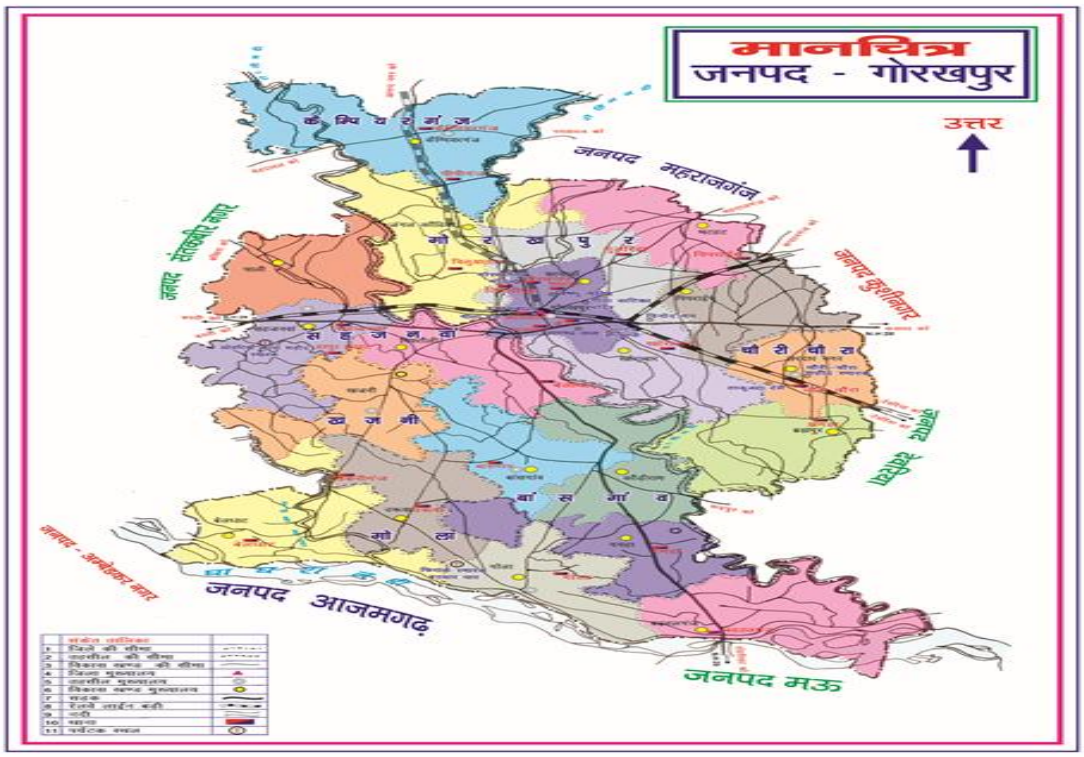
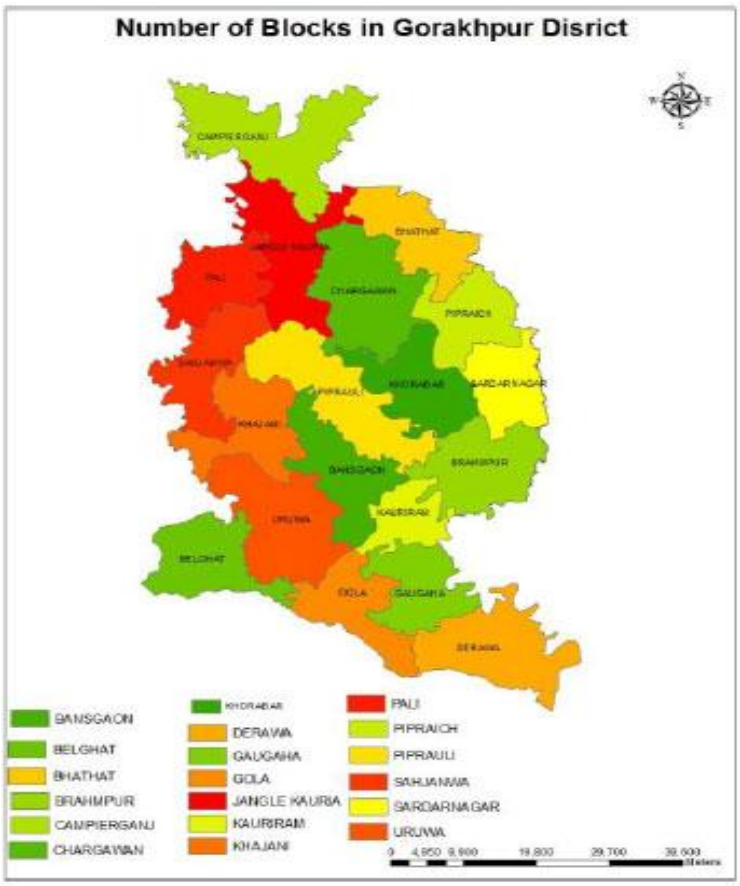
Revised Action Plan

