

ACTION PLAN

(JANUARY to DECEMBER 2023)

KRISHI VIGYAN KENDRA, MUZAFFARNAGAR-II

1. General Information about the KVK

1.1. Name and address of the KVK

Address	Telephone		E-Mail	Website
	Office	FAX		
KRISHI VIGYAN KENDRA, CHITTODA, DISTT.- MUZAFFARNAGAR (U.P.) PIN- 251314	09412311560		kvkmuzaffarnagar02@gmail.com	muzaffarnagar2.kvk4.in

1.2.a. Name and address of the host organization

Address	Telephone		E-Mail	Website
	Office	FAX		
DIRECTORATE OF EXTENSION Sardar Vallabhbhai Patel University of Agriculture & Technology, Meerut.-250110	0122- 2888511	0122- 2888505 2888540	deesvpuat2014@gmail.com	svpuatmeerut.ac.in

1.2.b. Status of KVK website : Developed : muzaffarnagar2.kvk4.in

1.2.c. No. of Visitors (Hits) to your KVK website (as on today) : NA

1.2.d Status of ICT lab at your KVK : NA

1.3. Name of the Head :

Name	Telephone/ Contact		
	Office	Mobile	E-Mail
Dr. Prabha Shankar Tiwari	-	09412311560	kvkmuzaffarnagar02@gmail.com

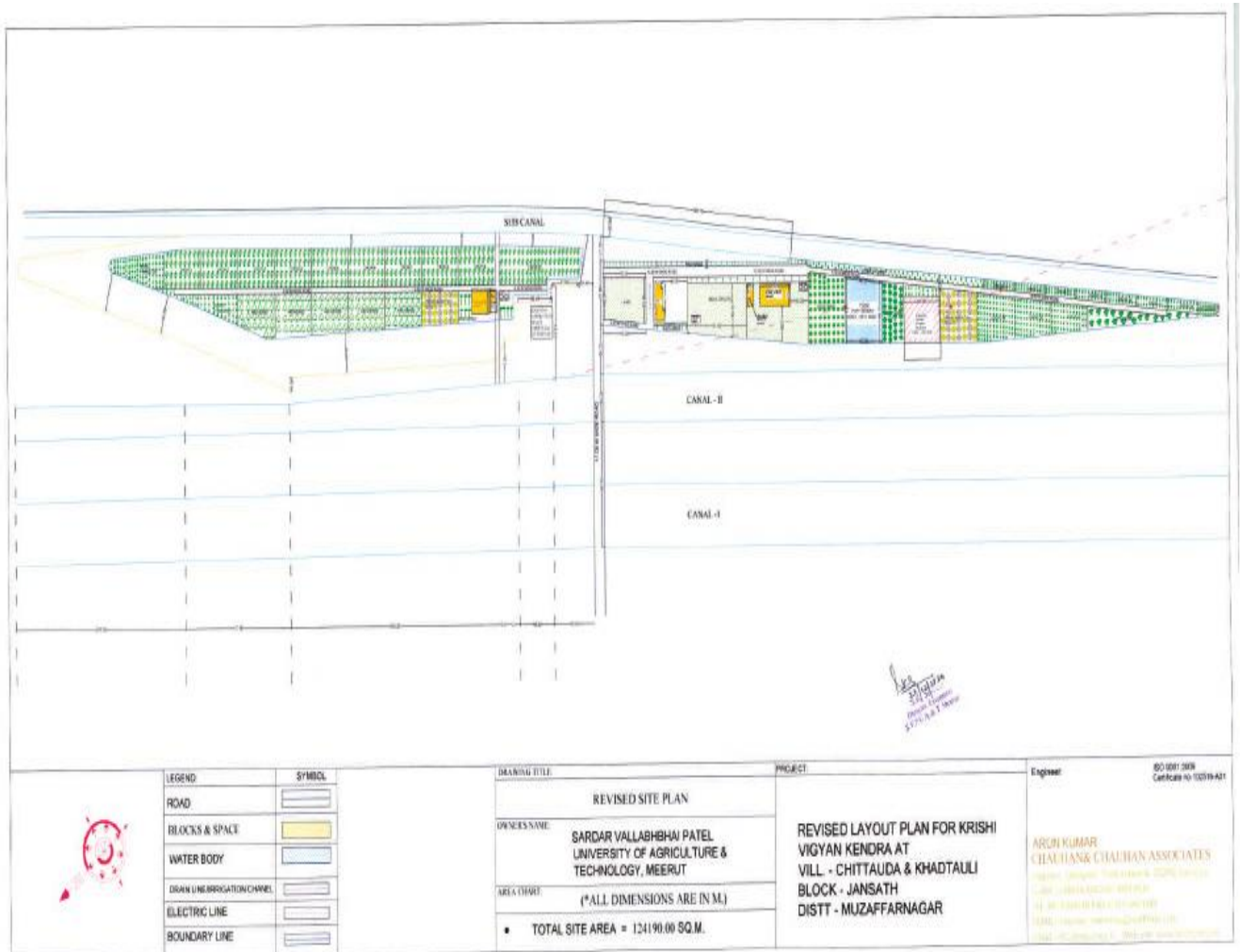
1.4 . Year of Sanction : 2018

1.5. Staff Position (as on 01 Aug. 2022)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Grade Pay	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/ Others)	Mobile No.	Email id	Please attach recent photograph
1	SMS	Dr. Prabha Shankar Tiwari	Professor	Agril. Engineering	37400-67000	10000	1,77,400	01/07/98	Permanent	GEN	9870949564	drpsteng@gmail.com	
2	SMS	Dr. Surendra Kumar	SMS/ Asstt. Prof.	Agril. Extension	15600-39100 8000	8000	1,01,100	18/07/08	Permanent	OBC	9319304168	sktanwar_kvkbaghpat@rediffmail.com	
3	SMS	Dr. Yesh Pal Singh	SMS/ Asstt. Prof.	Horticulture	15600-39100 8000	8000	98,200	19/01/09	Permanent	OBC	9457111952	ypsingh76@gmail.com	
4	SMS	Dr. Mohamad Hasnain	SMS	Agronomy	15600-39100	5400	56100	01/07/22	Permanent	OBC	8447286856	mdhasanain49542@gmail.com	
5	SMS	Dr. Saumya Pandey	SMS	Fisheries	15600-39100 8000	5400	56100	06/07/22	Permanent	GEN	9453912200	saumyasmsfisheries@gmail.com	
6	SMS	Dr. Pooja	SMS	Home Science	15600-39100	5400	56100	28/07/22	Permanent	OBC	9023739120	poojakaundal0007@gmail.com	
7	Programme Asstt.	Dr. Jitendra Arya	Programme Asstt.	Horticulture	9300-34800	4800	86,100	01/07/98	Permanent	OBC	9412311554	jkarya67@gmail.com	
8	Programme Asstt	Mr. Sanjeev Kumar	Programme Asstt.,/ Farm Manager	Agronomy	9300-34800	4800	68,000	23/01/04	Permanent	OBC	8392955124	sanjeevk1970@gmail.com	
9	Computer Programmer	Mr. U. S. Rathi	Programme Asstt., Computer	Computer Science	9300-34800	4600	56,900	30/07/07	Permanent	OBC	9012347688	uttam.svp@gmail.com	
10	Driver	Mr. Harish Kant Sharma	Driver	--	5200-20200	2800	45,400	01/07/98	Permanent	GEN	9027224876	-	
11	Supporting Staff	Mr. Udaivir	Attendant	--	4440-7440	2800	38,600	01/07/98	Permanent	OBC	8445125399	udaivirs055@gmail.com	

1.6. Total land with KVK (in ha) : 12.419 ha.

S.No	Item	Area (ha)
1.	Under Building	0.055
2.	Under Demonstration Units	-



1.7. Infrastructure Development:

A). Building

S. No.	Name of the Building	Source of fund	Stage Complete		
			Completion date	Plinth area in Sqm.	Sanctioned budget (Rs)
1.	Administrative Building	ICAR	Jan., 2022	550 sqm	15.84 lac
2.	Farmers Hostel	-	-	-	-
3.	Staff Quarters (6)	-	-	-	-
4.	Demonstration Unit (2)	-	-	-	-

B). Vehicles

Type of Vehicle	Year of Purchase	Cost (Rs.)	Total KMS Run	Present Status	Required replacement
Bolero Jeep UP12 AG 0581	2022	800000.00	10,500 KM	Working	No
Motorcycle	-	-	-	-	-
Bicycle	-	-	-	-	-

C). Equipments & AV Aids

Name of Equipment	Year of Purchase	Cost (Rs.)	Present Status	Required replacement
Equipments				
Computer	-	-	Working	
Farm Implements :				

1.8. A. Details of SAC meeting to be Conducted in the year

S. No.	Date
1.	Dec. 2021

2. Details of District (2021-2022)

2.1 Major Farming System/ enterprises (based on analysis made by KVK)

- S. Cane based + A.H+ Horticulture
- S. Cane based + A.H+ Vegetable + Floriculture
- S. Cane based + A.H + Horticulture

2.2 Description of Agro climatic Zone & major agro ecological situations

Sl. No.	AES	Characteristics of AES	Major Commodities	Farming System	Blocks
1.	AES-1	More than 85% Area, Sandy Loam Soil	S.Cane, Wheat, Rice, Jowar, Mango, Potato	S. Cane based + A.H+ Horticulture + Mustard	Purkaji, Morna & Jansath
2.	AES-2	More than 95%, Sandy Loam	S.Cane, Wheat, Jowar, Brinjal, Cabbage, Gladiolus, Tuberose,	S. Cane based + A.H+ Vegetable+ Floriculture + Mustard	Khatauli

2.3 Soil Type/s

S.No.	Soil Type	Characteristics		Area (ha)
		Soil particle Diameter (mm)	Water holding capacity	
1.	Sandy	2 - 0.2 mm,	Poor	17633
2.	Sandy loam	0.2 - 0.02 mm,	Medium	128334
3.	Loam	0.02 - 0.002 mm	Average	78186
4.	Clay loam	>than 0.002 mm	Good	5126
		Total		220269

