	24	1	25
IWM	Integrated weed Management in sugarcane	1	1	Off	Nov. 2021	-	2	-	-	22	1	22	3	25
ICM	Integrated nutrient management in sunflower	1	1	Off	Dec. 2021	2	1	-	-	22	-	24	1	25
IPM	Safe use of herbicides and insecticides in crops.	1	1	Off	Dec. 2021	-	2	-	-	22	1	22	3	25
II. Soil Health and Fertility Management														
Soil fertility management	Technique of soil sample collection & fertilizer management	1	1	Off	June, 2021	2	1	-	-	22	-	24	1	25
INM	Green manuring in paddy	1	1	Off	July, 2021	1	1	-	-	23	-	24	1	25
INM	Boron deficiency and its control measures in rice	1	1	Off	Aug 2021	3	-	-	-	21	1	24	1	25
INM	Micronutrient deficiency & its control measures in vegetable	1	1	Off	Aug, 2021	2	1	-	-	22	-	24	1	25
Soil fertility management	Technique of soil sample collection & fertilizer management	1	1	Off	Sept, 2021	2	1	-	-	22	-	24	1	25
INM	Bio-fertilizer application in	1	1	Off	Sept	1	-	-	-	23	1	24	1	25

	Vegetable				2021									
INM	Bio-fertilizer and their application in cole crops	1	1	Off	Oct, 2021	-	-	-	-	23	2	23	2	25
Soil fertility management	Method lime application in groundnut	1	1	Off	Oct, 2021	1	-	-	-	23	1	24	1	25
INM	Nutrient supplementation through water soluble fertilizer in tomato	1	1	Off	Nov, 2021	-	-	-	-	20	5	20	5	25
INM	INM in Okra	1	1	Off	Nov, 2021	-	-	-	-	20	5	20	5	25
INM	Nutrient supplementation through foliar application in greengram	1	1	Off	Dec 2021	1	-	-	-	23	1	24	1	25
Soil fertility management	Management of acid soil	1	1	Off	Dec, 2021	-	-	-	-	20	5	20	5	25
III. Horticulture														
Vegetable cultivation	Major diseases & pest of solanaceous crops & their control measures	1	1	Off	June, 2021	1	2	-	-	22	-	23	2	25
Post harvest technology	Sorting, grading & packaging of vegetable	1	1	Off	July, 2021	-	2		-	22	1	22	3	25
INM	Cultivation techniques of papaya	1	1	Off	Aug. 2021	5	-	-	-	20	-	25	-	25
Vegetable cultivation	Cultivation techniques of T.C Banana	1	1	Off	Aug. 2021	-	2	2	-	20	1	22	3	25
INM	Production techniques of marigold	1	1	Off	Sept. 2021	-	2	-	-	22	1	22	3	25
INM	Important medicinal plants and their uses	1	1	Off	Sept. 2021	4	-	-	-	20	1	24	1	25
Vegetable cultivation	Production techniques of tuber crops	1	1	Off	Oct. 2021	-	-	-	-	24	1	24	1	25

Production and management technology	Improved production techniques of cole crops	1	1	Off	Oct. 2021	1	2	1	1	20	-	22	3	25
IPM	Major diseases and pest of cucurbitaceous crop and their control measure.	1	1	Off	Nov. 2021	-	-	-	-	21	4	21	4	25
Yield increment	Cultivation techniques for improving production in pointed gourd	1	1	Off	Nov. 2021	3	1	-	-	18	3	21	4	25
IFS	Vegetable based Integrated farming system for increasing income	1	1	Off	Dec. 2021	3	2	2	1	12	5	17	8	25
Vegetable cultivation	Cultivation techniques of root crops	1	1	Off	Dec. 2021	-	-	-	-	24	1	24	1	25
IV. Plant Protection														
IDM	Integrated management of blast in rice	1	1	Off	Aug. 2021	5	-	-	-	20	-	25	-	25
IPM	Integrated management of foliage feeder in rice	1	1	Off	Aug. 2021	-	2	2	-	20	1	22	3	25
IPM	Integrated management of fruit borer in okra	1	1	Off	Aug. 2021	-	2	-	-	22	1	22	3	25
IPM	Integrated management of fruit borer in okra	1	1	Off	Aug. 2021	-	2	-	-	22	1	22	3	25
IDM	Management of wilting in brinjal	1	1	Off	Aug. 2021	4	-	-	-	20	1	24	1	25
IDM	Integrated management of sheath blight in rice	1	1	Off	Sept. 2021	-	-	-	-	24	1	24	1	25
IDM	Integrated management of leaf spot disease in rice	1	1	Off	Sept. 2021	1	-	-	-	24	-	25	-	25
IPM	Integrated management of sucking pest in chilli	1	1	Off	Oct. 2021	2	1	-	-	22	-	24	1	25
IPM	Integrated management of	1	1	Off	Oct.	2	1	-	-	22	-	24	1	25

	sucking pest in chilli				2021									
IPM	Integrated management of tomato leaf minor	1	1	Off	Dec. 2021	-	2	-	-	22	1	22	3	25
IDM	Integrated management of different fungal disease in pointed gourd	1	1	Off	Nov. 2021	1	-	-	-	24	-	25	-	25
IDM	Integrated management of sucking pest complex in greengram	1	1	Off	Dec. 2021	-	-	-	-	25	-	25	-	25
IPM	Integrated management of sucking pest complex in greengram	1	1	Off	Dec. 2021	2	1	-	-	22	-	24	1	25
IDM	Integrated management of leaf spot disease in groundnut	1	1	Off	Dec. 2021	-	-	-	-	25	-	25	-	25
IV. Agricultural Engineering														
Repair and maintenance of farm machinery & implements	Importance of use of weeder in rice	1	1	Off	Aug. 2021	-	-	-	-	25	-	25	-	25
Repair and maintenance of farm machinery & implements	Use of Rotavator	1	1	Off	Aug, 2021	-	3	-	-	22	-	22	3	25
Post harvest technology	Use of mini dal mill	1	1	Off	Dec. 2021	-	-	-	-	25	-	25	-	25
Repair and maintenance of farm machinery & implements	Use and operation of whole straw paddy thresher	1	1	Off	Sept. 2021	3	2	-	-	18	2	21	4	25
Post harvest technology	Utility of pulse thresher	1	1	Off	Sept, 2021	2	-	1	-	20	2	23	2	25
Drudgery reduction	Small implements for farm women	1	1	Off	Sept. 2021	3	-	-	-	17	5	20	5	25
Installation and maintenance of micro	Use of sprinkler irrigation in pulse	1	1	Off	Oct. 2021	-	-	-	-	21	4	21	4	25