Jan 2021- Dec 2021

As per SAC meeting held on 26 March 2021

Mahayogi Gorakhnath Krishi Vigyan Kendra
Chaukmafi (Peppeganj) Jangal Kaudia,
Gorakhpur-273165 (UP)
Email – gorakhpurkvk2@gmail.com





Operational Area of the MGKVK, Gorakhpur

Tehsil		Block
1.	Campierganj	Jungle Kaudia
2.	Campierganj	Campierganj
3.	Campierganj	Bharohiya
4.	Sadar	Bhathat
5.	Sahjanwa	Pali
6.	Sadar	Chargawan
7.	Sadar	Pipraich
8.	Chauri Chaura	Sadar Nagar
9.	Sadar	Khorabar
10.	Sahjanwa	Sahjanwa

CONTENTS

DETAILS OF ACTION PLAN

(Jan, 2021 to Dec, 2021)

KVK: Gorakhpur-II

1. GENERAL INFORMATION ABOUT THE KVK

1.1. Name and address of KVK with phone, fax and e-mail

Address	Telephone		E-mail	Website
	Office	Fax		
MahayogiGorakhnath Krishi Vigyan Kendra, Chauk Mafi (Peppeganj), JangalKaudia, Gorakhpur, (U.P.)	0551-2255453 2255454	0551-2255455	gorakhpurkvk2@gmail.com	www.mgkvk.in

1.2 .a. Name and address of host organization with phone, fax and e-mail

Address	Telephone		E-mail
	Office	FAX	
Guru Gorakshnath Sewa Santhan, Sri Gorakhnath Mandir, Gorakhpur	**0551-2255453, 54**	**0551-2255455**	gorakhpurkvk2@gmail.com

1.2.b. Status of KVK website: Yes

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

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

1.3. Name of Sr. Scientist and Head with phone & mobile No

Name	Telephone / Contact		
	Residence	Mobile	E-mail
Dr. Sandip Kumar Singh	MGKVK	9453721026 9359426101	gorakhpurkvk2@gmail.com

1.4. Year of sanction: 2016

1.5. Staff Position**(As on 31st March 2021)**

Sl. No.	Sanctioned Post	Name of the Incumbent	Designation	Discipline	Pay Scale (Rs.)	Grade Pay	Present Basic Pay	Date of Joining	Permanent / Temporary	Cat.	Mobile	E-mail	Photo
1.	Senior Scientist cum Head	Dr. Sandip Kumar Singh	Senior Scientist cum Head	Agronomy	37400-67000	9000	46400	20.01.2021	Temporary	GEN	9453721026	sandipsingh11@rediffmail.com	
2.	SMS	Dr. Vivek Pratap Singh	SMS	Animal Science	15600-39100	5400	22950	31.07.2017	Temporary	GEN	9415745095	vpslpm@gmail.com	
3.	SMS	Dr. Ajit Kumar Srivastava	SMS	Horticulture	15600-39100	5400	22950	01.08.2017	Temporary	GEN	8787264166	ajiticar@gmail.com	
4.	SMS	Dr. Rahul Kumar Singh	SMS	Agril. Extension	15600-39100	5400	22950	01.08.2017	Temporary	GEN	9454054072	rahulrrext91@gmail.com	