2.4. Area, Production & Productivity of major crops cultivated in the district in 2020

S.N	Crop	Area (ha)	Productivity (Qt./ha)
1.	Sugarcane	132004.00	812.00
2.	Wheat	80254	41.17
3.	Paddy	11580	23.36
4.	Blackgram	717	5.40
5.	Greengram	100	4.14
6.	Lentil	285	6.91
7.	Gram	270	1074
8.	Pea	360	13.89
9.	Pigeon Pea	37	8.04
10	Mustard	4018	12.35
11	Potato	3260	230.01
12	Cotton	274	1.30
13	Maize	250	15.75

2.5 Weather Data

Month	Rainfall (mm)	Temperature ° C		Relative Humidity (%)
		Maximum	Minimum	
January 2021	59.8	17.6	6.5	91
February 2021	40.0	22.4	7.8	87
March 2021	116.0	26.4	12.4	80
April 2021	35.8	32.6	17.7	64
May 2021	53.4	35.6	22.4	64
June 2021	87.6	35.3	24.5	78
July 2021	324.8	33.0	23.9	79
August 2021	240.0	32.5	24.7	90
September 2021	40.0	34.1	23.8	87
October 2021	0.6	30.7	18.2	83
November 2021	33.2	26.7	13.2	83
December 2021	35.6	17.4	6.7	90

2.6 Production & Productivity of Livestock, Poultry, Fisheries in the district

Category	Population	Production	Productivity
Cows			
Crossbred	35460	413514 liter/day	1800-3178 liter/lactation
Indigenous	133459		1200-2270 liter/lactation
Buffalo	204306	1790140 liter/day	1360-2270 liter/lactation
Sheep		--	--
Crossbred	223	Wool - 11873 kg/year	--
Indigenous	8478		
Goats	20429	5294 mt	180-544 lit/lactation
Pigs			
Crossbred	10543	12012000 kg meat	--
Indigenous	24856		
Rabbits	281	--	--
Poultry			
Hens			
Desi	54502	163589 kg meat	1.0 kg
Improved	109087		
Ducks	1642	--	--
Turkey	20	--	--
Camel	41	--	--

Fisheries

Category	Area (ha)	Production	Productivity
Fish	1239	40887 qt	30-35

2.7 Details of Operational area/ Villages (2022)

S. No.	Taluk	Name of Block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust areas
1.	Khatauli	Khatauli	Nauna, Mogpur, Pal	Sugarcane	High infestation of insect & disease	Insect & disease mgt. through IPM
				Gladiolus	Low yield due to use of local variety and rotten corm	Introduction of HYV & Disease mgt.
				Vegetables	Local variety, Imbalance fertilizer application, Infestation of pest	Introduction of HYV IPNM IPM
2.	Jansath	Jansath	Nagla Kabir, Sikhada, Chittora	Sugarcane	Poor yield due to no use of organic matter	Promoting of organic manure
				Wheat	Low yield due to imbalance use of fertilizer	IPNM in Wheat
				Merigold	Use of local seed, High infestation of disease	Introduction of HYV Disease mgt.
				Vegetables	Local variety, Imbalance fertilizer application, Infestation of pest	Introduction of HYV IPNM IPM
				Barseem	Low yield due to local seed	Introduction of HYV
3.	Jansath	Morena	--	Sugarcane	High infestation of insect & isease	Insect & disease mgt. through IPM
				Wheat	Low yield due to imbalance use of fertilizer	IPNM in Wheat
				Vegetables	Local variety, Imbalance fertilizer application, Infestation of pest	Introduction of HYV IPNM IPM
4.	Sadar	Purkaji	--	Sugarcane	High infestation of insect & isease	Insect & disease mgt. through IPM
				Wheat	Low yield due to imbalance use of fertilizer	IPNM in Wheat
				Vegetables	Local variety, Imbalance fertilizer application, Infestation of pest	Introduction of HYV IPNM IPM

2.8 Priority Thrust Areas:

Crop/Enterprise	Thrust area
Sugarcane	Mechanization of Sugarcane Crop ,Intercropping with Sugarcane, IPNM, Weed management, IPM, IDM, Seed production,
Wheat	Mechanization of Wheat Crop, Integrated Nutrient Management, Weed management, IPM, IDM, Seed production, Foliar application of Micronutrients
Rice	Mechanization of Rice Crop, IPNM, Weed management, Hybrid rice, IPM, IDM, Seed production
Vegetables	IPNM & IPM
Oilseeds & Pulses crop	Mechanization of Oilseed & Pulses, Crop, Sulphur, IDM & IPM
Animals	Dairy Establishmnet, Endo & Ecto parasite control, Improving fertility

1. In-situ management of crop residue.
2. Popularization of drip irrigation in horticulture & Sugarcane crop.
3. Use of plastic culture in agriculture for floriculture & off season vegetable production.
4. Maintenance of soil productivity through soil test based nutrient management.
5. Promoting intercropping of Pulses, floriculture & vegetables with Sugarcane
6. Popularizing Bio- pesticides (Trichoderma, Beauveria Bassiana, etc) for management of early Shoot borer in Sugarcane crop.
7. Promoting high value floriculture as diversification enterprise for extra income generation.
8. Promoting off season vegetable nursery

3. TECHNICAL PROGRAMME

3. A. Details of targeted mandatory activities by KVK

OFT		FLD	
1		2	
Number of OFTs	Number of Farmers	Area (ha)	Number of Farmers
12	24	81.46	330

Training		Extension Activities	
3		4	
Number of Courses	Number of Participants	Number of activities	Number of participants
145	2650	1421	11703

Seed Production (Qtl.)	Planting material Production (Nos.)	Fish seed prod. (Nos.)	Soil Samples analyzed (Nos.)	Development of Soil Health Cards (Nos.)
(5)	(6)	(7)	(8)	(9)
-	25000	-	-	-

Quality seed distributed (q)	No. of saplings distributed (Nos.)	No. of fingerlings distributed (Nos.)	No. of livestock & poultry strains distributed (Nos.)
(10)	(11)	(12)	(13)
1000	1000	-	-

3. B. Abstract of interventions to be undertaken

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Trg. If any	Title of Trg. Of Ext. Personnel if any	Extension activities	Supply of seeds/ planting materials etc.
1.	Improving production & productivity of s. cane	Sugarcane	Low production & productivity of Sugarcane due to -- Late sowing -- Imbalance use of fertilizer -- Disease & insect infestation	- White grub mgt.	Mgt. of early shoot borer	Balance use of fertilizer White grub mat.	Fertilizer mgt in S. cane	Field day	Pesticide & Bio Pesticide
2.	Potential productivity of Sugarcane	Sugarcane	Exponential Reduction productivity Dominant use of Nitrogen and Phosphorus only	Site Specific Nutrient Management	SSNM	Nutrient supply on Target yield basis	Trench Planting and use of SSNM	Field day Trainings	Nutrients in the form of Fertilizers
3.	To increase the productivity of Wheat.	Wheat	--Low production of Wheat due to use of local variety -- Weed infestation -- Late sowing of wheat -- Imbalance use of fertilizer - Deficiency of nutrients	Varietal evaluation Nutrient Management	Weed mgt. Mgt. of karnal bunt & loose smut Nutrient Management	- Seed production of Wheat - Water mgt. - Weed mgt.	Introduction of HVY --	Rabi Gosthi, Field day	Seed (WH-1105, DBW 71) Secondary & Micronutrient
4.	Improving production & productivity of Rice	Rice	Low production & productivity of rice due to -- Poor varieties -- Imbalance use of fertilizer -- Disease & insect infestation	Varietal evaluation	Mgt. of Stem borer & rice neck blast -Weed mgt INM in Rice.	Crop prod. Mgt. IPM in rice INM Soil test based	IPM in rice INM in Rice	Field day	Seed(PB 1509, Vallabh 23) Bispyribac Sodium 10% @80 gm/ acre S & Zn apply on standing crop
5.	Improving production & productivity of vegetables	Cauliflower French bean Cabbage Chili Brinjal	Low production due to use of local variety --disease infestation -- Imbalance use of fertilizer	--	Introduction of HYV	Producing nursery raising techniques of vegetables & flowers	Scientific cultivation & IPM in vegetable crop	--do--	Improved seed
6.	Improving production & productivity of Fruits	Guava	Low production & productivity of Guava due to lack of technical knowledge	Mgt. of Wilt	Mgt of fruit Fly	--Crop regulation in Guava	Crop regulation & Orchard mgt	Field day & Gosthi	Bio- Pesticide & Fungicide

						-- Disease & Pest mgt -- Fertilizer mgt.	of Guava		
7.	Diversification through high value crops	Gladiolus , Tubrose, Merigold	Low production due to - Use of local variety - Disease infestation - Lack of technical knowledge	Varietal evaluation	Disease mgt.	-- Scientific cultivation of Gladiolus , -- Scientific cultivation of Tubrose -- Disease mgt of Gladiolus & Tubrose	Plant Propagation techniques	Field day ,Gosthi & Literature	Planting Material
8.	Improving production & productivity of Oilseeds & Pulses	Mustard Urd	Low production & Productivity due to -- Incidence of insect & disease -- Use of local variety -- Imbalance use of fertilizer -- lack of technical knowledge	--	Demo on HYV -	-- IPM in Mustard crop -- Aphid control in Mustard crop. - Role of sulphar in Oilseed crop. --Use & importance of Raziobium culture in Pulses crop --Disease & insect mgt.	Scientific cultivation of oilseed & Pulses	Field days, Gosthi & Literature	Mustard Seed- Pusa Mustard 25/28 Urd- IPU 02-43 /PU – 28/31/40
9.	Improving production of green fodder	Makkhan Grass	Introduction of new Fodder crop	--	Introduction (of HYV) of Makkhan Grass	--	--	----	Seed
10.	Drudgery reduction among farm women	Farm women	Poor skill due to lack of technical knowledge	Drudgery reduction	---	Drudgery reduction of farm women by improved agriculture implements	--	Do----	Improved Stool
11.	Malnutrition among rural family	Kitchen garden	No production of vegetables at domestic level	--	-- Nutritive kitchen garden	-- Role of sprouted pulse -- Making of mango jam. -- Role of green leafy vegetables	-- Nutrient mgt. of pre-schoolers	--do--	Seed & Saplings of fruit & vegetables Fruits & chemical preservatives

3.1 Technologies to be assessed and refined

A.1 Abstract on the number of technologies to be assessed in respect of crops

Thematic areas	Cereals	Pulses	Commercial Crops	Vegetables	Fish	TOTAL
Varietal Evaluation	1	-	-	2	-	3
Integrated Plant Nutrient Management	-	-	1	-	-	1
Intercropping	-	-	1	-	-	1
Water Management	-	-	1	-	-	1
Integrated Nutrient Management	1	-	-	-	-	1
Farm machineries	-	-	1	-	-	1
Value addition	-	-	-	1	-	1
Nutrient inadequacy		1	-	-	-	1
Fish feeding practice	-	-	-	-	1	1
Reduction in fish mortality	-	-	-	-	1	1
TOTAL	2	1	4	3	2	12

A.2. Abstract on the number of technologies to be refined in respect of crops : N.A.