irrigation system														
Repair and maintenance of farm mechinery & implements	Different line sowing implements for cereal and pulses	1	1	Off	Oct. 2021	-	-	-	-	21	4	21	4	25
Installation and maintenance of micro irrigation system	Utility of micro irrigation	1	1	Off	Nov. 2021	-	2	-	-		23	-	25	25
Installation and maintenance of micro irrigation system	Use of mulching	1	1	Off	Dec. 2021	1	1	-	-	23	-	24	1	25
Repair and maintenance of farm mechinery & implements	Care and safety measure during operation of implements	1	1	Off	July, 2021	-	-	2	-	20	3	22	3	25
Value addition	Value addition of tomato	1	1	Off	Dec. 2021	-	-	-	-	20	5	20	5	25
V. Agril. Extension														
CBD	Formation and management of farmers producer group	1	1	Off	May, 2021	5	-	-	-	20	-	25	-	25
CBD	Management of SHGs	1	1	Off	June, 2021	3	-	-	-	22	-	25	-	25
CBD	Organic farming and its role in sustainable development	1	1	Off	July, 2021	2	-	-	-	23	-	25	-	25
CBD	Climate resilient technology for sustainable development	1	1	Off	August, 2021	1	-	-	-	24	-	25	-	25
CBD	Management of SHGs	1	1	Off	Sept. 2021	3	-	-	-	22	-	25	-	25
CBD	Role and importance of ICT in agricultural development	1	1	Off	Sept. 2021	5	-	-	-	20	-	25	-	25

CBD	Role and importance of ITKs in agricultural development	1	1	Off	Oct. 2021	5	-	-	-	20	-	25	-	25
CBD	Alternative livelihood options for resource poor farm family	1	1	Off	Oct. 2021	3	-	-	-	22	-	25	-	25
CBD	Role and importance of farm records in agricultural development	1	1	Off	Nov. 2021	3	-	-	-	22	-	25	-	25
CBD	Income generation activities of SHGs	1	1	Off	Nov. 2021	5	-	-	-	20	-	25	-	25
CBD	Role and importance of ICT in agricultural development	1	1	Off	Dec. 2021	4	-	-	-	21	-	25	-	25
CBD	Formation and management of farmers producer group	1	1	Off	Dec. 2021	5	-	-	-	20	-	25	-	25

(b) Rural youths

Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Month	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
I.Crop Production														
ICM	Integrated Farming System for Livelihood security	1	3	On	Dec. 2021	2	-	-	-	13	-	15	-	15
ICM	Seed production for higher income	1	3	On	Sept. 2021	-	-	-	-	15	-	15	-	15
II. Soil Health and fertility Management														
ICM	Azolla production technique	1	3	On	Sept, 2021	3	2	-	-	8	2	11	4	15
Soil fertility management	Method of vermicomposting	1	3	On	Oct, 2021	1	1	-	-	13	-	14	1	15
III. Horticulture														
Cultivation of flower	Commercial flower cultivation	1	3	On	Nov. 2021	2	2	-	-	5	6	7	8	15
Nursery raising	Improved method of seedling production technique	1	3	On	Sept. 2021	-	3	-	-	6	6	6	9	15
IV. Plant Protection														
IPM	Production of botanical pesticide	1	3	On	Sept. 2021	3	2	-	-	8	2	11	4	15
IPM	Beekeeping for enhancing rural income	1	3	On	Nov. 2021	2	2	-	-	5	6	7	8	15
IV. Agril. Engg.														
Value addition	Value addition of star apple	1	3	On	Nov. 2021	-	4	-	-	-	11	-	15	15
Installation and	Installation of drip irrigation	1	3	On	Oct. 2021	-	-	-	-	12	3	12	3	15

maintenance of micro irrigation system	system													
V. Agril. Extension														
CBD	Entrepreneurship development	1	3	On	Aug. 2021	2	-	-	-	13	-	15	-	15
CBD	Farming system approach	1	3	On	Dec. 2021	2	-	-	-	13	-	15	-	15

(c) Extension functionaries

Thrust area/ Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Month	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
I. Crop Production														
ICM	Organic farming for sustainable crop production	1	1	On	Sept. 2021	-	4	-	-	-	11	-	15	15
ICM	Contingency planning for crop production under changing climate	1	1	On	Nov. 2021	1	1	-	-	13	-	14	1	15
II. Soil Health and Fertility Management														
Soil fertility management	Management of problematic soil	1	1	On	29.09.2020	2	2	-	-	5	6	7	8	15
Soil fertility management	Use of soil test kit (Mridaparikhyak)	1	1	On	24.11.2020	-	3	-	-	6	7	9	6	15
III. Horticulture														
Protected cultivation	Cultivation techniques of vegetables in green house	1	1	On	Dec. 2021	2	-	-	-	8	5	10	5	15
IFS	Integrated Farming system for increasing income farmer	1	1	On	Aug. 2021	-	3	-	-	6	6	6	9	15
IV. Plant Protection														
IPDM	Safe use of pesticide	1	1	On	Oct. 2021	1	1	-	-	13	-	14	1	15
IPDM	Application of new generation pesticide	1	1	On	Dec. 2021	-	3	-	-	6	7	9	6	15
IV. Agril. Engg.														
Repair and maintenance of farm mechinery & implements	Use of improved machinery in Agriculture	1	1	On	Oct. 2021	-	4	-	-	-	11	-	15	15
Installation and maintenance	Importance of micro irrigation in Agriculture	1	1	On	Oct. 2021	-	-	-	-	12	3	12	3	15

of micro irrigation system														
V. Agril. Extension														
CBD	Climate smart agriculture	1	1	On	July, 2021	2	-	-	-	11	2	13	2	15
CBD	Agri value chain analysis	1	1	On	Nov, 2021	2	-	-	-	11	2	13	2	15

Abstract of Training: Consolidated table (ON and OFF Campus)

