ACTION PLAN

Jan. 2022 to Dec. 2022

KRISHI VIGYAN KENDRA, LADA(SAMASTIPUR-II)
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REVISED PROFORMA FOR ACTION PLAN 2022

1. Name of the KVK: LADA, SAMASTIPUR-II

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	Office	FAX	
KrishiVigyan Kendra, Lada, Samastipur-II (Bihar)	08409999258	-	head.kvk.lada@rpcau.ac.in

2.Name of host organization:

Address	Telephone		E mail
	Office	FAX	
Dr. Rajendra Prasad Central Agricultural University, PusaSamastipur (Bihar)	06274-240226	06274-240255	raupusa@sancharnet.in

3.Training programme to be organized (Jan. 2022 to Dec. 2022)

(a) Farmers and farm women (ON CAMPUS)

Discipline	Thematic Area	Title	Duration	No. of participants			
				SC	ST	Oth.	Total
I Quarter (Jan. 2022 to March 2022)-Nil							
II Quarter (April 2022to June 2022)							
Horticulture	Ornamental plants	Propagation techniques of ornamental plants	1	3	0	17	20
	Protective Cultivation (Greenhouses, shade, Net etc.)	Protective Cultivation of capsicum, tomato and cucumber	1	3	0	17	20
	Cultivation of fruits	Management of fruit drop in litchi	1	3	0	17	20
Agril Engg	Soil & water management	Importance of soil and water conservation	1	3	0	17	20
	Irrigation water management	Installation, and maintenance of micro irrigation system	1	3	0	17	20
	Micro irrigation	Importance and Management of Micro Irrigation system.	1	3	0	17	20
Vet. & Ani. Science	Goat farming	Commercial goat farming and entrepreneurship development	1	3	0	17	20
	Poultry Farming	Backyard Poultry entrepreneurship development	1	3	0	17	20
	Dairy farming	Commercial Dairy Management	1	3	0	17	20

Home Science	Designing and development of high nutrients deficiency diet	Preparation of nutritious diet for pregnant women	1	3	0	17	20
	Minimization of nutrients loss of processing	Methods of processing to save nutrient loss	1	3	0	17	20
	Women & Child care	Importance of Health, Hygiene & sanitation for Women & Child	1	3	0	17	20
Plant Protection	Production of Bio Controls agents and bio pesticides	Method to make pesticide from neem seed	1	3	0	17	20
	Integrated Pest Management	Pest Management of Paddy : Method & Benefits	1	3	0	17	20
	Biological control	Management of pod borer by bio-control agents	1	3	0	17	20
		Total	**15**	**45**	**0**	**255**	**300**
III Quarter (July 2022 to Sept. 2022)							
Horticulture	Spices	Scientific cultivation of seed spices	1	3	0	17	20
	Vegetable	Scientific cultivation of Solanaceous crops	1	3	0	17	20
	Layout and management of orchard	Establishment of new orchard and management	1	3	0	17	20
Agril Engg	Production of small tools and implements	Types of hand hoe and its utility	1	3	0	17	20
	Irrigation management	Irrigation methods for vegetable cultivation	1	3	0	17	20
	Harvesting and Threshing machines	Harvesting and Threshing machines	1	3	0	17	20
Vet. & Ani. Science	Feed and fodder management	Dairy Farming conservation methods of green fodder	1	3	0	17	20
	Dairy management	Causes of infertility and their management	1	3	0	17	20
	Fodder management	Round the year Fodder cultivation	1	3	0	17	20
Home Science	Storage lose minimization lose techniques	Storage techniques of different foods.	1	3	0	17	20
	Women child care	Preparation of weaning food using locally available food material	1	3	0	17	20
	Value addition	Seasonal fruit & Vegetable preservation & preparation of value added product of seasonal fruits	1	3	0	17	20