A.3. Abstract on the number of technologies to be assessed in respect of livestock / enterprises : N.A.

A.4. Abstract on the number of technologies to be refined in respect of livestock / enterprises : N.A.

B. Details of each On Farm Trial

1. OFT on crop nutritional in sugarcane:

Crop/Enterprises	Sugarcane
Title of on-farm trial	Integrated plant nutrient management
Problem diagnosed	Low yield and imbalance nutrient application
Production system and thematic area	Sugarcane-Wheat- Sugarcane
Farming situation	Irrigated
Farmer's practices	T₁ - Farmers practice
Details of technologies selected for assessment/refinement	T₂ - IPNM
Source of technology	IISR, Lucknow
No. of farmers	2 (Area – 0.4 * 2 = 0.8 ha)
Replications/No. of locations	2
Critical input	Micronutrient mixture (20 kg FeSo ₄ +10kg ZnSo ₄ +10kg MnSo ₄ +5 kg CuSo ₄ +5 kg Borax/ha)
Performance indicators: (i)Technical, (ii)Economic, (iii) Social	Productivity, Profitability and Soil health
Cost of each location	2000/-
Total Cost of OFT	4000/-
Name of Scientist	Dr. Mohammad Hasanain (Agronomy)

2. OFT on Nitrogen management of Rice:

Crop/Enterprises	Rice
Title of on-farm trial	Nitrogen management
Problem diagnosed	Low yield due to poor nitrogen use efficiency
Thematic area	Crop Nutrients
Farming situation	Irrigated
Farmer's practices	T₁ - Farmer practices
Details of technologies selected for assessment/refinement	T₂ - Nano Urea
Source of technology	IFFCO
No. of farmers/ No. of locations	2 (Area – 0.4 * 2 = 0.8 ha)
Replications	02
Critical input	Nano Urea @500 ml/acre
Performance indicators i). Technical, ii). Economic iii) Social	Yield, NUE and B:C ratio
Cost of each location	800/-
Total Cost of OFT	1600/-
Name of Scientist	Dr. Mohammad Hasanain (Agronomy)

3. OFT on Varietal evaluation of Okra :

Crop/Enterprises	Okra
Title of on-farm trial	Varietal evaluation of okra
Problem diagnosed	Low yield due to use of local variety
Thematic area	Production & management technology
Farming situation	Irrigated
Farmer's practices	T₁ - Farmer practices (Use of local variety)
Details of technologies selected for assessment/refinement	T₂ - Kashi Lalima
Source of technology	ICAR-IIVR, Varanasi
No. of farmers/ No. of locations	2 (Area – 0.4 * 2 = 0.8 ha)
Replications	02
Critical input	Seed of Kashi Lalima
Performance indicators i). Technical ii). Economic iii) Social	Yield, Disease incidence, Net profit (Rs/ha), Acceptability of technology
Cost of each location	2500/-
Total Cost of OFT	5000/-
Name of Scientist	Dr. Yesh Pal Singh (Horticulture)

4. OFT on Varietal evaluation of Cauliflower :

Crop/Enterprises	Onion
Title of on-farm trial	Varietal Evaluation of onion
Problem diagnosed	Low yield and short durability
Production system and thematic area	Sugarcane-Wheat- Sugarcane
Farming situation	Irrigated
Farmer's practices	T₁ - Farmers practice (ALR)
Details of technologies selected for assessment	T₂ - NHRDF Red-4
Source of technology	NHRDF New Delhi
No. of farmers	2 (Area – 0.4 * 2 = 0.8 ha)
Replications/No. of locations	2
Critical input	Onion seed (NHRDF Red-4)
Performance indicators i) Technical ii) Economic iii) Social	Total yield /ha , Income B.C. ratio
Cost of each location	2000/-
Total Cost of OFT	4000/-
Name of Scientist	Dr. Yesh Pal Singh (Horticulture)

5. OFT on Intercropping of garlic with sugarcane

Crop/Enterprises	Sugarcane
Title of on-farm trial	Intercropping of Garlic with Sugarcane
Problem diagnosed	Low net return as a single crop
Production system and thematic area	Sugarcane-wheat, Intercropping
Farming situation	Irrigated
Farmer's practices	T₁ Sugarcane cultivation as a single crop
Details of technologies selected for assessment	T₂ Intercropping of Garlic with Sugarcane (two row of garlic between two row of sugarcane)
Source of technology	S.V.P.U.A.& T., Meerut.
No. of farmers	2 (Area – 0.4 * 2 = 0.8 ha)
Replications/No. of locations	2
Critical input	Seed of garlic
Performance indicators i). Technical ii). Economic iii) Social	Yield, Infestation of borers (per m ²), Net profit (Rs/ha), Acceptability of technology
Total Cost of OFT	4000/-
Name of Scientist	Dr. Surender Kumar, SMS/Asstt. Prof. (Agril. Extension)

6. OFT on Varietal evaluation of timely on wheat:

Crop/Enterprises	Wheat
Title of on-farm trial	Varietal evaluation of timely sown Wheat
Problem diagnosed	Low yield & heavy infestation of yellow rust due to use of old/ traditional variety
Production system and thematic area	Sugarcane-Wheat- Sugarcane
Farming situation	Irrigated
Farmer's practices	T₁ - PBW 502
Details of technologies selected for assessment	T₂ – DBW 187
Source of technology	IIWBR Karnal/ IARI
No. of farmers	2 (Area – 0.4 * 2 = 0.8 ha)
Replications/No. of locations	2
Critical input	Wheat seed DBW 187
Performance indicators i). Technical ii). Economic iii).Social	No of Plants per sq/meter Total yield /ha ,Deficiency occurrence Income B.C. ratio
Cost of each location	2000/-
Total Cost of OFT	4000/-
Name of Scientist	Dr. Surender Kumar, SMS/Asstt. Prof. (Agril. Extension)

7. OFT

Particulars	Details
Title of OFT	Drip Irrigation in Sugarcane crop
Problem diagnosed	Excess use of water in Sugarcane
Thematic Area	RCT
Details of technologies selected for assessment	T₁ - Farmer practice – Irrigation in flood system T₂ - Drip Irrigation
Source of Technology	Sugarcane research institute, Lucknow
Characteristics of Technology	1. High yielding 2. Time and labour saving 3. Saving of water
No of Trail	2 (Area – 0.4 * 2 = 0.8 ha)
Critical Input	Facilitation to farmers
Performance Indicator/Parameter	Percentage of water saving Germination percentage Crop Growth Yield B:C Ratio
Name of Scientist	Dr. P.S. Tiwari, Professor (Agriculture Engineering)

8. OFT

Particulars	Details
Title of OFT	Evaluation of crop residue mngt. in wheat
Problem diagnosed	Burning of crop residues
Thematic Area	RCT
Details of technologies selected for assessment	T₁ - Farmer practice – Sowing after burning of crop residue. T₂ - Sowing of wheat after incorporation of crop residue by mulcher
Source of Technology	PAU, Ludhiyana
Characteristics of Technology	1. High yield 2. Time , labour and water saving
No of Trail	2 (Area – 0.4 * 2 = 0.8 ha)
Critical Input	Hiring of Tractor
Performance Indicator/Parameter	1.Germination percentage 2.Crop Growth 3.Yield 4.B:C Ratio
Expenditure	Rs. 4000/-
Name of Scientist	Dr. P.S. Tiwari, Professor (Agriculture Engineering)

9. OFT On Fish feeding practices (Zaid -2023)

Crop/Enterprise	Fish (Carps)
Title	Use of rice bran, groundnut oil cake, fish meal and vitamin mineral mixture as fish feed
Problem diagnosed	Improper feeding practices is leading towards low growth rate of the fishes
Farming situation	Composite fish culture
Thematic area	Fish feeding practices
Farmer's Practice	Use of maize powder as feed
Farmer's practice	T₁ Use of maize powder as feed
Details of technologies selected for assessment/refinement	T₂ Use of rice bran, groundnut oil cake, fish meal and vitamin mineral mixture in the ratio of 40:40:20:1
Source of technology	CIFE, Mumbai
No. of farmers	2 (Area – 0.4 * 2 = 0.8 ha)
Critical Input	rice bran, groundnut oil cake, fish meal and vitamin mineral mixture
Observations to be recorded	<ul style="list-style-type: none"> • Increase in growth rate
Total cost of OFT	Rs 7000/-
Name of Scientist	Dr. Saumya Pandey, SMS (Fisheries)

10. OFT On reduction in fish mortality (Kharif -2023)

Crop/Enterprise	Fish (Carps)
Title	Reduction of mass mortality in early stages of carps
Problem diagnosed	Heavy mortality in fry fingerling stages due to improper nutrients availability
Farming situation	Composite fish culture
Thematic area	reduction in fish mortality
Farmer's Practice	Purchase of fish seed from the market
Farmer's practice	T₁ (Use of maize powder as feed
Details of technologies selected for assessment/refinement	T₂ Use of agrimin powder and promarine powder @ 2-5gm/kg feed along with the feed
Source of technology	CIFA, Odissa
No. of farmers	2 (Area – 0.4 * 2 = 0.8 ha)
Critical Input	agrimin powder and promarine powder
Observations to be recorded	<ul style="list-style-type: none"> • Reduction in mortality
Total cost of OFT	Rs 6000/-
Name of Scientist	Dr. Saumya Pandey, SMS (Fisheries)