Farmers and Farm women

Thematic Area	**No. of Courses**	**No. of Participants**									**Grand Total**		
		Other			**SC**			**ST**					
		M	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**
I. Crop Production													
Weed Management	4	78	22	100	12	9	21	-	-	-	78	22	100
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management													
Seed production													
Nursery management													
Integrated Crop Management	6	123	27	150	18	8	26	-	-	-	123	27	150
Fodder production													
Production of organic inputs													
Others, (INM)	2	42	8	50	2	2	4	-	-	-	42	8	50
TOTAL	**12**	**243**	**57**	**300**	**32**	**19**	**51**	**-**	**-**	**-**	**243**	**57**	**300**
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management	3	56	19	75	4	2	6	-	-	-	56	19	75
Water management													
Enterprise development													
Skill development													
Yield increment	1	25	-	25	-	-	-	-	-	-	25	-	25
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Exotic vegetables like Broccoli													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)	4	78	22	100	4	2	6	2	-	2	78	22	100
TOTAL													
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(IPM)	1	23	2	25	5	3	7	-	-	-	23	2	25
TOTAL													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any(IFS)	1	25	-	25	-	-	-	-	-	-	25	-	25
TOTAL													
d) Plantation crops													
Production and Management technology	1	23	2	25	5	3	7	-	-	-	23	2	25
Processing and value addition													
Others, if any													
TOTAL													
e) Tuber crops													
Production and Management technology													
Processing and value addition													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Others, if any													
TOTAL													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition	1	20	5	25	-	-	-	-	-	-	20	5	25
Others, if any													
TOTAL	**12**	**250**	**50**	**300**	**18**	**10**	**26**	**2**	**-**	**2**	**250**	**50**	**300**
III. Soil Health and Fertility Management													
Soil fertility management	5	100	25	125	8	4	12	4	2	6	100	25	125
Soil and Water Conservation													
Integrated Nutrient Management	3	54	21	75	3	2	5	-	-	-	54	21	75
Production and use of organic inputs													
Management of Problematic soils	2	45	5	50	2	1	3	1	-	1	45	5	50
Micro nutrient deficiency in crops	2	42	8	50	3	1	4	2	-	2	42	8	50
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
TOTAL	**12**	**241**	**59**	**300**	**16**	**8**	**24**	**7**	**2**	**9**	**241**	**59**	**300**
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Production of quality animal products													
Others, if any (Goat farming)													
TOTAL													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													
Value addition													
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													
Others, if any													
TOTAL													
VI.Agril. Engineering													
Installation and maintenance of micro irrigation systems	3	65	10	75	3	1	4	-	-	-	65	10	75
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements	5	84	41	125	12	4	16	2	3	5	84	41	125
Small scale processing and value addition	1	-	25	25	-	-	-	-	-	-	-	25	25
Post Harvest Technology	2	23	27	50	2	2	4	1	-	1	23	27	50

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Others, if any (drudgery reduction)	1	-	25	25	-	-	-	-	-	-	-	25	25
TOTAL	**12**	**172**	**128**	**300**	**17**	**7**	**24**	**3**	**3**	**6**	**172**	**128**	**300**
VII. Plant Protection													
Integrated Pest Management	7	105	70	175	5	2	7	2	-	2	105	70	175
Integrated Disease Management	7	122	53	175	2	3	5	-	-	-	122	53	175
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
TOTAL	**14**	**227**	**123**	**350**	**7**	**5**	**12**	**2**	**-**	**2**	**227**	**123**	**350**
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
TOTAL													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
TOTAL													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics	8	176	24	200	20	5	25	-	-	-	176	24	200
Formation and Management of SHGs	2	45	5	50	-	-	-	-	-	-	45	5	50
Mobilization of social capital													
Entrepreneurial development of farmers/youths	2	45	5	50	-	-	-	-	-	-	45	5	50
WTO and IPR issues													
Others, if any													
TOTAL	**12**	**266**	**34**	**300**	**20**	**5**	**25**	**-**	**-**	**-**	**266**	**34**	**300**
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
TOTAL													
XII. Others (Pl. Specify)													
TOTAL													

Rural youth

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Bee-keeping													
Integrated farming													
Seed production													
Production of organic inputs	1	10	5	15	-	-	-	-	-	-	10	5	15
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops	1	8	7	15	2	2	4	-	-	-	8	7	15
Commercial fruit production													
Repair and maintenance of farm machinery and implements	1	15	-	15	-	-	-	-	-	-	15	-	15
Nursery Management of Horticulture crops	1	15	-	15	-	-	-	-	-	-	15	-	15
Training and pruning of orchards													
Value addition	1	-	15	15	-	-	-	-	-	-	-	15	15
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Para vets													
Para extension workers	2	24	6	30	3	1	4	-	-	-	24	6	30
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Enterprise development													
Others if any (ICM)	3	32	13	45	-	-	-	-	-	-	32	13	45
IPM	2	25	5	30	-	-	-	-	-	-	25	5	30
TOTAL	**12**	**129**	**51**	**180**	**5**	**3**	**8**	**-**	**-**	**-**	**128**	**51**	**180**

Extension functionaries

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Integrated Pest Management													
Integrated Nutrient management	2	26	4	30	2	1	3	-	-	-	26	4	30
Rejuvenation of old orchards													
Value addition													
Protected cultivation technology	1	5	10	15	1	3	4	-	-	-	5	10	15
Formation and Management of SHGs	1	13	2	15	-	-	-	-	-	-	13	2	15
Group Dynamics and farmers organization	1	10	5	15	-	-	-	-	-	-	10	5	15
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements	2	22	8	30	4	2	6	1	-	1	22	8	30
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security													

Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
Crop intensification													
Others if any (IFS)	1	15	-	15	-	-	-	-	-	-	15	-	15
Soil fertility management	2	30	-	30	-	-	-	-	-	-	30	-	30
IPDM	2	26	4	30	2	-	2	-	-	-	26	4	30
TOTAL	**12**	**147**	**33**	**180**	**9**	**6**	**15**	**1**	**-**	**1**	**147**	**33**	**180**

4. Frontline demonstration to be conducted*

1.
Crop: Rice
Thrust Area: Weed management
Thematic Area: IWM
Season: Kharif 2021
Farming Situation: Irrigated medium land

2.
Crop: Rice
Thrust Area: IWM
Thematic Area: IWM
Season: Kharif 2021
Farming Situation: Irrigated medium land

3.

Crop: Maize
Thrust Area: INM
Thematic Area: INM
Season: Kharif 2021
Farming Situation: Irrigated medium land

4.
Crop: Sugarcane
Thrust Area: INM
Thematic Area: INM
Season:Rabi 2021-22
Farming Situation: Irrigated medium land

5.
Crop: Rice
Thrust Area: INM
Thematic Area: INM
Season: Kharif 2021

Farming Situation: Irrigated medium land

6.
Crop:vermicompost
Thrust Area: vermicompost production
Thematic Area: vermicompost production
Season: kharif 2021
Farming Situation: Homestead

7.
Crop: groundnut
Thrust Area: production technology
Thematic Area: production technology
Season: Rabi
Farming Situation: Irrigated medium land

8.
Crop: Greengram
Thrust Area: INM
Thematic Area: INM
Season: Rabi
Farming Situation: Irrigated, medium land

9.
Crop: Bittergourd
Thrust Area: Production technology
Thematic Area: Production technology
Season: Kharif 2021
Farming Situation: Irrigated medium land

10.
Crop: Okra
Thrust Area: vegetable cultivation
Thematic Area: IPM
Season: Rabi 2021-22
Farming Situation: Irrigated medium land

11.
Crop: Tomato
Thrust Area: Varietal substitution
Thematic Area: Varietal substitution
Season: Rabi 2021-22
Farming Situation: Irrigated medium land