Plant Protection	Integrated Pest Management	Integrated pest management of Rabi pulse crops	1	3	0	17	20
	Integrated Disease Management	Integrated Disease Management in potato	1	3	0	17	20
	Integrated pest management (IPM)	IPM in cucurbitaceous vegetable crop	1	3	0	17	20
		Total	**15**	**45**	**0**	**255**	**300**
	IV Quarter (Oct. 2022 to Dec. 2022)						
Horticulture	Cultivation of fruits	Propagation of fruit crops	1	3	0	17	20
	Fruits	Scientific cultivation of Fruits	1	3	0	17	20
	Ornamental Plants	Scientific cultivation of gerbera	1	3	0	17	20
Agril Engg	Repair and maintenance of farm machinery and implements	Care and maintenance of irrigation pumps	1	3	0	17	20
	Farm Implements and Machinery	Custom hiring Centers: Concept and importance in the present context as a business model.	1	3	0	17	20
	Tractors and their power units	Variations in Tractor and its matching implements	1	3	0	17	20
Vet. & Ani. Science	Poultry Farming	Backyard Poultry entrepreneurship development	1	3	0	17	20
	Feed and fodder management	Preparation of balance concentrated mixture from locally available feed ingredients	1	3	0	17	20
	Dairy management	Mastitis management among dairy animals.	1	3	0	17	20
Home Science	Women child care	Low cost food preparation for children	1	3	0	17	20
	Capacity building	Cutting stitching and value addition.	1	3	0	17	20
	Value addition	Preparation of Jam, Jellies and Pickles	1	3	0	17	20
Plant Protection	Bio control of pest and diseases	Use of Bio agents to manage pest of Pulses	1	3	0	17	20
	Integrated Pest Management	Integrated pest management of Fruit crops	1	3	0	17	20
	Biological control	Use of bio-control agents to manage nematodes	1	3	0	17	20
		Total	**15**	**45**	**0**	**255**	**300**

(b) Farmers and farm women (OFF CAMPUS)

Discipline	Thematic Area	Title	Duration	No. of participants			
				SC	ST	Oth.	Total
I Quarter (Jan 2022 to March 2022)-Nil							
II Quarter (April 2022 to June 2022)							
Horticulture	Nursery raising	Nursery raising of Cole vegetable crop	1	3	0	17	20
	Ornamental Plants	Scientific cultivation of gerbera	1	3	0	17	20
	Ornamental plants	Propagation of chrysanthemum through suckers	1	3	0	17	20
Agril Engg	Sowing technique	Procedure of DSR cultivation by seed drill	1	3	0	17	20
	Installation, and maintenance of micro irrigation system	Micro-irrigation : Installation and operation	1	3	0	17	20
	Farm Implements and Machinery	Care and maintenance of farm machinery and implements.	1	3	0	17	20
Vet. & Ani. Science	Goat farming	Feeding management in goat	1	3	0	17	20
	Disease management	Importance of vaccination in animals and vaccination programme for cattle	1	3	0	17	20
	Rearing pond management	Rearing pond management technique	1	3	0	17	20
Home Science	Capacity building	Upkeeping of silk garment	1	3	0	17	20
	Drudgery reduction	Making smokless chulha	1	3	0	17	20
	Household food security by kitchen gardening and nutrition gardening	Nutritional gardening for better family, health & nutrition	1	3	0	17	20
Plant Protection	Integrated Disease Management	IDM in paddy	1	3	0	17	20
	Bio control of pest and diseases	Use of Bio agents to manage pest of pigeon pea	1	3	0	17	20
	Biological control	Management of pod borer by bio-control agents	1	3	0	17	20
		Total	**15**	**45**	**0**	**255**	**300**
III Quarter (July 2022 to Sept. 2022)							
Horticulture	Ornamental plants	Management of potted ornamental plants	1	3	0	17	20