11. OFT on value addition

Crop /Enterprise	Vegetables
Title of On Farm Trial	Domestic scale preservation of vegetables.
Problem Diagnose	<ul style="list-style-type: none"> • Lack of knowledge in preservation • Spoilage of fruits and vegetables due to lack of preservation techniques knowledge.
Thematic area	Value Addition
Details of Technologies selected for assessment/refinement	T ₁ (Farmer's Practice) : Sun drying of seasonal vegetables like cauliflower with put any treatment T ₂ : Mixed pickle after blanching with preservatives
Source of Technology	College of Community Science, RPCAU, Pusa.
Replication	02
Performance indicator/ Parameter	To assess the quality after preserving the vegetables on domestic scale. Indicators: <ol style="list-style-type: none"> 1. Self like 2. Colour 3. Flavour
Total Cost	Rs. 3000
Name of Scientist	Dr. Pooja, SMS (Home Science)

12. OFT on value addition

Crop /Enterprise	SHG
Title of On Farm Trial	Assessment of role of SHG for income generation through preparation from different pulses and vegetable badi
Problem Diagnose	Nutrient inadequacy
Thematic area	Nutrient inadequacy
Details of Technologies selected for assessment/refinement	T 1 – Farmer practice- Preparation from few pulses T 2 – Preparation from different type of pulses and vegetables.
Source of Technology	GBPUA&T, Pantnagar
Replication	2
Performance indicator/ Parameter	Nutritive value Cost of preparation Profitability Sale opportunity Farmer reaction and feedback Self life
Total Cost	Rs. 3000
Name of Scientist	Dr. Pooja, SMS (Home Science)

3.1 DEMONSTRATION

Cluster front line demonstration on Pulses (under NFSM):

S N	Crop	Variety	Thematic area	Technology for demonstration	Critical inputs	Season / year	Area (ha)	No. of Demo.	Parameter indicators
Oilseed and pulses									
1	Blackgram	Shekhar-2	Varietal evaluation	Improved variety with treated seed	Seed (18.0 kg/ha), Trichoderma (5 kg/ha), Pre-mergence weedicides (pendamethlyne @3.3 kg/ha)	Kharif 2023	10.0	25	<ul style="list-style-type: none"> ● Cost of cultivation ● Net Return ● C:B Ratio ● Increase in yield (%)
2	Chick Pea	RVG-202	Varietal evaluation	Introduction of Improved variety RVG-202	Seed (70 Kg/ha.) Pre-mergence weedicides (pendamethlyne @3.3 kg/ha)	Rabi 2023 -24	10.0	25	<ul style="list-style-type: none"> ● Cost of cultivation ● Net Return ● C:B Ratio ● Increase in yield (%)
3	Blackgram	Shekhar-2	Varietal evaluation	Improved variety with treated seed	Seed (18.0 kg/ha), Trichoderma (5 kg/ha), Pre-mergence weedicides (pendamethlyne @3.3 kg/ha)	Summer 2023	10.0	25	<ul style="list-style-type: none"> ● Cost of cultivation ● Net Return ● C:B Ratio ● Increase in yield (%)

Cluster front line demonstration on Oilseeds (under NFSM):

S N	Crop	Variety	Thematic area	Technology for demonstration	Critical inputs	Season / year	Area (ha)	No. of Demo.	Parameter indicators
Oilseed and pulses									
1	Mustard	Pusa RH-749	Varietal evaluation	Improved variety	Seed 5.0 kg/ha + Sulphur 40 Kg/ha	Rabi 2023 -24	20.0	50	<ul style="list-style-type: none"> ● Cost of cultivation ● Net Return ● C:B Ratio ● Increase in yield (%)

Demonstration: Other than Oilseed and pulses

S N	Crop	Variety	Thematic area	Technology for demonstration	Critical inputs	Season / year	Area (ha)	No. of Demo.	Parameter indicators
1	Rice	PB-1728	Weed management	Weed control through Bispyribac Sodium 10% SC (Nominee gold) @80 gm/ acre	Weed control through Bispyribac Sodium 10% SC (Nominee gold) @80 gm/ acre	Kharif 2023	4.0	10	<ul style="list-style-type: none"> ● Yield ● Weed control efficiency ● C:B Ratio ● Yield increase (%)
2	Autumn Sugarcane	CoS-13235	Intercropping	Intercropping in Autumn sugarcane	Seed of Chickpea and Mustard intercropping	Rabi 2023-24	4.0	10	<ul style="list-style-type: none"> ● Cost of cultivation ● Gross Return ● Net Return ● C:B Ratio ● Yield increase (%)
3	Wheat	HD-3026	Weed management	Chemical weed control for broad & narrow leaves weeds	Weedicide Atlantis (Mesosulfuron + idosulfuron) @ 160 gm/acre	Rabi 2023-24	4.0	10	<ul style="list-style-type: none"> ● Yield ● Weed control efficiency ● C:B Ratio ● Yield increase (%)

4	Spring Sugarcane	CoS-13235	SSNM	Nutrient management for crop nutrition and soil health	Organic manure + NPK + Micronutrient mixture	Spring 2023-24	4.0	10	<ul style="list-style-type: none"> ● Yield ● Nutrient use efficiency ● B:C Ratio ● Yield increase (%)
5	Summer Squash	Kashi Shubhangi	Varietal	Use of improved variety Kashi Shubhangi	Seed of Kashi Shubhangi	Zaid 2023	0.2	5	<ul style="list-style-type: none"> ● Yield ● B:C Ratio
6	Chilli	Kashi Anmol	Varietal	Use of improved variety Kashi Anmol of Chili	Kashi Anmol	Kharif 2023	0.2	5	<ul style="list-style-type: none"> ● Yield ● B:C Ratio
7	Okra	Kashi Shrasti/Lalima	Varietal	Use of improved variety Kashi Shrasti/Lalima	Kashi Shrasti/Lalima	Kharif 2023	0.2	5	<ul style="list-style-type: none"> ● Yield ● B:C Ratio
8	Onion	HYV – Bhima Shakti	Varietal	Use of improved variety HYV – Bhima Shakti of onion	Seed of Bhima Shakti	Rabi 2023-24	0.4	10	<ul style="list-style-type: none"> ● Yield ● B:C Ratio
9	French bean	Kashi Rajhansh	Varietal	Use of improved variety Kashi Rajhansh	Seed of Kashi Rajhansh	Rabi 2023-24	0.4	5	<ul style="list-style-type: none"> ● Yield ● B:C Ratio
10	Vegetable Pea	Kashi Nandini/Mukti	Varietal	Use of improved variety Kashi Nandini/Mukti	Seed of Kashi Nandini/Mukti	Rabi 2023-24	0.4	10	<ul style="list-style-type: none"> ● Yield ● B:C Ratio
11	Sugarcane	CoS-0238	IPM	Application of Trychocard to control the borers in Sugarcane	Trychocard	Kharif 2023	10.0	20	<ul style="list-style-type: none"> ● Yield ● Cost of cultivation ● Net Return ● C:B Ratio
12	Sugarcane	-	Mechanization	Use of Sugarcane Planter	Sugarcane Planter on hiring basis	Zaid 2023	4.00	10	<ul style="list-style-type: none"> ● Yield (Q/ha)

13	Wheat	-	Resource Conservation	Sowing of Wheat by Zero Seed Drill after rice	Zero Seed Drill	Rabi 2023-24	4.00	10	● Yield (Q/ha)
14	Paddy	Pusa-1121	Resource Conservation Technology	Use of Power sprayer for spraying of insecticides in Paddy crop	Hiring of Power Sprayer	Kharif 2023	2.0	05	● Cost of cultivation ● Net Return ● C:B Ratio
15	Wheat	HD -2967	Resource Conservation Technology	Sowing of wheat by Happy seeder	Hiring of Tractor	Rabi 2023-24	4.0	10	● Cost of cultivation ● Net Return ● C:B Ratio
16	Kitchen Garden	Kharif vegetables	Nutritional Security	Production of organic vegetables in Kitchen Garden	Vegetable Seeds	Kharif 2023	0.02	10	● Cost of cultivation ● Net Return ● C:B Ratio
17	Kitchen Garden	Rabi vegetables	Nutritional Security	Production of organic vegetables in Kitchen Garden	Vegetable Seeds	Rabi 2023-24	0.02	10	● Cost of cultivation ● Net Return ● C:B Ratio
18	Button Mushroom	Mushroom production	Income generation	Mushroom cultivation for income generation	Spawn	Rabi 2023-24	0.02	10	● Cost of cultivation ● Net Return ● C:B Ratio
19	Rural craft	-	Rural craft	Textile handicrafts for income generation	Yarn and Fabric	-	-	10	● Cost of cultivation ● Net Return ● C:B Ratio
20	Fish	Carps	Health management	Use of Waltermin powder @ 20kg/ha to increase minerals and nutrients in water and soil.	Waltermin powder, 40kg	-	1.0	10	● Reduction in mortality

21	Fish	Carps	Water quality improvement	Use of Toximar powder @ 5kg/0.4 ha to enhance water quality	Toximar powder, 25kg	-	1.0	10	<ul style="list-style-type: none"> ● Reduction in mortality ● Growth rate
22	Fish	Carps	Growth promoter	Use of Promarine powder @ 2-5gm/1kg feed to increase digestibility and weight of fish	Promarine Powder, 5kg	-	1.0	05	<ul style="list-style-type: none"> ● Reduction in mortality ● Growth rate
23	Fish	Carps	prophylactic measure	Use of KMnO ₄ @ 2mg/lit (1ppm) as prophylactic measure against pathogens	Potassium permagnate (KMNO ₄), 5 kg	-	1.0	05	<ul style="list-style-type: none"> ● Reduction in mortality ● Growth rate

ii) **Livestock Enterprises: Nil**

B. Extension and Training activities under FLDs during 2023-24

SN	Activity	No. of activities	Month	Approximate number of participants
1	Field days	06	July, August, Nov, Dec	180
2	Farmers Training	12	June, July, Sept., Oct., Dec., Jan, Feb, March	240
3	Media coverage	20	June., Sep., Oct., Nov., Dec.	Mass
4	Training for extension functionaries	07	May, July., Sep., Nov.,	105