12.
Crop: Brinjal
Thrust Area: IPM
Thematic Area: IPM
Season: Kharif 2021
Farming Situation: Irrigated medium land

13.
Crop: Rice
Thrust Area: IDM
Thematic Area: IDM
Season: kharif 2021
Farming Situation: Irrigated medium land

14.
Crop: Chilli
Thrust Area: IPM
Thematic Area: IPM
Season: Rabi 2021-22
Farming Situation: Irrigated medium land

15.
Crop: Greengram
Thrust Area: IDM
Thematic Area: IPM
Season: Rabi 2021-22
Farming Situation: Rainfed medium land

16.
Crop: Okra
Thrust Area: IPM
Thematic Area: IPM
Season: Kharif 2021
Farming Situation: Irrigated medium land

17.
Crop: power weeder
Thrust Area: Farm Mechanization
Thematic Area: Farm Mechanization
Season: kharif 2021
Farming Situation: Irrigated medium land

18.
Crop: seed cum fertilizer drill
Thrust Area: Farm Mechanization
Thematic Area: Farm Mechanization
Season: Rabi
Farming Situation: Irrigated medium land

19.
Crop: Mini dal mill
Thrust Area: Farm Mechanization
Thematic Area: Farm Mechanization
Season: Rabi
Farming Situation: Irrigated medium land

20.
Crop: Mushroom
Thrust Area: value addition
Thematic Area: value addition
Season: Rabi
Farming Situation: Home stead

21.
Crop: Honey Bee
Thrust Area: Honey bee production
Thematic Area: Income generation
Season: Round the year
Farming Situation: Backyard

22.
Crop: Poultry
Thrust Area: Income generation
Thematic Area: Income generation
Season: Round the year
Farming Situation: Backyard

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Rice	1 ha	Use of herbicide Pyrazo sulphuron ethyl 200g/ha at 3 DAS fb Bispyribac Sodium 200 ml at 25 DAS in rainfed direct seeded rice.	No of tillers/hill, EBT/sq.m ,No of grains /panicle, weed count.WCE (%)	Pyrazo sulphuron ethyl			-	-	-	-	5	-	5	-	5
2	Rice	1 ha	Post emergence application of herbicide Penusxulam 93.75ml/ha at 12 DAT + HW at 30 DAT	Weed flora count, No of tillers/hill,1000 grain wt	Penusxulam	35500	34000	-	-	-	-	5	-	5	-	5
3	Maize	1 ha	Application of N:P:K:B:Zn @ 150:75:60:1:5 kg ha-1 + Lime 0.1 LR + FYM @ 5 t ha	Plant ht, , cob length and weight, Grain wt and Yield	Nitrogen, Phosphurus, Pottasium, Zinc and Boron	40000	37000	1	-	-	-	4	-	5	-	5
4	Sugarcane	1 ha	Soil test based fertilizer application in sugarcane @ 315:100:60 kg N:P2O5:K20+60 kg elemental S/ha recorded highest cane yield of 81.44 t/ha and was most remunerative	No. of canes/hill, Cane length, cane wt,Yield	$N:P_2O_5:K_2O$, Soil test based fertiizer	70000	67000	-	1	-	-	4	1	4	1	5
5	Rice	1 ha	STBR NPK + foliar spray of 0.25%	No. of tiller/m2 , No. of filled	STBR NPK as basal and	42500	41000	1	1	-	-	3	1	4	1	5

			Borax at panicle initiation stage and at pre flowering stage	grains/panicle, sterility %,	foliar spray of B as Borax											
6	vermicompost	1 ha	Composting cow dung and leafy materials in the ratio of 3:10 in the vermicompost polythene bag size of 8'x4'x2.5' with release of earthworm (variety: *Eisenia foetida*) @1kg/qtl. of waste material.	Nutrient status of vermicompost	vermicompost	2460	-	2	-	-	-	3	-	5	-	5
7	Groundnut	1 ha	Lime and FYM have synergistic effect on controlling soil acidity	No of pods /plant,pod weight,test weight(g.)	Lime and FYM	36600	34800	-	-	-	-	3	2	3	2	5
8	Greengram	1 ha	75% N+75%P+full dose of K+Foliar spray of Urea phosphate	No of branches/plant, No of pods /plant, no of grains/pod	Urea phosphate	19700	17600	1	2	-	-	2	-	3	2	5
9	Bittergourd	1 ha	Lean to type trellis – stakes are joined between two adjoining bed forming an A shaped structure horizontal stakes are installed at the top joining of all other beds . The stakes support the climbing vines. Strings are used to secure adjoining stakes. trellis height 2m	Length of fruit, Wt. of fruit, incidence of fruit rot	Lean to type trellis – stakes	71200	52800									

10	Brinjal	0.4	Application of neem cake@2.5q/ha, application of nemazol @5ml/lit at 15 days interval upto flowering Pheromone trap@3 fo r 400 sq.m. + weekly release of 50,000 Trichogramma chilonis + two sprays of BT @1ml/L at 10 days interval at peak flowering	% pest incidence, % fruit infestation, wt. of individual fruit, no. of fruits/plant	Pheromonetr ap, *Trichogram ma chilonis, Nemzol*	46200	40100	-	-	-	-	4	1	4	1	5
11	Tomato	0.4	Cultivation of tomato variety Arka Rakshak with recommended package of practices, planting Oct-Nov, spacing- 3 ft X 3 ft. , 12000 seedling/ha , fertilizer - 150:120:150 kg/ha	No. of fruits/plant, vine length, wt. of fruit, % of infected fruit	Tomato seedling	44800	41200	-	-	-	-	4	1	4	1	5
12	Okra	1 ha	Seed Treatment by imidacloprid @ 5 g /kg +YST installation + Acetamiprid 20 SP spray @ 3g/ltr water	% Infestation ,Fruit length, diameter & weight	Imidacloprid, Acetamiprid	42000	39000	-	-	-	-	2	3	2	3	5
13	Rice	1 ha	Spraying of Azoxystrobin 18.2%+Difenoconazol e 11.4% @ 1 ml/lit twice at 15 days interval from initiation of disease	No of Infested tillers /hill PDI(%)	Azoxystrobin, Difenoconazole,	36000	33200	-	-	-	-	4	1	4	1	5
14	Chilli	1 ha	Seed treatment with Imidaclopride 600FS@5ml/kg of	No of thrips/leaf , no of mites/sq.inch	Imidaclopride, Spiromesifen	75000	65000	1	2	-	-	2	-	3	2	5

			seed ,Spraying of Spiromesifen 22.9 % SC @ 1 ml/ lit twice at 30 and 45 DAT	leaves												
15	Greengram	1 ha	Seed treatment with Imidacloprid 600 FS @ 5 ml / kg seed + Yellow sticky trap @ 50/ha + Neem oil 1500ppm @3ml/lit spray on appearance of white fly on YST + Spraying of Diafenthiuron 50 WP @ 600gm./ha	No of thrips/leaf , no of mites/sq.inch leaves	Imidacloprid, neem oil, Diafenthiuron	17500	14200	-	-	-	-	-	5	-	5	5
16	Okra	1 ha	Foliar spray of Chlorantraniloprole 18.5 SC @ 150 ml/ha twice at 30 and 45 DAS	No of infected fruit /plant	Chlorantraniloprole, seed	45800	42000	-	-	-	-	2	3	2	3	5
17	Mini dal mill	-	Mini Dal mill operated by 1hp single electronic motor	Dal recovery (%), Dehusking efficiency (%), Milling efficiency (%),Milling capacity(kg/hr) Cost of milling (Rs./q), Cost saving (%,)Labour Saving (%)	-	-	-	-	-	-	-	4	1	4	1	5
18	Power weeder	-	Weeding by dry land power weeder	Field Capacity (ha/hr), Weeding Index (%) , Cost of weeding (Rs./ha), Labour requirement (man-days/ha), Cost saving (%),	Power weeder	10000	2000	-	-	-	-	4	1	4	1	5