	Ornamental plants	Scientific cultivation of gladiolus	1	3	0	17	20
	Cultivation of vegetables	Production and management technology of Pointed gourd	1	3	0	17	20
Agril Engg	Sowing technique	Advantages of row sowing for rabi crops	1	3	0	17	20
	Repair and maintenance of farm machinery and implements	Operation, care and maintenance of zero-till seed drill	1	3	0	17	20
	Harvesting and Threshing machines	Harvesting and Threshing machines	1	3	0	17	20
Vet. & Ani. Science	Goat farming	Care and management of goat and their kids in winter	1	3	0	17	20
	Green fodder production	Azolla culture and Moringa Plant importance	1	3	0	17	20
	Fodder Mangemnet	Silage making and its importance	1	3	0	17	20
Home Science	Storage loss minimization	Making storage structure by local materials	1	3	0	17	20
	Value addition & Income generation	Art & Craft work	1	3	0	17	20
	Income generation activities for empowerment of rural women	Banana fiber extraction and preparation of products from fiber	1	3	0	17	20
Plant Protection	Integrated Disease Management	Integrated Disease Management in potato	1	3	0	17	20
	Bio control of pest and diseases	Use of Bio agents to manage pest of vegetable	1	3	0	17	20
	Integrated pest management (IPM)	IPM in paddy crop	1	3	0	17	20
		Total	**15**	**45**	**0**	**255**	**300**
	IV quarter (Oct. 2022 to Dec. 2022)						
Horticulture	Cultivation of fruits	Management of flower drop in litchi	1	3	0	17	20
	Yield Increment	Use of growth hormone to increase the yield in vegetable	1	3	0	17	20
	Off season Vegetables	Cultivation of off season vegetable	1	3	0	17	20
Agril Engg	Mechanization of orchard	Mechanization of fruit orchard	1	3	0	17	20

	Repair and maintenance of farm machinery and implements	Care and maintenance of farm equipment	1	3	0	17	20
	Tractors and their power units	Variations in Tractor and its matching implements	1	3	0	17	20
Vet. & Ani. Science	Dairy Farming	Transition Management	1	3	0	17	20
	Poultry farming	Backyard poultry/alternative species faming	1	3	0	17	20
	Disease management	Importance of vaccination in animals and vaccination programme for cattle, Sheep, Goat	1	3	0	17	20
Home Science	Value addition	Preservation of seasonal fruits and vegetable.	1	3	0	17	20
	Capacity building	Upkeeping of house hold	1	3	0	17	20
	Art & craft	Emboss painting	1	3	0	17	20
Plant Protection	Integrated disease management on vegetable crops	Method to control pest and diseases using integrated approaches	1	3	0	17	20
	Integrated disease management on vegetable crops	Method to control pest and diseases using integrated approaches	1	3	0	17	20
	Integrated pest management (IPM)	IPM in paddy crop	1	3	0	17	20
		Total	**15**	**45**	**0**	**255**	**300**

(c) Rural youths

Discipline	**Thematic Area***	**Title**	**Duration**	**No. of participants**			
				SC	**ST**	**Oth.**	**Total**
I Quarter (Jan. 2022 to March 2022) -Nil							
	II Quarter (April 2022 to June 2022)						
Horticulture	Nursery management of horticulture crops	Nursery raising techniques vegetables and fruit	04	03	0	17	20
Agril Engg	Irrigation technique	Solar irrigation pump system	04	03	0	17	20
Vet. & Ani. Science	Poultry	How to establish a poultry farm for employment generation	04	03	0	17	20
Home Science	Rural craft	Preparation of soft toys and value addition	04	03	0	17	20
Plant Protection	Mushroom Production	Techniques of all type of mushroom production	04	03	0	17	20
		Total :	**20**	**15**	**0**	**85**	**100**
	III Quarter (July 2022 to Sept. 2020)						

Horticulture	Commercial fruit production	Commercial fruit production	04	03	0	17	20
Agril. Engg	Small scale entrepreneurship	Fabrication hand tools including hoe	04	03	0	17	20
Vet. & Ani. Science	IFS	Different models of IFS based on animal husbandry	04	03	0	17	20
Home Science	Capacity building	Mithila painting	04	03	0	17	20
Plant Protection	Bee keeping	Management of bee colony in different seasons	04	03	0	17	20
		Total	**20**	**15**	**0**	**85**	**100**
	IV Quarter (Oct. 2022 to Dec. 2022)						
Horticulture	Training and pruning of orchard	Training and pruning of orchard	04	03	0	17	20
Agril. Engg	Custom hiring	Custom hiring of agro based sprayer in orchards	04	03	0	17	20
Vet. & Ani. Science	Dairy farming	Dairy management of animals	04	03	0	17	20
Home Science	Capacity building	Cutting & stitching of lady garments	04	03	0	17	20
Plant Protection	Integrated Disease Management	New molecules for disease management in Kharif crops	04	03	0	17	20
		Total	**20**	**15**	**0**	**85**	**100**