3.3 Training (Including the sponsored and FLD training programmes):

A) ON Campus

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Integrated Nutrient Management	03	51	-	51	09	-	09	60
Integrated Weed Management	01	17	-	17	03	-	03	20
Integrated Farming	01	17	-	17	03	-	03	20
Nursery management	01	17	-	17	03	-	03	20
Total	06	102	0	102	18	0	18	120
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	01	17	-	17	03	-	03	20
Off-season vegetables	01	17	-	17	03	-	03	20
Nursery raising	01	17	-	17	03	-	03	20
Production and Management technology	02	34	-	34	06	-	06	40
b) Ornamental Plants								
Production and Management technology	01	17	-	17	03	-	03	20
Total	06	102	0	102	18	0	18	120
III Agril. Extension								
Capacity building	03	51	-	51	09	-	09	60
Natural Resource Management	01	17	-	17	03	-	03	20
Fertility Management	01	17	-	17	03	-	03	20
Production and Management technology	01	17	-	17	03	-	03	20
Total	06	102	0	102	18	0	18	120
IV Agril. Engineering								
Repair & Maintenance	05	85	-	85	15	-	15	100
Drip Irrigation	01	17	-	17	03	-	03	20
Total	06	102	0	102	18	0	18	120
V Home Science/Women empowerment								
Designing and development for high nutrient efficiency diet	01	-	17	17	-	03	03	20
Income generation activities for empowerment of rural Women	02	-	34	34	-	06	06	40
Women and child care	03	-	51	51	-	09	09	60
Total	06	0	102	102	0	18	18	120
VI Fisheries								
Fish seed management	01	17	-	17	03	-	03	20
Aquaculture practice	02	34	-	34	06	-	06	40
Fish feed management	01	17	-	17	03	-	03	20
Integrated fish farming	01	17	-	17	03	-	03	20
Harvest and post-harvest technology	01	17	-	17	03	-	03	20
Total	6	102	0	102	18	0	18	120
TOTAL (A)	36	510	102	612	90	18	108	720
(B) RURAL YOUTH								
Seed production	01	08	-	08	02	-	02	10
Vermi-culture	01	08	-	08	02	-	02	10
Natural farming	01	08	-	08	02	-	02	10
Protected cultivation of vegetable crops	01	08	-	08	02	-	02	10

Nursery Magt. of Horticulture crops	01	08	-	08	02	-	02	10
Fertility management	01	08	-	08	02	-	02	10
Diversification	01	08	-	08	02	-	02	10
Repair and maintenance of farm machinery & implements	02	16	-	16	04	-	04	20
Women empowerment	01	-	08	08	-	02	02	10
Value addition	01	-	08	08	-	02	02	10
Fish feed management	01	-	08	08	-	02	02	10
Ornamental fisheries	01	-	08	08	-	02	02	10
TOTAL (B)	13	72	32	104	18	08	26	130
(C) Extension Personnel: Nil								
Grand Total (A+B+C)	49	582	134	716	108	26	134	850

B) OFF Campus

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Crop Diversification	01	17	-	17	03	-	03	20
Production of organic inputs	01	17	-	17	03	-	03	20
Weed Management	02	34	-	34	06	-	06	40
Resource Conservation Technologies	01	17	-	17	03	-	03	20
Soil fertility management	02	34	-	34	06	-	06	40
Crop production	02	34	-	34	06	-	06	40
Integrated Nutrient Management	02	34	-	34	06	-	06	40
Integrated Crop Management	01	17	-	17	03	-	03	20
Total	12	204	-	204	36	-	36	240
II Horticulture								
a) Vegetable Crops								
Nursery raising	01	17	-	17	03	-	03	20
Production and Management technology	03	51	-	51	09	-	09	60
Off season vegetable	01	17	-	17	03	-	03	20
b) Fruits								
Training and Pruning	01	17	-	17	03	-	03	20
Management of young plants/orchards	04	68	-	68	12	-	12	80
c) Ornamental Plants								
Protected cultivation	01	17	-	17	03	-	03	20
d) Medicinal and Aromatic Plants								
Production and Management technology	01	17	-	17	03	-	03	20
Total	12	204	-	204	36	-	36	240
III Agril. Extension								
Crop production	05	85	-	85	15	-	15	100
Natural resource management	01	17	-	17	03	-	03	20
Integrated crop management	01	17	-	17	03	-	03	20
Integrated pest management	02	34	-	34	06	-	06	40
Fertility management	01	17	-	17	03	-	03	20
Capacity building	02	34	-	34	06	-	06	40
Total	12	204	-	204	36	-	36	240

IV Agril. Engineering								
Repair & Maintenance	10	170	-	170	30	-	30	200
Drip Irrigation	01	17	-	17	03	-	03	20
Operation of laser leveler	01	17	-	17	03	-	03	20
Total	12	204	-	204	36	-	36	240
V Home Science/Women empowerment								
Income generation activities for empowerment of rural Women	02	-	34	34	-	06	06	40
Women and child care	02	-	34	34	-	06	06	40
Designing and development for high nutrient efficiency diet	03	-	51	51	-	09	09	60
Minimization of nutrient loss in processing	01	-	17	17	-	03	03	20
Hygiene and cleanness	01	-	17	17	-	03	03	20
Drudgery reduction	03	-	51	51	-	09	09	60
Total	12	-	204	204	-	36	36	240
VI Fisheries								
Government subsidies and benefit	01	17	-	17	03	-	03	20
Aquaculture practice	03	51	-	51	09	-	09	60
Fish feed management	01	17	-	17	03	-	03	20
Fish disease management	01	17	-	17	03	-	03	20
Ornamental fisheries	01	17	-	17	03	-	03	20
Fish seed production	01	17	-	17	03	-	03	20
Integrated fish farming	02	34	-	34	06	-	06	40
Harvest and post-harvest technology	02	34	-	34	06	-	06	40
Total	12	204	-	204	36	-	36	240
TOTAL(A)	72	1020	204	1224	180	36	216	1440
(B) RURAL YOUTH: Nil								
(C) Extension Personnel :								
Productivity enhancement in field crops	02	26	-	26	04	-	04	30
Integrated Nutrient management	02	26	-	26	04	-	04	30
Layout and management of orchard	01	13	-	13	02	-	02	15
Micro irrigation	01	13	-	13	02	-	02	15
Natural farming	01	13	-	13	02	-	02	15
Rejuvenation of old orchards	01	13	-	13	02	-	02	15
Formation and Management of SHGs	01	13	-	13	02	-	02	15
Capacity building for ICT application	02	26	-	26	04	-	04	30
Integrated pest management	01	13	-	13	02	-	02	15
Operation & Maintenance	03	36	-	36	09	-	09	45
Drip Irrigation	01	13	-	13	02	-	02	15
Household food security	02	-	26	26	-	04	04	30
Women and Child care	02	-	26	26	-	04	04	30
Fish seed production	01	13	-	13	02	-	02	15
Aquaculture practice	01	13	-	13	02	-	02	15
Integrated fish farming	01	13	-	13	02	-	02	15
Ornamental fisheries	01	13	-	13	02	-	02	15
TOTAL (C)	24	257	52	309	43	08	51	360
Grand Total (A+B+C)	96	1277	256	1533	223	44	267	1800

C) Consolidated table (ON and OFF Campus)

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Crop Diversification	01	17	-	17	03	-	03	20
Production of organic inputs	01	17	-	17	03	-	03	20
Integrated farming	01	17	-	17	03	-	03	20
Nursery management	01	17	-	17	03	-	03	20
Integrated Weed Management	03	51	-	51	09	-	09	60
Resource Conservation Technologies	01	17	-	17	03	-	03	20
Soil fertility management	02	34	-	34	06	-	06	40
Crop production	02	34	-	34	06	-	06	40
Integrated Nutrient Management	05	85	-	85	15	-	15	100
Integrated Crop Management	01	17	-	17	03	-	03	20
Total	18	306	0	306	54	0	54	360
II Horticulture								
a) Vegetable Crops								
Nursery raising	02	34	-	34	06	-	06	40
Production of low volume and high value crops	01	17	-	17	03	-	03	20
Production and Management technology	05	85	-	85	15	-	15	100
Off season vegetable	02	34	-	34	06	-	06	40
b) Fruits								
Training and Pruning	01	17	-	17	03	-	03	20
Management of young plants/orchards	04	68	-	68	12	-	12	80
c) Ornamental Plants								
Protected cultivation	01	17	-	17	03	-	03	20
Production and Management technology	01	17	-	17	03	-	03	20
d) Medicinal & Aromatic Plants								
Production and Management technology	01	17	-	17	03	-	03	20
Total	18	306	0	306	54	0	54	360

III Agril. Extension								
Crop production	05	85	-	85	15	-	15	100
Natural resource management	02	34	-	34	06	-	06	40
Integrated crop management	01	17	-	17	03	-	03	20
Integrated pest management	02	34	-	34	06	-	06	40
Fertility management	02	34	-	34	06	-	06	40
Capacity building	05	85	-	85	15	-	15	100
Production and management technology	01	17	-	17	03	-	03	20
Total	18	306	0	306	54	0	54	360
IV Agril. Engineering								
Repair & Maintenance	15	255	-	255	45	-	45	300
Drip Irrigation	02	34	-	34	06	-	06	40
Operation of laser leveler	01	17	-	17	03	-	03	20
Total	18	306	0	306	54	0	54	360
V Home Science/Women empowerment								
Income generation activities for empowerment of rural Women	04	-	68	68	-	12	12	80
Women and child care	05	-	85	85	-	15	15	100
Designing and development for high nutrient efficiency diet	04	-	68	68	-	12	12	80
Minimization of nutrient loss in processing	01	-	17	17	-	03	03	20
Hygiene and cleanness	01	-	17	17	-	03	03	20
Drudgery reduction	03	-	51	51	-	09	09	60
Total	18	0	306	306	0	54	54	360
VI Fisheries								
Government subsidies and benefit	01	17	-	17	03	-	03	20
Aquaculture practice	05	85	-	85	15	-	15	100
Fish feed management	02	34	-	34	06	-	06	40
Fish disease management	01	17	-	17	03	-	03	20
Ornamental fisheries	01	17	-	17	03	-	03	20
Fish seed production	02	34	-	34	06	-	06	40
Integrated fish farming	03	51	-	51	09	-	09	60
Harvest and post-harvest technology	03	51	-	51	09	-	09	60
Total	18	306	0	306	54	0	54	360
TOTAL (A)	108	1530	306	1836	270	54	324	2160