				Labour savings (%) Yield (q/ha), B:C Ratio												
19	Multi crop Seed cum fertilizer drill	1 ha	Tractor drawn Multi crop Seed cum fertilizer drill with cup feed metering mechanism for sowing, Field capacity – 0.4ha/h	Field capacity (ha/h), Fuel consumption (lit/ha), cost of operation (Rs/ha), Plant population/sq.m (Nos.), Labour requirement (man-days/ha), Cost savings(%), labour savings (%)	Multi crop Seed cum fertilizer drill	33961	35211	-	-	-	-	4	1	4	1	5
20	Oyster mushroom	-	Blanching of Oyster mushroom for 3 min with addition of 0.5% KMS followed by dried at Solar drier (8% moisture content) then grinded to powder	Shelf life (days), Net income (Rs), Additional income over additional investment	Mushroom	700	500	2	-	-	-	3	-	5	-	5
21	Honey bee	-	Time of establishment, time and frequency of feeding	Honey bee	Honey yield/box, no. of colonies/box	5000	6500	-	-	-	-	-	5	-	5	5
22	Poultry	-	Rearing of dual purpose poultry bird “Kadaknath”, body weight 1400 g/ 20weeks, egg laying capacity 185 nos. of egg/ year	Poultry var. Kadaknath	Body wt./month, No. of eggs produced/year, Net return	100/ bird	125/ bird	2	-	-	-	1	2	3	2	5

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training and Field day	IWM in rice	1	Crop production	1	Off	2	1	-	-	22	-	24	1	25
Training and Field day	INM in sugarcane	1	Crop production	1	Off	-	2	-	-	22	1	22	3	25
Training and Field day	INM in maize	1	Crop production	1	Off	2	1	-	-	22	-	24	1	25
Training and Field day	Method lime application in groundnut	1	Soil Sc.	1	Off	2	1	-	-	22	-	24	1	25
Training and Field day	Boron deficiency and its control measures in rice	1	Soil Sc.	1	Off	3	-	-	-	21	1	24	1	25
Training and Field day	Nutrient supplementation through foliar application in greengram	1	Soil Sc.	1	Off	1	2	-	-	22	-	23	2	25
Training & Field Day	Major diseases & pest of solanaceous crops & their control	1	Horticulture	1	Off	1	-	-	-	23	1	24	1	25

	measures													
Training & Field Day	Integrated management of fruit borer in okra	1	Plant protection	1	Off	3	-	-	-	21	1	24	1	25
Training & Field Day	Integrated of management of Sheath blight in Rice	1	Plant protection	1	Off	1	2	-	-	22	-	23	2	25
Training & Field Day	Importance of use of weeder in rice	1	Agril. Engg.	1	Off		-	3	-	-	22	-	22	3
Training & Field Day	Use of mini dal mill	1	Agril. Engg.	1	Off		-	-	-	-	-	25	-	25

* Repeat the above tables and information in Point no. 4 for EACH FLD being proposed.

5. a) Seed and planting material production by utilization of instructional farm (Crops / Enterprises)

Name of the Crop / Enterprise	Variety / Type	Period From…… to ……..	Area (ha.)	Details of Production				
				Type of Produce	Expected Production (No. /quintal)	Cost of inputs (Rs.)	Expected Gross income (Rs.)	Expected Net Income (Rs.)
Paddy	Swarna Sub-1	July to Dec, 2021	5 ha	FS	175	4,00,000/-	5,68,750	1,68,750/-
Paddy	CR-1009 Sub-1	July to Dec, 2021	1 ha	FS	35	80,000	1,13,750	33750
Brinjal	JK-80-31, Tarini	July, 2021 to March 2022	0.05 ha	Planting material	10000	49000/-	92500/-	43500/-
Chilli	Daiya, Siamhot			Planting material	5000			
Papaya	Vinayak, Pearl			Planting	2000			

	swapna			material				
Tomato	Arka Rakshak			Planting material	10000			
Onion	Agri found light red (AFLR)			Planting material	100000			
Cauliflower	White contesa, Payal			Planting material	5000			
Cabbage	Pusa drum head, Lucky ball			Planting material	5000			
Capsicum	Ayesha, Nandini			Planting material	5000			
Brocolli	KT-Sel-1, Known-you F_1 Hybrid			Planting material	5000			
Drumstick	ODC-3 , PKM-1			Planting material	2000			
Vermicompost	Eudrillus euginae	Round the year			100 q.	7000/-	15000/-	8000/-
Vermi worm	Eudrillus euginae				10 kg	1000/-	5000/-	4000/-
Mushroom	P. sajorcaju				200 kg	10000/-	16000/-	6000/-
Poultry	Kadaknath and Chhabro				2000 nos.	100000/-	130000/-	30000/-
Honey	Apis cerena indica				10 kg	10000/-	12000/-	2000/-
Fish fingerling	IMC				500 kg (5000 no.)	10000/-	45000/-	35000/-

b) Village Seed Production Programme- NA

Name of the Crop / Enterprise	Variety / Type	Period From…… to ……..	Area (ha.)	No. of farmers	Details of Production				
					Type of Produce	Expected Production(q)	Cost of inputs (Rs.)	Expected Gross income (Rs.)	Expected Net Income (Rs.)