(d) Extension Functionaries

Discipline	**Thematic Area***	**Title**	**Duration**	**No. of participants**			
				SC	**ST**	**Oth.**	**Total**
I Quarter (Jan. 2022 to March 2022) Nil							
	II Quarter (April 2022 to June 2022)						
Horticulture	Value addition	Value addition of ornamental crops	01	03	0	17	20
AgrilEngg	Sowing mechanization	Promotion of DSR using seed drill and hand hoe	01	03	0	17	20
Vet. & Ani. Science	Dairy management	Scientific dairy farming	01	03	0	17	20
Home Science	Women and child care	Care of low weight baby	01	03	0	17	20
Plant Protection	Integrated Pest Management in Paddy	New molecules for pest management in Paddy	01	03	0	17	20
		Total	**5**	**15**	**0**	**85**	**100**
	III Quarter (July 2022 to Sept. 2022)						
Horticulture	Landscaping	Landscaping of public places	01	03	0	17	20
Agril. Engg	Farm	Types of hand hoe and	01	03	0	17	20

	mechanization	its utility					
Vet. & Ani. Science	Management in farm animal	Vaccination schedule and procedure	01	03	0	17	20
Home Science	Women and child care	Nutrition for child care	01	03	0	17	20
Plant Protection	Integrated Pest Management	New molecules for pest management in Kharif crops	01	03	0	17	20
		Total	**5**	**15**	**0**	**85**	**100**
	IV Quarter (Oct. 2022 to Dec. 2022)						
Horticulture	Flower production	Commercial production of flower crops	01	03	0	17	20
Agril. Engg.	Farm mechanization	Ploughs and ploughing methods for summer ploughing	01	03	0	17	20
Vet. & Ani. Science	Low cost and nutrient efficient diet designing	Food for old age people.	01	03	0	17	20
Home Science	Minimum cost diet	To prepare nutritious diet by using local food.	01	03	0	17	20
Plant Protection	Integrated Pest Management	New molecules for pest management in Summer crops	01	03	0	17	20
		Total	**5**	**15**	**0**	**85**	**100**

(e) Vocational

Discipline	**Thematic Area***	**Title**	**Duration**	**No. of participants**			
				SC	**ST**	**Others**	**Total**
Horticulture	Ornamental crops	Commercial cultivation of loose flowers (rose, marigold, tuberose)	05	03	-	17	20
Agril. Engg	Farm mechanization	Farm machinery operation & maintenance	05	03	-	17	20
Vet. & Ani. Science	Dairy management	Feeding of dairy animals during pregnancy	05	03	-	17	20
Home Science	Income generation	Bangle making from lah	05	03	-	17	20
Plant Protection	IPM	Integrated pest and disease management	05	03	-	17	20
		Total	**25**	**15**	**0**	**85**	**100**

Frontline demonstration to be conducted

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.)(Approx)		Total No of Farmers
					Name of Inputs	Demo	
01	Mango Orchard	4.0	Fruit fly Trap	Yield & B:C ratio	Fruit fly Trap	**20000**	**25**
02	Brinjal	4.0	Pheromone Trap	Yield & B:C ratio	Pheromone Trap	**20000**	**25**
03	Poultry	1.0	Poultry backyard	Body Growth & B:C ratio	Vanraja chicks & pre starter feed	**25000**	**25**
04	Goatery	1.0	Mineral supplement in Goats	Body Growth & B:C ratio	Mineral Mixture formulated for goats	**18000**	**25**
05	Kharif Onion	1.0	Bhima Super	Yield, B:C ratio	Seed	**10000**	**25**
06	Okra (Bio fortified)	1.0	Kashi Lalima	Yield, B:C ratio	Seed	**20000**	**25**
07	Wheat	1.0	CIAE sickle	Yield, B:C ratio	CIAE sickle	**15000**	**25**
08	Paddy	1.0	Grubber	Yield, B:C ratio	Grubber	**15000**	**25**
09	Nutri garden	10	HYV - Vegetable seed	Yield, B:C ratio	HYV - Vegetable seed	**10000**	**25**
10	Mushroom production	25	Oyster Mushroom production	Yield, B:C ratio	Spawn	**15000**	**25**
					Total :	**132000**	**250**