(B) RURAL YOUTH: Nil								
Seed production	01	08	-	08	02	-	02	10
Vermi-culture	01	08	-	08	02	-	02	10
Natural farming	01	08	-	08	02	-	02	10
Protected cultivation of vegetable crops	01	08	-	08	02	-	02	10
Nursery Management of Horticulture crops	01	08	-	08	02	-	02	10
Fertility management	01	08	-	08	02	-	02	10
Diversification	01	08	-	08	02	-	02	10
Repair and maintenance of farm machinery and implements	02	16	-	16	04	-	04	20
Women empowerment	01	-	08	08	-	02	02	10
Value addition	01	-	08	08	-	02	02	10
Fish feed management	01	08	-	08	02	-	02	10
Ornamental fisheries	01	08	-	08	02	-	02	10
TOTAL (B)	13	88	16	104	22	04	26	130
(C) Extension Personnel :								
Productivity enhancement in field crops	02	26	-	26	04	-	04	30
Integrated Nutrient management	02	26	-	26	04	-	04	30
Layout and management of orchard	01	13	-	13	02	-	02	15
Micro irrigation	01	13	-	13	02	-	02	15
Natural farming	01	13	-	13	02	-	02	15
Rejuvenation of old orchards	01	13	-	13	02	-	02	15
Formation and Management of SHGs	01	13	-	13	02	-	02	15
Capacity building for ICT application	02	26	-	26	04	-	04	30
Integrated pest management	01	13	-	13	02	-	02	15
Operation & Maintenance	03	39	-	39	06	-	06	45
Drip Irrigation	01	13	-	13	02	-	02	15
Household food security	02	-	26	26	-	04	04	30
Women and Child care	02	-	26	26	-	04	04	30
Fish seed production	01	13	-	13	02	-	02	15
Aquaculture practice	01	13	-	13	02	-	02	15
Integrated fish farming	01	13	-	13	02	-	02	15
Ornamental fishries	01	13	-	13	02	-	02	15
TOTAL (C)	24	260	52	312	40	08	48	360
Grand Total (A+B+C)	145	1878	374	2252	332	66	398	2650

3.4. Extension Activities (including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	10	472	10	482	--	--	--	472	10	482
Kisan Mela	02	500	100	600	--	--	--	500	100	600
Kisan Gosthi	15	3220	50	3270	--	--	--	3220	50	3270
Exhibition	02	650	--	650	50	--	50	700	--	700
Film Show	04	400	--	400	--	--	--	--	--	400
Farmers Seminar	16	132	--	128	--	--	--	132	--	128
Workshop	04	76	14	90	--	--	--	76	14	90
Group meetings	2	-	-	-	-	-	-	-	-	-
Lectures delivered as resource persons	24	244	20	264	--	--	--	244	20	264
Newspaper coverage	20	Mass	Mass	Mass	Mass	Mass	Mass	Mass	Mass	Mass
Radio talks	05	Mass	Mass	Mass	Mass	Mass	Mass	Mass	Mass	Mass
TV talks	05	Mass	Mass	Mass	Mass	Mass	Mass	Mass	Mass	Mass
Popular articles	10	Mass	Mass	Mass	Mass	Mass	Mass	Mass	Mass	Mass
Extension Literature	12	Mass	Mass	Mass	Mass	Mass	Mass	Mass	Mass	Mass
Advisory Services										
Scientific visit to farmers field	600	1580	--	1580	--	--	--	1580	--	1580
Farmers visit to KVK	600	1250	50	1300	--	--	--	1250	50	1300
Diagnostic visits	50	135	5	140	8	2	10	143	7	150
Exposure visits	02	100	--	100	--	--	--	100	--	100
Ex-trainees Sammelan	08	160	10	170	--	--	--	160	10	170
Agri mobile clinic	03	155	05	160	--	--	--	155	05	160
Self Help Group Conveners meetings	15	-	54	54	--	--	--	-	54	54
Mahila Mandals Conveners meetings	04	675	35	710	--	--	--	675	35	710
Celebration of important days	04	100	--	100				100	--	100
Pre Kharif workshop	01	400	15	415	20	--	20	420	15	435
Pre Rabi workshop	01	400	15	415	20	--	20	420	15	435
PPVFRA workshop	01	100	--	100	05	--	05	105	--	105
PMFBY Sammelan	01	350	50	400	20	--	20	420	50	470
Total	1421	11099	433	11528	123	2	125	10872	435	11703

3.5 Target for Production and supply of Technological products

Seed Materials: N.A.

Sl. No	Crop	Variety	Quantity (Qt)
Cereals			
	-	-	-

Planting Material:

Sl. No	Crop	Variety	Quantity (Nos)
Vegetables			
1	Onion	NHRDF Red-4 and Bhima Shakti	20000
Ornamental plants			
1	Winter seasonal (dog flower, Dimorphothica, Sweet Wliiiam, Sweet Allysum, Calendula, Marigold, Salvia and hollyhock)	-	5000
Total			25000

Sapling:

Sl. No	Crop	Variety	Quantity (Nos)
1	Papaya	Red lady	1000

Bio-products & Others

Sl. No.	Product Name	Species	Quantity	
			No	(kg)
Bio fertilizer				
1	Vermi Compost	--	--	500
2	Worms	<i>Aisenia Foetida</i>	--	50
3.	Honey Processing	--	--	2000
4.	Bio- Pesticide	<i>Trichoderma viride</i> <i>Beauveria bassiana</i> <i>Metarrhizium anisoplae</i>	--	100 100 100
5.	Spawn	Button & oyster	--	100

3.6 Literature to be Developed/Published

(A) Krishi Panchang : 1000

(B) Literature developed/published :

Item	No.	Number of copies
Research papers	5	--
Technical reports	10	--
News letters	--	--
Technical bulletins	3	2500
Popular articles	20	--
Extension literature	8	8000
Others (Krishi Panchang)	01	1000
TOTAL	49	11500

(C) Details of Electronic Media to be Produced

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
1	CD	Management of Mango	1
		Scientific cultivation of Gladiolus	1
		Vermi Compost	1
		Nursery Management	1

3.7. Success stories/Case studies identified for development as a case : 05

1. Fruit Fly mgt through Methyl Ugenol flytrap
2. Urd Intercropping with Sugarcane
3. Introduction of Mung as summer pulse
4. Self Employment of Rural Youths through Mushroom cultivation
5. Self Help Group of Rural Women for income generating activity
6. Nutrient mgt. through Soil Health Card (SHC)

- a. Brief introduction
- b. Interventions
- c. Output
- d. Outcomes
- e. Impact
 - i) Social economic
 - ii) Bio-Physical
- f. Good Action Photographs

3.8. Indicate the specific training need analysis tools/methodology followed for

- Identification of courses for farmers/farm women - PRA
- Rural Youth - PRA
- In service personnel - As per requirement

3.9 Indicate the methodology for identifying OFTs/FLDs -

For OFT

1. Field level observations
2. Farmer group discussions
3. Spread of Problem (Area and No of Farmers)

For FLD

1. New variety/technology
2. Poor yield at farmers level
3. Existing cropping system

3.10 Field activities

i. Name of villages identified for adoption with block name

S.No.	Block	Village
1.	Khatauli	Bhangela, Pal
2.	Jansath	Nangla Kabir, Talda, Jandhedi, Lalpur
3.	Maurna	Bhopa and Kakroli
4	Purkaji	Serpur, Amlawala and Hariwala

ii. No. of farm families selected per village : 100 each

iii. No. of survey/PRA to be conducted : 04

iv. No. of technologies taken to the adopted villages :
3-4 technologies by each scientist

- v. Name of the technologies found suitable by the farmers of the adopted villages : To be taken up next year
- vi. Impact (production, income, employment, area/technological–horizontal/vertical) : To be taken up next year
- vii. Constraints if any in the continued application of these improved technologies : To be taken up next year

3.11. Activities of Soil and Water Testing Laboratory

Status of Establishment of Lab : N.A.