6. Extension Activities

Sl. No.	Activities/ Sub-activities	No. of activities proposed	Farmers				Extension Officials			Total		
			M	F	T	SC/ ST (% of total)	Male	Female	Total	Male	Female	Total
1.	Field Day	15	324	43	367		5	3	8	329	46	375
2.	KisanMela	2	200	75	275		12	5	17	212	80	292
3.	KisanGhosthi	15	310	35	345		10	5	15	320	40	360
4.	Exhibition	5	326	25	351		138	11	149	464	36	500
5.	Film Show	46	545	23	568		12	3	15	557	26	583
6.	Method Demonstrations	20	312	21	333		24	3	27	336	24	360
7.	Farmers Seminar	5	85	5	90		8	2	10	93	7	100
8.	Workshop	2	90	5	95		-	-	-	90	5	95
9.	Group meetings											
10.	Lectures delivered as resource persons	28	876	125	1001		27	5	32	903	130	1060
11.	Advisory Services											
12.	Scientific visit to farmers field	312	288	30	318		-	-	-	288	30	318
13.	Farmers visit to KVK	520	434	120	554		-	-	-	434	120	554
14.	Diagnostic visits	52	956	234	1190		128	78	206	1084	312	1396
15.	Exposure visits	2	56	27	83		10	7	17	66	34	100
16.	Ex-trainees Sammelan	1	20	25	45		3	2	5	50	25	75
17.	Soil health Camp	2	96	42	138		8	4	12	104	46	150

18.	Animal Health Camp	1	50	60	110		6	4	10	106	94	200
19.	Agri mobile clinic	-	-	-	-	-	-	-	-	-	-	-
20.	Soil test campaigns	3	68	21	89		8	3	11	76	24	100
21.	Farm Science Club Conveners meet	5	82	12	94		25	6	31	107	18	125
22.	Self Help Group Conveners meetings	3	108	22	130		15	5	20	123	27	150
23.	MahilaMandals Conveners meetings	-	-	-	-	-	-	-	-	-	-	-
24.	Celebration of important days (specify)											
25.	Sankalp Se Siddhi	-	-	-	-	-	-	-	-	-	-	-
26.	Swatchta Hi Sewa	15	176	24	200		4	1	5			205
27.	Mahila Kisan Diwas	1	-	25	25	-	-	-	-	-	25	25
28.	Any Other (Specify)											
	Total											

7. Revolving Fund (in Rs.)

Opening balance of 2019-2020 (As on 01.04.2020)	Amount proposed to be invested during 2021	Expected Return
Rs. 76,944/-	**Rs. 6,00,000/-**	**Rs. 8,00,000/-**

8. Expected fund from other sources and its proposed utilization- NA

Project	Source	Amount to be received (Rs. in lakh)

9.

1. On-farm trials to be conducted*

i. **Season: Rabi, 2021-22**

ii. **Title of the OFT: Assessment of sweet corn varieties for higher income**

iii. **Thematic Area:** varietal substitution

iv. **Problem diagnosed: Low market price of maize and opportunity for diversification through sweet corn**

v. **Production system: Maize based cropping system**

vi. **Micro farming system: Irrigated medium land**

vii. **Technology for Testing: Sweet corn varieties for higher income**

viii. **Existing Practice: Maize var. P 3441**

ix. **Objective(s): To enhance profitability of farmers**

x. **Treatments:**

Farmers Practice (FP): **Maize var. P 3441**
Technology option-I (TO-I): **Sweet corn var. - VL Sweet corn 1 (FSCH18)**
Technology option-II (TO-II): **Sweet corn var. Pusa Super Sweet corn-1**

xi. **Critical Inputs: sweet corn variety**

xii. **Unit Size:1 ha**

xiii. **No of Replications: 5**

xiv. **Unit Cost: Rs.7000/-**

xv. **Total Cost: Rs. 49,000/-**

xvi. **Monitoring Indicator: Avg. Cob wt, Cob length, No. of cob/plant, cob yield, green fodder yield, economics**

xvii. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify): VPKAS, Almora,2016 IARI, 2018-19**

2. **On-farm trials to be conducted**

i. **Season: Kharif, 2020**
ii. **Title of the OFT: Assessment of Integrated Weed Management in Maize**
iii. **Thematic Area:** Integrated weed management
iv. **Problem diagnosed: Heavy weed infestation and lower yield**
v. **Production system:** maize based
vi. **Micro farming system: Rainfed upland**
vii. **Technology for Testing: weed management in maize**
viii. **Existing Practice: Manual weeding**
ix. **Objective(s): To control Weed in maize**
x. **Treatments:**

Farmers Practice (FP): **Weeding through earthing up at 15 DAS + Use of herbicide 2-4-D @500g/ha at 30 DAS**

Technology option-I (TO-I): **Weeding through earthing up at 15 DAS + Use of herbicide Atrazine 50% WP @ 2kg/ha at 20 DAS**

Technology option-II (TO-II): **Weeding through earthing up at 15 DAS +Use of herbicide Tembotrione 42% SC @287.5 ml/ha at 20 DAS**

xi. **Critical Inputs: herbicide Atrazine & herbicide Tembotrione**
xii. **Unit Size: 0.05 ha**
xiii. **No of Replications: 07**
xiv. **Unit Cost: 300**
xv. **Total Cost: 5000**
xvi. **Monitoring Indicator: Weed flora count, No of cobs/plant,cob weight(g.), 1000 grain wt**
xvii. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify): Weed flora count,WCE (%), No of cobs/plant, cob weight(g.), 1000 grain w**

3. On-farm trials to be conducted

i. **Season: Rabi 2021-22**
ii. **Title of the OFT: Assessment of potato varieties**
iii. **Thematic Area:** varietal substitution
iv. **Problem diagnosed: Low yield due to late planting and temperature fluctuation during tuberization**
v. **Production system: Rice-Vegetable**
vi. **Micro farming system: Irrigated medium land**
vii. **Technology for Testing: Early potato varieties**
viii. **Existing Practice: Cultivation of medium duration variety kufri Jyoti**
ix. **Objective(s): Higher production and profit**
x. **Treatments:**

Farmers Practice (FP): **Potato var. Kufri Jyoti**

Technology option-I (TO-I): **Kufri Himalini (Medium size, oval oblong, white tuber with pale yellow flesh, better keeping quality, resistant to late blight, Avg. yield- 300 350 q/ha)**
Technology option-II (TO-II): Kufri Khyati (High yielding, early maturing, creamish, white with medium deep eyes, Avg. yield- 250-300 q/ha, duration 70-75 days).

xi. **Critical Inputs: potato tuber**
xii. **Unit Size: 0.06 ha**
xiii. **No of Replications: 07**
xiv. **Unit Cost: 2800**
xv. **Total Cost: 19600**
xvi. **Monitoring Indicator: No. of tubers/plant, individual tuber wt., diameter of tuber**
xvii. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify): CPRI, Simla, 2011**

4. On-farm trials to be conducted

i. **Season: Kharif, 2021**
ii. **Title of the OFT: 4.Assessment of IPM for control of Phytophthora foot rot in betelvine**
iii. **Thematic Area:** IPM
iv. **Problem diagnosed: Low yield and quality of betel leaf due to Phytophthora foot rot**
v. **Production system: betelvine-betelvine**
vi. **Micro farming system:** Irrigated up land
Technology for Testing: Application of Bordeaux mixture four soil drenches + 8 foliar sprays followed by 4 split doses of Neem oil cake @500 kg/split/ha along with bio control agent *Trichoderma viridae* @5g./vine
vii. **Existing Practice:** Application of Dithane M 45 @2.5g/lit of water
viii. **Objective(s): To improve yield and quality of betelvine leaf by controlling Phytophthora foot rot**
ix. **Treatments:**
Farmers Practice (FP): Application of Dithane M 45 @2.5g/lit of water