4. 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	10	310	100	410		15	05	20	325	105	430
2.	Kisan Mela	02	500	200	700		50	10	70	550	210	760
3.	Kisan Ghosthi	10	310	100	410		15	05	20	325	105	430
4.	Exhibition	02	15	05	20		02	0	02	17	05	22
5.	Film Show	05	15	05	20		02	0	02	17	05	22

6.	Method Demonstrations	05	15	05	20		02	0	02	17	05	22
7.	Farmers Seminar	02	50	10	60		10	05	15	60	15	75
8.	Workshop	01	50	10	60		10	05	15	60	15	75
9.	Group meetings	02	15	05	20		02	0	02	17	05	22
10.	Lectures delivered as resource persons	40	-	-	-	-	-	-	-	-	-	-
11.	Advisory Services	315	150	30	180	-	20	10	30	170	40	210
12.	Scientific visit to farmers field	430	-	-	-	-	-	-	-	-	-	-
13.	Farmers visit to KVK	1050	-	-	-	-	-	-	-	-	-	-
14.	Diagnostic visits	20	-	-	-	-	-	-	-	-	-	-
15.	Exposure visits	02	50	10	60		10	05	15	60	15	75
16.	Ex-trainees Sammelan	02	50	10	60		10	05	15	60	15	75
17.	Soil health Camp	05	50	10	60		10	05	15	60	15	75
18.	Animal Health Camp	02	50	10	60		10	05	15	60	15	75
19.	Agri mobile clinic	01	50	10	60		10	05	15	60	15	75
20.	Soil test campaigns	15	310	100	410		15	05	20	325	105	430
21.	Farm Science Club Conveners meet	02	50	10	60		10	05	15	60	15	75
22.	Self Help Group Conveners meetings	02	50	10	60		10	05	15	60	15	75
23.	MahilaMandals Conveners meetings	02	50	10	60		10	05	15	60	15	75
24.	Celebration of important days (specify)	15	310	100	410		15	05	20	325	105	430
25.	Swatchta Hi Sewa	01	310	100	410		15	05	20	325	105	430
26.	MahilaKisanDiwas	01	50	10	60		10	05	15	60	15	75
	Total	**1939**	**2810**	**860**	**3670**		**263**	**100**	**373**	**3073**	**960**	**4033**

5. Revolving Fund (in Rs.)

Opening balance of 2020-2021	Amount proposed to be invested during 2022	Expected Return
393312.00	763171.00	

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

Home science

OFT -1

1	**Title of On Farm Trial**	**Development and quality evaluation of honey based carrot candy**
2	**Problem Diagnose**	Children are consuming locally available candies which have poor nutritive value
3	**Details of Technologies selected for assessment/refinement**	**T.O.1- Children consume fresh carrot as such as vegetables or juice.** **T.O.1: Preparation of Carrot candy Honey- 750g + carrot-1000g** **T.O.2: Honey-1000g + carrot-1000g** **T.O.3: Honey-1250g + carrot- 1000g**
4	**Source of Technology**	Aligarh Muslim University
5	**Replication**	07
6	**Production System & Thematic Area**	Value Addition
7	**Performance of Technology with performance indicator**	Sensory Evaluation of the developed Carrot Candy for its acceptability, BC ratio
8	**Constraints identified and feedback for research**	-
9	**Process of farmers participation and their reaction**	a) Short lectures b) Demonstrations

OFT -2

1	**Title of On Farm Trial**	**Assessment of the effectiveness of Mittens for soybean harvesting**
2	**Problem Diagnose**	Problems faced by farm workers while performing harvesting of Soybean.
3	**Details of Technologies selected for assessment/refinement**	**T.O.1:- Soybean harvesting is performed manually with the help of sickle.** **T.O.2 Using locally available gloves for cutting, collecting and bundling plants manually** **T.O.3: Using protective mittens developed by AICRP FRM, College of Home Science, VNMKV Parbhani**

		for soybean harvesting.
4	**Source of Technology**	**ICAR-IIMR, Regional Station Begusarai**
5	**Replication**	07
6	**Production System & Thematic Area**	Drudgery Reduction
7	**Performance of Technology with performance indicator**	Soybean harvesting efficiency (%) , overall discomfort rate, Musculo-skeletal problem, Drudgery index
8	**Constraints identified and feedback for research**	**-**
9	**Process of farmers participation and their reaction**	a) Short lectures b) Demonstrations