1. Year of Establishment : -

2. List of Equipments purchased with amount : -

3. Target for samples for analysis : -

4.0 LINKAGES

4.1. Functional Linkages with different Organizations :

S. No.	Name of organization	Nature of Linkages	No. of Prog.
1.	Agriculture Department	Joint Diagnostic Survey, Trg., Goshthi, Kisan Mela. Demo	100
2.	Horticulture Department	Joint Diagnostic Survey, Trg., Goshthi, Kisan Mela	20
3.	Animal Husbandry Deptt.	Joint Diagnostic Survey, Trg., Goshthi, Kisan Mela	10
4.	Plant Protection Deptt.	Joint Diagnostic Survey, Trg., Goshthi, Kisan Mela	10
5.	ATMA	Farmers Scientist Interaction, Trg., Goshthi, Kisan Mela, Exposure visit	30
6.	Sugarcane Research Institute	Participation in Meeting, Source of Planting material,	1
7.	Ganna Kisan Sansthan	Training Programme	8
8.	IFFCO, KRIBHCO, NFL, etc.	Training Programme & Demo. Goshthies	6
9.	National Horti. Dev. Foundation	Training Programme & Demo.	2
10.	Sugar mills	Participation in Kisan Goshthi, Kisan Mela.	4
11.	NGO's	Training Programme, Goshthi & Mela	5
12.	NABARD, Banks	Training Programme, Kisan Club/SHG	12
13.	Ramganga Command Pariyojana	Training Programme	8
14.	Zila Vigyan Club	Training , Goshthies & Kisan Mela	4
15.	Bhoomi Sanrakshan Adhikari	Training	4
16.	Seed Development Corp.	Training,Seed production	4
17.	Distt. Cane Deptt.	Training, Kisan Mela, & Goshthi	5
18.	CDPO	Training Programme	3

4.2 Special programme to be undertaken by KVK with finance by State/ Other Agencies

Name of Scheme	No of Programme	Funding agency
FTT	2	SVPUA&T, Meerut
ATMA (F-S Interaction)	2	Dept of Agril., MZN
NHM (Trg.)	4	Dept of Horticulture ,MZN

4.3 Details of Linkages with ATMA

Is ATMA implemented in your district : Yes

4.4 Programmes to be implemented under National Horticulture Mission

Sl.No	Programme	Nature of Linkages	Remarks
1.	Training Programme - 4	Technical	--

4.5. Nature of linkages with National Fisheries Board

Sl.No	Programme	Nature of Linkages	Remarks
1.	Training	Technical	--

5.0 Utilization of hostel facilities : N.A.
Accommodation available (No. of beds) : -

6.0 Convergence with departments :

7.1. Details of the programmes being implemented by your KVK in partnership with other institution

S. No.	Name of Programme	Main Institution (IARI, DBT, DST, UPCAR, etc.)	Duration	Budget (in lakh)

A. Designated as Local Coordinator by DDG, NRM, ICAR for collaborative with Implementing ICAR Institutes. The ICAR Institutes involved are as under.

- Indian Institute of Water Management, Bhubaneswar, Odisha
- Indian Institute of farming System Research, Modipuram
- Water Technology Center, IARI, Pusa New Delhi
- Central Soil & Water Conservation Research & Training Institute, Dehradun
- Central Soil Salinity Research Institute Karnal
- Central Institute for Research on Cattle, Meerut

B. Technology Demonstration in Collaboration with ICAR Institutes . The collaborative partners are as under

- Indian Institute of Wheat and Barley, Karnal
- Indian Institute of Mustard Research, Bharatpur (Rajasthan)
- Central Avian research Institute (CARI, Bareilly)
- Mushroom Spawn Lab, SVPUA&T, Meerut

7.2. Brief achievements of above collaborative programmes

S. No.	Name of Programme	Salient achievement	Impact of the programme
1	The details are as given below		

S.No	Name of Institute	Crop	Technology/Variety	Area (ha).	No of Demo
1.	Directorate of Mustard Research , Bharatpur Rajasthan	Mustard	NRCHB-101, RH-406	40.00	104
2.	IIWBR, Karnal	Wheat (Timely Sown)	WH 1105	7.0	11
		Wheat (Late Sown)	DBW-16 & DBW-71	1.3	13

8. Achievements (Both Technical and physical) of sponsored programmes (As applicable to your KVK) during the reporting period

S. No.	Name of Programme	Detailed Technical Achievements	Physical (infrastructural achievement)
1	TSP Project	NA	
2	ARYA Project	Entrepreneurship development Bee Keeping & Poultry Farming	
3	CFLD-NFSM Project	Separate Report is attached	
	i. Kharif season	Urd- 20 ha – 50 Demo.	
	ii. Rabi season	Lentil – 10 ha- 25 Demo	
	iii. Summer season	Urd- 10 ha – 25 Demo. Mung- 10 ha- 25 Demo.	
4	CSISA Project	NA	
5	NICRA Project	Separate Report Attached	
6	Soil Health Card		
	Total		

9. Feedback of the farmers about the technologies demonstrated and assessed :

- RH 749 variety of Mustard gave highest yield if 24 qt/ha when planted on 25th Oct.
- PL 8 variety of Lentil performed better in moisture stress condition.
- PU 31 variety of Urd Bean is best in terms of yield and resistant against YMV
- Soil test based fertilizer application resulted in saving of Rs. 1400-1500 /ha.
- Soil Moisture Indicator (SMI) based irrigation scheduling resulted in saving of 3-4 irrigation in Sugarcane.
- PB 1509 transplanted in first week of August gave better quality rice in comparison to June transplanting.
- Mineral mixture supplementation is able to cure repeat breeding

10. Feedback from the KVK Scientists (Subject wise) to the research institutions /universities :

- Control of Cyprus rotundas with 67.5 g Hulosulfuron at 3-4 leaf stage is very effective in Sugarcane.
- Fruity fly trap in Guava is able to control only 80% of flies
- DBW 71 variety of Wheat performed best in campaign to other late sown varieties when sowing was done between 15-20 January after Sugarcane harvesting
- Agri found light red variety of onion performed best in terms of yield and keeping quality in comparison to other prevailing local varieties.
- Chabro strain best for backyard poultry.

Training Programme

DETAIL ACTION PLAN OF TRAINING JANUARY TO DECEMBER 2023

i) Farmers & Farm women (On Campus)

Date	Clientel e	Title of the training programme	Durati on in days	Number of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
Crop Production										
Jan., 23	PF	INM in Spring sugarcane	01	17	-	3	3	-	3	20
Mar., 23	PF	Integrated farming system	01	17	-	3	3	-	3	20
June, 23	PF	Nursery preparation technique of paddy	01	17	-	3	3	-	3	20
Aug., 23	PF	IWM in paddy	01	17	-	3	3	-	3	20
Sep., 23	PF	INM in Mustard	01	17	-	3	3	-	3	20
Nov., 23	PF	IWM in Wheat	01	17	-	3	3	-	3	20
Horticulture										
Jan., 23	PF	Improved production technique of marigold	01	17	-	3	3	-	3	20
Mar., 23	PF	Nursery raising of vegetable	01	17	-	3	3	-	3	20
June, 23	PF	Kharif Onion prod. technology	01	17	-	3	3	-	3	20
July, 23	PF		01	17	-	3	3	-	3	20
Sept., 23	PF	Capsicum growing for higher returns	01	17	-	3	3	-	3	20
Nov., 23	PF	Off season vegetable production	01	17	-	3	3	-	3	20
Agril. Extension										
Mar., 23	PF	Integrated Farming System (IFS)	01	17	-	3	3	-	3	20
May 23	PF	Application of ICT in agriculture	01	17	-	3	3	-	3	20
July, 23	PF	Vermi-compost production technique	01	17	-	3	3	-	3	20
Sep., 23	PF	Constitution of Self Help Group	01	17	-	3	3	-	3	20
Oct., 23	PF	Pulses cultivation in Rabi	01	17	-	3	3	-	3	20
Dec., 23	PF	Preparation of business plan for FPO	01	17	-	3	3	-	3	20
Agril. Engineering										
Feb., 23	PF	Maintenance of thresher	01	17	-	3	3	-	3	20
Apr., 23	PF	Maintenance of tractor	01	17	-	3	3	-	3	20
May, 23	PF	Deep tillage implements and its maintenance	01	17	-	3	3	-	3	20
Aug., 23	PF	Maintenance of sprayer and duster	01	17	-	3	3	-	3	20
Nov., 23	PF	Operation & maintenance of happy seeder	01	17	-	3	3	-	3	20
Dec., 23	PF	Maintenance of tractor	01	17	-	3	3	-	3	20

Home Science										
10 Jan., 23	PF	Child balanced diet	1	-	17	17	3	-	3	20
20 Feb., 23	PF	Food adulteration & its testing at house hold level	1	-	17	17	3	-	3	20
22 May, 23	PF	Mushroom cultivation as subsidiary occupation	1	-	17	17	3	-	3	20
20 July, 23	PF	Stain removal: Basic concept and methods	1	-	17	17	3	-	3	20
15 Sept., 23	PF	High nutrient efficiency diet for women	1	-	17	17	3	-	3	20
23 Oct., 23	PF	Recycling old clothes to prepare household products	1	-	17	17	3	-	3	20
Fisheries										
Jan., 23	PF	Hatchery construction	1	-	17	17	3	-	3	20
Mar., 23	PF	Carp culture technique	1	-	17	17	3	-	3	20
April, 23	PF	Balanced fish feed production techniques	1	-	17	17	3	-	3	20
Aug., 23	PF	Integrated fish cum animal farming	1	-	17	17	3	-	3	20
Nov., 23	PF	Technique of fish harvest	1	-	17	17	3	-	3	20
Dec., 23	PF	Aquaculture pond construction	1	-	17	17	3	-	3	20

i) Farmers & Farm women (Off Campus)

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
Crop Production										
Jan. 23	PF	Improved production technique of spring sugarcane	01	17	-	17	3	-	3	20
Feb. 23	PF	Crop Diversification with inclusion of legume in cropping system	01	17	-	17	3	-	3	20
Feb 23	PF	Vermi-compost production technique	01	17	-	17	3	-	3	20
Mar 23	PF	Weed management in summer pulses	01	17	-	17	3	-	3	20
April 23	PF	Integrated weed management in sugarcane	01	17	-	17	3	-	3	20
May 23	PF	Role of mulching in sugarcane	01	17	-	17	3	-	3	20
June 23	PF	Role of Green manure in soil health	01	17	-	17	3	-	3	20
Aug. 23	PF	Improved planting technique of Kharif pulse	01	17	-	17	3	-	3	20
Aug 23	PF	Foliar fertilization in Kharif pulse	01	17	-	17	3	-	3	20
Sept. 23	PF	Role of sulphar in oilseed crop	01	17	-	17	3	-	3	20