Technology option-I (TO-I): Soil drenching four times in monthly interval and eight times fortnightly interval spray of Bordeaux mixture at 1% and 5% respectively. Application of Neem oil cake @2 split doses @500 kg/split /ha at 30 and 60 DAP
Technology option-II (TO-II): Application of Bordeaux mixture four soil drenches + 8 foliar sprays followed by 4 split doses of Neem oil cake @500 kg/split/ha along with bio control agent *Trichoderma viridae* @5g./vine
x. **Critical Inputs:** Bordeaux mixture, Neem oil cake, *Trichoderma viridae*
xi. **Unit Size: 0.4 ha**
xii. **No of Replications: 07**
xiii. **Unit Cost: Rs.2000/-**
xiv. **Total Cost: Rs.14000/-**
xv. **Monitoring Indicator:** No. of leaves/vine, No. of infested leaves /vine,100 leaves wt. leaf size,Yield
xvi. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** OUAT, 2016

5. On-farm trials to be conducted

i. **Season: Rabi 2021-22**
ii. **Title of the OFT: 5.Assessment of Sulphur and Boron for higher yield in cabbage**
iii. **Thematic Area:** INM
iv. **Problem diagnosed: Low quality and yield due to secondary and micro nutrient deficiency**
v. **Production system:** Rice-vegetable
vi. **Micro farming system:** Irrigated medium land
vii. **Technology for Testing: Application of Sulphur and Boron for higher yield**
viii. **Existing Practice:**
ix. **Objective(s):** For increasing yield of cabbage
x. **Treatments:**

Farmers Practice (FP): **FP-NPK as basal application(110-50-40 kg/ha)**

Technology option-I (TO-I): STBF (NPK: 120-60-60)+ Sulphur @30 kg ha +1 kg Boron as basal application
Technology option-II (TO-II): STBF (NPK) + two foliar spray of Borax & Sulphur @0.25% at 10 days interval starting from 30 days after sowing

xi. **Critical Inputs: Boron & Sulphur**
xii. **Unit Size:1 ha**
xiii. **No of Replications: 07**
xiv. **Unit Cost: 1200**
xv. **Total Cost: 8400**
xvi. **Monitoring Indicator: Head wt. (g.), Head size(cm.)**
xvii. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify): OUAT, 2016**

6. On-farm trials to be conducted

i. **Season: Rabi 2021-22**
ii. **Title of the OFT: Assessment of consortia of micro organism (Azotobactor + Azospirillum +PSB) in pointed gourd**
iii. **Thematic Area:** INM
iv. **Problem diagnosed: Low yield due to low beneficial microbial population**
v. **Production system: Rice-vegetable**
vi. **Micro farming system: Irrigated medium land**
vii. **Technology for Testing: nutrient supplementation through foliar application in pointedgourd**
viii. **Existing Practice: Manual weeding at 30 DAT**
ix. **Objective(s): To increase yield of pointedgourd**
x. **Treatments:**

Farmers Practice (FP): **Only NPK (100-50-60 kg/ha.)**

Technology option-I (TO-I): **STBF(120-80-80)- + 100 kg of FYM inoculated with 4 kg Azotobactor, Azospirillum & PSB**
Technology option-II (TO-II): **STBF + 5 kg lime mixed with 100 kg of FYM & inoculated with 4kg Azotobactor, Azospirillum**

xi. **Critical Inputs: FYM, Azotobactor, Azospirillum & PSB**
xii. **Unit Size:1 ha**
xiii. **No of Replications: 07**
xiv. **Unit Cost: 1100**
xv. **Total Cost: 7700**
xvi. **Monitoring Indicator: Fruit size, No. of fruits /plant, Fruit weight(g.)**
xvii. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify): OUAT, 2017**

7. On-farm trials to be conducted

i. **Season: Rabi 2021-22**
ii. **Title of the OFT: Assessment of integrated management practices against surpentine leaf minor in tomato**
iii. **Thematic Area:** IPM
iv. **Problem diagnosed: Heavy incidence of leaf minor in tomato**
v. **Production system: Rice-vegetable**
vi. **Micro farming system: Irrigated medium land**
vii. **Technology for Testing: surpentine leaf minor incidence**
viii. **Existing Practice: Application of Chloro +Cyper @2ml/lit after initiation of pest infestation**
ix. **Objective(s): Reduced pest and increase yield**
x. **Treatments:**
Farmers Practice (FP): Application of Chloro +Cyper @2ml/lit after initiation of pest infestation

Technology option-I (TO-I): Removal of alternate host, growing of seedlings in protected condition, pruning of affected leaves from the beginning, placing of plastic trays@10-12/ha at the base of the plant for monitoring and alternate spraying of Abamectin @1.4ml/lt & Cryomazine 50WP @ 2gm/ltr at 10 days interval

Technology option-II (TO-II): Removal of alternate host, growing of seedlings in protected cultivation, pruning of affected leaves from the beginning, placing of plastic trays @10-12/ha at the base of the plant for monitoring and alternate spraying of Cartap hydrochloride 50 SP @ 2gm/ ltr of water & Spinosad 45 SC @ 1ml/ 3 ltr of water at 10 days interval

xi. **Critical Inputs:** Cartap hydrochloride, Spinosad
xii. **Unit Size: 0.4**

xiii. **No of Replications: 07**

xiv. **Unit Cost: 1250**

xv. **Total Cost: 8900**

xvi. **Monitoring Indicator: Leaf infestation (%),Cost of intervention. Additional income over additional investment Yield (q/ha), B:C ratio**

xvii. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify): IIHR,Bangalore , 2017**

8. On-farm trials to be conducted

i. **Season: Kharif 2021**

ii. **Title of the OFT: Assessment of integrated management practices of Neckblast in Paddy**

iii. **Thematic Area:** IDM

iv. **Problem diagnosed: Low yield due to high incidence of Neckblast**

v. **Production system: Rice -vegetable**

vi. **Micro farming system: Rainfed low land**

vii. **Technology for Testing: control of Neckblast in Paddy**

viii. **Existing Practice: Spraying of tricyclazole @ 2ml / litre of water after the incidence of disease**

ix. **Objective(s): Reduced of Neckblast incidence**

x. **Treatments:**

Farmers Practice (FP): Spraying of tricyclazole @ 2ml / litre of water after the incidence of disease

Technology option-I (TO-I): Avoid dry nursery, late planting, burning of straw stubbles, remove weeds from the bunds and apply N in 3 splits.Seed treatment with Tricyclazole 75 WP @ 2gm/Kg of seed. Spraying of (Tricyclazole22% + Hexaconazole 3% SC) @ 2ml/ ltr thrice at weekly interval starting from booting stage