Agriculture Engineering

OFT -3

1	**Title of On Farm Trial**	**Assessment of different weeding tools in paddy crop**
2	**Problem Diagnose**	High weed infestation during different stages of crop
3	**Details of Technologies selected for assessment/refinement**	T.O. 1 Farmers' practice (manual inter culturing with local tool/hand) T.O. 2 Manual interculturing with wheel hoe T.O. 3 Manual interculturing with grubber/power weeder
4	**Source of Technology**	ICAR-CIAE, Bhopal & RPCAU, Pusa
5	**Replication**	7
6	**Production System & Thematic Area**	weeding mechanization
7	**Performance of Technology with performance indicator**	1. Field capacity 2. Cost of interculturing 3. Ergonomic evaluation 4. B:C ratio
8	**Constraints identified and feedback for research**	-
9	**Process of farmers participation and their reaction**	Training and Field day.

OFT -4

1	**Title of On Farm Trial**	**Drudgery reduction of Farmers through improved maize sheller.**
2	**Problem Diagnose**	Drudgery among farmers during manual shelling of maize
3	**Details of Technologies selected for assessment/refinement**	T.O. 1 Maize shelling manually and no use of any tools. T.O. 2 Maize shelling with the help of tubular maize sheller T.O. 3 Maize shelling through hand operated maize sheller
4	**Source of Technology**	ICAR-CIAE, Bhopal & RPCAU, Pusa
5	**Replication**	07
6	**Production System & Thematic Area**	Maize shelling mechanization
7	**Performance of Technology with performance indicator**	1. Pulse rate 2. ECG 3. Oxygen level 4. BP Level 5. Body temperature 6. Rest pause time 7. B:C ratio
8	**Constraints identified and feedback for research**	
9	**Process of farmers participation and their reaction**	Training, method demonstration.

Plant Protection

OFT -5

1	**Title of On Farm Trial**	**Management of the late blight (*Phytophthora infestans*) disease of potato**
2	**Problem Diagnosed**	**Non-availability of enough quantity of quality seed materials of resistant cultivars forces the farmers to grow susceptible cultivars with proper fungicide scheduling**
3	**Details of Technologies selected for assessment/refinement**	**T.O.1**-Farmers Practice-High use of fungicide without reccomendation **T.O.2**- Chlorothalonil followed by ametoctradin + dimethomorph 1L/ha. The first application of contact fungicide (chlorothalonil) was made as a prophylactic application at 25 days after planting. The other five sprays were applied at six to twelve days interval depending on the disease severity. **T.O.3**-Spraying of Azoxystrobin 23% SC (Rainbow) @ 600 ml

		ha-1 immediately after the first appearance of disease symptoms followed by two sprays at 10 days interval.
4	**Source of Technology**	**CPRI Shimla, AICRP BCKV WB**
5	**Replication**	**07**
6	**Size of plot of each replication**	0.5
7	**Production System & Thematic Area**	**Integrated Disease Management**
8	**Performance of Technology with performance indicator**	**Late blight, yield attributes and B:C ratio**
9	**Constraints identified and feedback for research**	Lack of knowledge among farmers about technology.
10	**Process of farmers participation and their reaction**	Training, field days.

OFT -6

1	**Title of OFT**	Effective Management of Vector Borne Virus Disease and Insect-pest of Tomato through Integrated Approaches.
2	**Problem diagnosed**	Huge losses of marketable fruit yield and high infestation with different diseases has rendered open field tomato production uneconomical.
3	**Detail of technologies selected for assessment**	**T.O.1- Farmers Practice:** High use of Insecticide **T-O-2** Nursery treatment: a. Seed priming with Seed Pro @4g/kg, b. Soil application of Seed Pro @10g/kg of soil while potting, and c. Soil drenching with Seed Pro @5% after seed germination. Main field treatment: ➢ Seedling dip with 0.1 % (Carbendazim 12%+Mancozeb 63% WP) ➢ Growing of two rows of maize as boarder crop in the main field sown 30 days before transplanting of tomato seedling accommodating 25 plants in individual plot measuring 3 m x 3 m. a. Spray with Acephate 75% WP @1.5g/l on 10 DAT b. Spray with Fipronil 5% SC @1.5ml/l on 20 DAT c. Spray with Copper hydroxide 77% WP (2.0g/l) on 25 DAT d. Spray with imidacloprid 70% WG @2g/15l on 40 DAT e. Spray with Fenamidone 10% + Mancozeb 50% WDG (0.25%) two to three times from 45 DAT at 10 days intervals