Oct. 23	PF	Integrated crop management of Autumn sugarcane	01	17	-	17	3	-	3	20
Dec., 23	PF	Importance of Biofertilizer in crop production	01	17	-	17	3	-	3	20
Horticulture										
Jan., 23	PF	Improved production technique of okra	01	17	-	17	3	-	3	20
Feb., 23	PF	Protected cultivation of roses and gerbera	01	17	-	17	3	-	3	20
Mar., 23	PF	Natural farming of mango	01	17	-	17	3	-	3	20
April, 23	PF	Natural farming of guava and litchi	01	17	-	17	3	-	3	20
May, 23	PF	Importance and use of mulching in fruit crops	01	17	-	17	3	-	3	20
June, 23	PF	Virus free nursery raising of vegetable crops	01	17	-	17	3	-	3	20
July, 23	PF	Cultivation of medicinal and aromatic plants	01	17	-	17	3	-	3	20
Aug., 23	PF	Dragon fruit cultivation	01	17	-	17	3	-	3	20
Sept., 23	PF	Scientific cultivation of potato	01	17	-	17	3	-	3	20
Oct., 23	PF	Scientific cultivation of onion and garlic	01	17	-	17	3	-	3	20
Nov., 23	PF	Production of Off Season vegetable crops	01	17	-	17	3	-	3	20
Dec., 23	PF	Training and pruning of fruit crops	01	17	-	17	3	-	3	20
Agril. Extension										
09 Jan., 23	PF	IPM in Rabi pulses	01	17	-	17	3	-	3	20
13 Feb., 23	PF	Pulses cultivation in summer	01	17	-	17	3	-	3	20
05 April, 23	PF	Soil sampling and testing	01	17	-	17	3	-	3	20
23 May, 23	PF	Application of Trychochards in Sugarcane to control the borer	01	17	-	17	3	-	3	20
14 June, 23	PF	Pulses cultivation in Kharif	01	17	-	17	3	-	3	20
31 July, 23	PF	Rain water harvesting	01	17	-	17	3	-	3	20
07 Aug., 23	PF	Water management in Pulses	01	17	-	17	3	-	3	20
28 Sept., 23	PF	Improved cultivation of Mustard	01	17	-	17	3	-	3	20
10 Oct., 23	PF	Preparation of business plan for FPO	01	17	-	3	3	-	3	20
02 Nov., 23	PF	Pulses cultivation in Rabi	01	17	-	17	3	-	3	20
28 Nov., 23	PF	Aphid control in Mustard	01	17	-	17	3	-	3	20
04 Dec., 23	PF	Constitution of Self Help Group	01	17	-	17	3	-	3	20
Agril. Engineering										
21 Jan. 23	PF	Maintenance of Tractor	01	17	-	17	3	-	3	20
10 Feb. 23	PF	Drip irrigation system in Sugarcane	01	17	-	17	3	-	3	20
03 Mar., 23	PF	Maintenance of seed drill	01	17	-	17	3	-	3	20
09 Apr. 23	PF	Operation and maintenance of paddy trans planter	01	17	-	17	3	-	3	20

21 May 23	PF	Operation of laser leveler	01	17	-	17	3	-	3	20
12 Jun., 23	PF	Operation and maintenance of multi crop planter	01	17	-	17	3	-	3	20
23 July 23	PF	Operation and maintenance of Mulcher	01	17	-	17	3	-	3	20
19 Aug., 23	PF	Operation and maintenance of M.B.Plough	01	17	-	17	3	-	3	20
03 Sept. 23	PF	Operation and maintenance of Sugarcane planter	01	17	-	17	3	-	3	20
20 Oct. 23	PF	Operation and maintenance of happy seeder	01	17	-	17	3	-	3	20
05 Nov. 23	PF	Maintenance of Harrow and tiller	01	17	-	17	3	-	3	20
18 Dec. 23	PF	Maintenance of thresher	01	17	-	17	3	-	3	20
Home Science										
21 st Jan., 2021	PF	Women empowerment through entrepreneurship development	1	-	17	17	-	3	3	20
23 Feb., 23	PF	Awareness on digitalization	1	-	17	17	-	3	3	20
22 Marc. 23	PF	Awareness on Deficiency diseases in women	1	-	17	17	-	3	3	20
20 April, 23	PF	Importance of cleanliness in our Daily life and air borne diseases	1	-	17	17	-	3	3	20
28 May, 23	PF	Importance of work ergonomics	1	-	17	17	-	3	3	20
17 June, 23	PF	Importance of Immunization and its schedule	1	-	17	17	-	3	3	20
23 July, 23	PF	Importance of Millets& th nutritive value	1	-	17	17	-	3	3	20
20 Aug., 23	PF	Importance of vitamin & minerals in diet	1	-	17	17	-	3	3	20
20 Sept., 23	PF	Minimization of nutrient loss in processing	1	-	17	17	-	3	3	20
29 Oct., 23	PF	Dietary supplements : its need and importance	1	-	17	17	-	3	3	20
20 Nov., 23	PF	Different work simplification techniques at household level	1	-	17	17	-	3	3	20
22 Dec., 23	PF	Reduction of time & drudgery by the use of improved Agricultural implements	1	-	17	17	-	3	3	20
Fisheries										
Jan, 23	PF	Government subsidies available for aquaculture	1	-	17	17	-	3	3	20
Feb, 23	PF	Types of commercially important cultured fishes	1	-	17	17	-	3	3	20
Mar., 23	PF	Types of aquaculture practices	1	-	17	17	-	3	3	20
April, 23	PF	Types and various sources of fish feed	1	-	17	17	-	3	3	20
May, 23	PF	Prophylactic and treatment measures of various fish diseases	1	-	17	17	-	3	3	20

June, 23	PF	Ornamental fish culture	1	-	17	17	-	3	3	20
July, 23	PF	Fish seed production	1	-	17	17	-	3	3	20
July, 23	PF	Integrated fish cum agriculture farming	1	-	17	17	-	3	3	20
Aug, 23	PF	Integrated fish cum horticulture farming	1	-	17	17	-	3	3	20
Sep., 23	PF	Fish marketing strategy	1	-	17	17	-	3	3	20
Nov, 23	PF	Fish post-harvest techniques	1	-	17	17	-	3	3	20
Dec, 23	PF	Aquaculture pond management	1	-	17	17	-	3	3	20

ii) Vocational training programmes for Rural Youth (On Campus)

Crop / Enterprise	Identified Thrust Area	Training title*	Month	Duration (days)	No. of Participants			SC/ST participants			G. Total
					M	F	T	M	F	T	
Crop Production											
Vermi-compost	Organic manure	Vermi-compost production	Jan.	5	8	0	8	2	0	2	10
Wheat	Seed Production	Seed production	May	5	8	0	8	2	0	2	10
Horticulture											
Horticultural Crops	Natural farming	Natural farming of horticultural crops	Feb.	5	8	0	8	2	0	2	10
Fruits & Vegetable	Nursery management	Nursery growing of horticultural crops for livelihood	July	5	8	0	8	2	0	2	10
Flowers	Protected cultivation	Protected cultivation of commercial flowers.	Nov.	5	8	0	8	2	0	2	10
Agril. Extension											
Soil Health card	Soil Health Management	Soil testing in field crops.	Apr.	5	8	0	8	2	0	2	10
Mushroom	Mushroom Production	Mushroom Production technology	Sep.	5	8	0	8	2	0	2	10
Agril. Engineering											
Repair and maintenance	Skill Development	Repair and maintenance of diesel engine	Aug.	5	8	0	8	2	0	2	10

Repair and maintenance	Skill Development	Repair and maintenance of ploughing implements	Nov.	5	8	0	8	2	0	2	10
Home Science											
Fabric	Women empowerment	Fabric designing through block printing	Feb	5	8	0	8	2	0	2	10
Cow dung	Value addition	Cow dung products making for income generation	May	5	8	0	8	2	0	2	10
Fisheries											
Fish	Ornamental fisheries	Aquarium construction and management	Sept, 23	5	8	0	8	2	0	2	10
Fish	Fish feed management	Balanced fish feed production techniques	April, 23	5	8	0	8	2	0	2	10

Training programme for extension functionaries

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
Crop Production										
Feb. 23	EF	Management of sugarcane ratoon	1	13	0	13	2	0	2	15
June 23	EF	Integrated Nutrient management of field crop	1	13	0	13	2	0	2	15
Aug. 23	EF	“GAP” for higher crop productivity and profitability	1	13	0	13	2	0	2	15
Nov. 23	EF	Site specific nutrient management in field crop	1	13	0	13	2	0	2	15
Horticulture										
Feb. 23	EF	Management of Mango Orchard.	1	13	0	13	2	0	2	15
June 23	EF	Judicious use of irrigation water in horticultural crops	1	13	0	13	2	0	2	15
Aug. 23	EF	Natural farming of mango, guava and Litchi	1	13	0	13	2	0	2	15
Nov. 23	EF	Rejuvenation of old and senile mango orchard	1	13	0	13	2	0	2	15
Agril. Extension										
Jan., 23	EF	Constitution of Self Help Group	1	13	0	13	2	0	2	15
Aug. 23	EF	Role of ICT in Agriculture	1	13	0	13	2	0	2	15
Oct. 23	EF	Result and method demonstration	1	13	0	13	2	0	2	15
Dec. 23	EF	IPM in Rabi Pulses	1	13	0	13	2	0	2	15

Agril. Engineering										
Feb. 23	EF	Operation of Laser leveler	1	13	0	13	2	0	2	15
June., 23	EF	Operation of self-propelled paddy transplanter	1	13	0	13	2	0	2	15
Aug., 23	EF	Operation of happy seeder	1	13	0	13	2	0	2	15
Oct., 23	EF	Maintenance of sprayer and duster	1	13	0	13	2	0	2	15
Home Science										
Jan., 23	EF	Importance of balanced diet	1	0	13	13	0	2	2	15
Aug. 23	EF	Dietary modification of nutritional deficiencies in children below 5 yrs.	1	0	13	13	0	2	2	15
Oct. 23	EF	Awareness on causes, diagnose and precautionary measures for breast cancer.	1	0	13	13	0	2	2	15
Dec. 23	EF	Child nervous disorders and care	1	0	13	13	0	2	2	15
Fisheries										
Aug, 23	EF	Hatchery construction	1	0	13	13	0	2	2	15
Dec, 23	EF	Aquaculture pond management	1	0	13	13	0	2	2	15
Feb, 23	EF	Integrated fish cum agriculture farming	1	0	13	13	0	2	2	15
June, 23	EF	Ornamental fish culture	1	0	13	13	0	2	2	15

X-----X