Technology option-II (TO-II): Avoid dry nursery, late planting, burning of straw stubbles, remove weeds from the bunds and apply N in 3 splits.Seed treatment with Tricyclazole 75 WP @ 2gm/Kg of seed. Alternate spraying of Metominostrobin 20SC and Azoxystrobin 20SC @ 1ml/ltr at 10 days interval starting from booting stage

xi. **Critical Inputs:** Tricyclazole, Metominostrobin, Azoxystrobin

xii. **Unit Size: 0.4**

xiii. **No of Replications: 07**

xiv. **Unit Cost: 750**

xv. **Total Cost: 8500**

xvi. **Monitoring Indicator: Disease incidence (%),Cost of intervention. Additional income over additional investment Yield (q/ha), B:C ratio**

xvii. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**

9. On-farm trials to be conducted

i. **Season: Kharif 2021**

ii. **Title of the OFT: Assessment of Tractor drawn Paddy Thresher for bundle straw production**

iii. **Thematic Area:** Farm mechanization

iv. **Problem diagnosed: High labour cost of threshing paddy, Non availability of bundle straw as per demand**

v. **Production system:**Rice-vegetable

vi. **Micro farming system:** Rainfed medium land

vii. **Technology for Testing: use of different tractor drawn paddy thresher**

viii. **Existing Practice: Use of Power Thresher cum Winnower**

ix. **Objective(s):** To reduce labour cost of threshing

x. **Treatments:**
Farmers Practice (FP): **Use of Power Thresher cum Winnower**
Technology option-I (TO-I): **Tractor driven Axial flow Thresher and Winnower**
Technology option-II (TO-II): **Tractor driven whole straw paddy thresher**

xi. **Critical Inputs: Tractor driven axial flow thresher and Tractor driven whole straw paddy thresher**

xii. **Unit Size:0.4 ha**

xiii. **No of Replications: 07**

xiv. **Unit Cost: 1000**

xv. **Total Cost: 7000**

xvi. **Monitoring Indicator: Threshing capacity (q/hr.), cost of threshing (Rs/q.), labour requirement (man days/q)**

xvii. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify): OUAT, 2015-16**

10. On-farm trials to be conducted

i. **Season: Rabi 2021-22**
ii. **Title of the OFT: Assessment of irrigation through sprinkler for enhancing yield of greengram**
iii. **Thematic Area:**
iv. **Problem diagnosed: No supplemental irrigation leads to low yield**
v. **Production system:** Rice-greengram
vi. **Micro farming system:** Irrigated medium land
vii. **Technology for Testing:** use sprinkler for enhancing yield
viii. **Existing Practice:** No irrigation
ix. **Objective(s):** To increase yield
x. **Treatments:**
Farmers Practice (FP): No irrigation
Technology option-I (TO-I): Sprinkler irrigation once at Pre flowering stage
Technology option-II (TO-II): Sprinkler irrigation once at Pre flowering stage and once at pod formation
xi. **Critical Inputs:** sprinkler
xii. **Unit Size: 0.4 ha**
xiii. **No of Replications: 07**
xiv. **Unit Cost: 5000-**
xv. **Total Cost: 35000/-**
xvi. **Monitoring Indicator: Cost of irrigation (Rs/ha), no. of pods /plant,Cost of intervention, Additional income over additional investment,**
xvii. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify): IIWM, BBSR, 2017-18**

11. On-farm trials to be conducted

i. **Season: Rabi 2021-22**
ii. **Title of the OFT: Assessment of different planting time for better market price of Tomato**
iii. **Thematic Area:** Market linkage
iv. **Problem diagnosed: Distress sale of tomato in *rabi* season**
v. **Production system:** Rice-vegetable
vi. **Micro farming system:** Irrigated medium land
vii. **Technology for Testing:**
viii. **Existing Practice:** Farmers plant the seedling in the month of November
ix. **Objective(s):** To fetch better marketing price
x. **Treatments:**
Farmers Practice (FP): Farmers plant the seedling in the month of November

Technology option-I (TO-I): **Planting of seedling one month before onset of normal planting period (October)**

Technology option-II (TO-II): Planting of seedling one month after completion of normal planting period (December)

xi. **Critical Inputs: Supply of Seedlings of cauliflower**

xii. **Unit Size:0.032**

xiii. **No of Replications: 07**

xiv. **Unit Cost: 1000**

xv. **Total Cost: 7000**

xvi. **Monitoring Indicator: Disease & pest incidence, No. of fruits /plant, fruit wt(g.), Yield, Market price**

xvii. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify): IARI 2016**

10. List of Projects to be implemented by funding from other sources (other than KVK fund) - NA

Sl. No.	Name of the project	Funding authority	Fund expected (Rs.)

11. No. of success stories proposed to be developed with their tentative titles

12. Scientific Advisory Committee

Date of SAC meeting held during 2020	Proposed date during 2021
11.02.2020	November 2021

13. Soil and water testing

Details	No. of Samples	No. of Farmers									No. of Villages	No. of SHC distributed
		SC		ST		Other		Total				
		M	F	M	F	M	F	M	F	T		
Soil Samples	1000					880	120	880	120	1000	62	1000
Water Samples	-	-	-	-	-	-	-	-	-	-		
Other (Please specify)	-	-	-	-	-	-	-	-	-	-	-	-
Total	1000					880	120	880	120	1000	62	1000

14. Fund requirement and expenditure (Rs.)*

Heads	Expenditure (last year) (Rs.)	Expected fund requirement (Rs.)
Contingency	**13,94,237/-**	**15,00,000/-**
TA	**1,00,000/-**	**1,20,000/-**
Library	**10,000/-**	**20,000/-**
Total	**15,04,237/-**	**16,40,000/-**

* Any additional requirement may be suitably justified.

15. Every KVK should bring a brief write-up supported by quality photographs about the technology having wide acceptability among the farming community of the district with factual data

SL. No.	Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
				Before (Rs./Unit)	After (Rs./Unit)
1	biological control of shoot and fruit borer in brinjal	45	35	79800/ha	1,15,350/ha
2	IPM for control of YVMV in okra	56	38	59680/ha	87,704/ha
3	Integrated management practices for management of stem borer in paddy	85	65	18,100	30,100
4	Demonstration of paddy straw mushroom	500	73	Rs. 500/10 nos bed	Rs. 760/- per 10 nos.bed (net profit)
5	Application of Sulphur in groundnut	72	56	34400/ha	50,775/ha
6	Demonstration on Oyster mushroom *H. ulmarius*	200	79	647/10 bag (net profit)	Rs. 1100/- per 10 bag (net profit)
7	Improved variety Rainbow rooster rearing	150	45	1680/100 bird	4080/100 bird
8	Tractor operated seed cum fertilizer drill for sowing groundnut	30	51	43650/ha	57300/ha
9	Tractor operated rotavator for dry ploughing	40	27	78700/ha	82250/ha
10	Demonstration on Integrated Disease Management (Tricyclozole +Propiconazole) against sheath Blight in paddy	125	65	62650 /ha	70000 /ha
11	IWM in groundnut	200	60	35500/ha	40500/ha
12	Boron and sulphur application in cauliflower	355	55	50000/ha	65000/ha