		T-O-3 Nursery treatment Seed treatment with imidacloprid @ 8g/kg, Main field treatment ➢ Seedling dip of imidacloprid @ 0.5ml/L ➢ Growing of two rows of maize as boarder crop in the main field sown 30 days before transplanting of tomato seedling accommodating 25 plants in individual plot measuring 3 m x 3 m. ➢ Rotational spraying of insecticides (Acephate @ 1.5 g/L + Neem Oil @ 2.0ml/L) + (Fipronil @ 1.0 ml/L + Neem Oil @ 2.0ml/L) + (Imidacloprid @ 2 g/15L + Neem oil @ 2.0ml/L) + (Cyazypyr @ 1.8ml/L) at 7 days interval starting from 21 DAT till fruit formation.
4	**Source of technology**	AICRP on vegetable crops BCKV, WB
5	**Replication**	07
6	**Production system/Thematic area**	Integrated Pest Management
7	**Performance of tech. with performance indicator**	White fly infestation, early and late blight, yield attributes and B:C ratio
8	**Constraints identified & feedback for farmers**	
9	**Process of farmers participation and their reaction**	Training, field day

Animal Science

OFT -7

1	**Title of OFT**	**Effect of feeding Complete Feed Block with Feed additives on performance in Dairy Animals**
2	**Problem diagnosed**	High transportation cost and is one of reasons for Field Burning of Straw Problems in **storage** leads to Mould contamination and mycotoxins risk in feed to food chain Balanced Ration for livestock
3	**Detail of technologies selected for assessment**	**T.O.1 Wheat straw and concentrate feeding**
		T.O. 2: Compressed feed Block feeding
		T.O. 3: Total Mixed ration feeding

		T.O. 4: Compressed Feed Block with Organic acids and Enzyme feeding
4	**Source of technology**	ICAR-IVRI
5	**Replication**	7
6	**Production system/Thematic area**	Dairy management/Feed management
7	**Performance of tech. with performance indicator**	DMI increase Milk production Ease of storage Mycotoxins control

OFT -8

1	**Title of OFT**	Effect of Milk Replacer on Kid mortality and growth rate
2	**Problem diagnosed**	Higher Kid mortality upto weaning age Lower Body weight gain in kids
3	**Detail of technologies selected for assessment**	**T.O.1: Regular farming practice-Goat Milk**
		T.O. 2: Use of skim milk
		T.O. 3: Use of Milk Replacer
4	**Source of technology**	ICAR-NDRI
5.	**Replications**	07
6	**Production system/Thematic area**	**Feeding Management**
7	**Performance of tech. with performance indicator**	Kid Mortality percentage Body weight gain in Kids Economical Parameters
8	**Constraints identified & feedback for farmers**	Awareness campaign Field Visit Trial and Demonstration
9	**Process of farmers participation and their reaction**	Training & demonstration

Horticulture

OFT: 09

1	**Title of On-Farm Trial**	**Effect of Micronutrient mixture (Arka Vegetable Special) on yield and quality of Tomato**
2	**Problem Diagnose**	Farmers are getting low yields due to a lack of awareness of the importance of micronutrients and low market prices due to poor-quality fruits.

3	**Details of Technologies selected for assessment/refinement**	T.O.1-Farmer Practice – No foliar application of micronutrients TO.2-Three foliar spray of Arka vegetable special @ 5gr/lit. during the crop growth (45, 60, 75 DAT) + RDF (120:80: 80 NPK kg/ha) TO.3-Three foliar spray of micronutrient fertilizer grade-V (Micro mix -V) @ 2gr/lit during the crop growth (45, 60, 75 DAT) + RDF (120:80: 80 NPK kg/ha)
4	**Source of Technology**	IIHR, Bangalore
5	**Replication**	07
6	**Production System & Thematic Area**	Vegetable cultivation
7	**Performance of Technology with a performance indicator**	Number of fruits/plants, fruit weight (g), yield /plant, crop duration (days), and B:C Ratio
8	**Constraints identified and feedback for research**	-
9	**Process of farmers' participation and their reaction**	Training and Field Day.

OFT: 10

1	**Title of On-Farm Trial**	**Assessment of nutrient management in Brinjal for growth and yield attributes**
2	**Problem Diagnose**	Farmers getting low yields due to imbalanced use of fertilizers and are unaware of new technologies for the cultivation of brinjal
3	**Details of Technologies selected for assessment/refinement**	TO.1-Farmer Practice – no use of fertilizer TO.2-FYM 8 tonnes/acre + RDF (40:20:20 kg/acre) TO.3-Vermicompost 4 tonnes/acre + RDF (40:20:20 kg/acre) + Azospirillum (1 kg/acre)
4	**Source of Technology**	JNKVV,Jabalpur, Madya Pradesh
5	**Replication**	07
6	**Production System & Thematic Area**	Nutrient management
7	**Performance of Technology with a performance indicator**	Fruit length (cm), fruit diameter (cm), number of fruits/plants, fruit weight (g), yield /plant, and B:C Ratio
8	**Constraints identified and feedback for research**	-
9	**Process of farmers'**	Training and Field Day.

	participation and their reaction	

OFT- 11

1	**Title of On Farm Trial**	**Bearing regulation in litchi through girdling of primary branches**
2	**Problem Diagnose**	Irregular bearing at the young stage of the plant in all litchi cultivars and alternate bearing in cultivars of the China group in particular..
3	**Details of Technologies selected for assessment/refinement**	ICAR-NRC on Litchi scientists have developed a technique of getting regular flowering and fruiting in litchi through girdling of primary branches. TO.1- Farmers practice- No girdling of primary branches due to lack of knowledge about girdling in litchi plants TO.2- Girdling 2mm diameter on 50% primary branches TO.3- Girdling 3mm diameter on 50% primary branches
4	**Source of Technology**	ICAR-NRC Litchi
5	**Replication**	07
6	**Production System & Thematic Area**	Fruit (Regulate flowering and fruiting in litchi)
7	**Performance of Technology with performance indicator**	➢ Flowering induced (%) ➢ Days to flowering after girdling ➢ Fruits per panicle ➢ Fruit yield per plant kg/plant ➢ Fruit drop and cracking (%) ➢ B:C ratio
8	**Constraints identified and feedback for research**	-
9	**Process of farmers participation and their reaction**	Training and Field Day.

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

Sl. No.	Name of the project	Fund expected (in lacks)
1	CFLD on Pulses under NFSM	12.0
2	Enhancing productivity of Rice-Wheat cropping system through	4.00

	assured irrigation	
3	Dairy Training Program for women-Proposed	1.72
	Total :	

No. of success stories proposed to be developed with their tentative Titles: 05

Scientific Advisory Committee

Date of SAC meeting held during 2020-21	Proposed date during 2022
22.10.20212	21.09. 2022

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	500	50	50	-	-	300	100	350	150	500		
Water Samples	-	-	-	-	-	-	-	-	-	-	-	-
Other (Please specify)	-	-	-	-	-	-	-	-	-	-	-	-
Total	500	50	50	-	-	300	100	350	150	500		

Fund requirement and expenditure (Rs.)*

	Expenditure (last year) (Rs in Lakh.) 2021-22	Expected requirement (Rs.) 2022-23
Recurring		
Pay & allowance	1400000	10395288
Contingency	356000	790000
TA	60000	75000
Total	**556000**	**11260288**
Non-recurring (specify)		
i) Work (Staff quarter & Demo units)	-	-
ii)Equipment, furniture & furnishing	-	-
iii)Soil water & testing	-	-
iv) Boundary wall for administrative building	-	-
v) Farm equipment shed	-	-
vi)Pump house	-	-
vii)New official vehicle	-	-
Total	-	-
G.Total	**556000**	**11260288**

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