5.	SMS	Mr. Avanish Kumar Singh	SMS	Agronomy	15600-39100	5400	22950	01.08.2017	Temporary	GEN	9792099943	avanishsinghicar@gmail.com	
6.	SMS	Mr. Sandeep Prakash Upadhyay	SMS	Soil Science	15600-39100	5400	22950	01.08.2017	Temporary	GEN	9690475529	sandeepupadhyay383@gmail.com	
7.	SMS	Mrs. Shweta Singh	SMS	Home Science	15600-39100	5400	21000	18.01.2021	Temporary	GEN	9453158193	shweta429@gmail.com	
8.	Programme Assistant (Computer)	Gaurav Kumar Singh	Programme Assistant	Computer	9300-34800	4200	38700	14.08.2017	Temporary	GEN	9838674999	vishengaurav@gmail.com	
9.	Programme Assistant (Lab. Tech.)	Jitendra Kumar Singh	Programme Assistant	Lab. Technician	9300-34800	4200	37600	14.08.2018	Temporary	GEN	9956912021	jitendra.s273158@gmail.com	
10.	Farm Manager	Ashish Kumar Singh	Programme Assistant	Farm Manager	9300-34800	4200	37600	14.08.2018	Temporary	GEN	7752941868	ashishksingh1994@gmail.com	

11.	Assistant	Shubham Pandey	Assistant	Assistant	9300-34800	4200	37600	14.08.2018	Temporary	GEN	7752941868	luckywatson123@gmail.com	
12.	Driver-cum-Mechanic	Sanjay Kumar Yadav	Driver-cum-Mechanic	Driver	5200-20200	2000	23100	14.08.2018	Temporary	OBC	9415853387	sanjayyadavmgkvk@gmail.com	
13.	Driver-cum-Mechanic	Dinesh Rao	Driver-cum-Mechanic	Driver	5200-20200	2000	23100	14.08.2018	Temporary	OBC	9695713464	dineshgkp1991@gmail.com	
14.	Supporting staff Grade-I	Jai Prakash Singh	Supporting Staaf Grade-I	Skilled Supporting Staaf	5200-20200	1800	19100	14.08.2018	Temporary	GEN	8545003001	jaiprakashsingh1005@gmail.com	
15.	Supporting staff Grade-I	Abhimanyu Kumar Verma	Supporting Staff Grade-I	Skilled Supporting Staff	5200-20200	1800	19100	14.08.2018	Temporary	OBC	9918989802	abhimanyuverma0808@gmail.com	

1.6. Total land with KVK (in ha): 20.056 ha

S. No.	Item	Area (ha)
1	Under Buildings	550 sqm. (0.055 ha)
2.	Under Demonstration Units	1.0
3.	Under Crops	12
4.	Orchard/Agro-forestry	2
5.	Others (specify)	5
Total		**20.055 ha**

1.7. Infrastructural Development: to be developed

A) Buildings

S N	Name of building	Source of funding	Stage						Required New	Needs renovation
			Complete			Incomplete				
			Completion Date	Plinth area (Sq.m)	Expenditure (Lakh)	Starting Date	Plinth area (Sq.m)	Status of construction		
1.	Administrative Building	ICAR	02-03-2019	550	144.09			Completed		
2.	Farmers Hostel	ICAR	02-0-2019	305	66.41			Under construction		
3.	Staff Quarters(Type I & IV)	ICAR	02-03-2019	107.5	61.52			Type I & IV Completed		
4.	Boundry Wall	ICAR	Jan 2019	100 meter	14.33		14.33	Completed		
5.	Threshing floor	RKVY		600	13.2	Dec 2020	13.2	Under construction		
6.	Under ground Irrigation channel	RKVY		3000 meter	10.0	July 2020	30.0	Under construction		
7.	Integrated Farming System	RKVY			12.0	Oct. 2020	25.0	Under construction		
8.	Bee Keeping	RKVY		22.29	9.00	Oct 2020	22.297	Under construction		
9.	Fish Pond	RKVY		0.2 ha	2.5	March 2021	5.0	Under Construction		
10.	Boundry Wall	RKVY		3300 meter	250.0	Nov 2019	264.0	Under construction		
11.	CC Road	RKVY		600 Meter	13.2	March 2021	13.2	Under Construction		
12.	Farmers Hostel cum Training Hall	RKVY		400	55.0	Oct 2020	77.0	Under Construction		

13.	Entrance Gate	RKVY			0.5	March 2021	2.2	Under Construction		
14.	Implement Shade	RKVY		260	-	March 2021	6.0	Under Construction		
15.	Solar Energy Supply 5KVA	RKVY	2020	-	5.0		5.0	Completed		
16.	Solar Street Light	RKVY		-	-		5.0	Under Construction		
17.	Establishment of Solar Pump 5 HP	RKVY	2020	-	8.0		8.0	Completed		
18.	Sprinkler System	RKVY		8 ha	-		5.0	Under Construction		
19.	Leveling, Bunding	RKVY		20.0	2.0	May 2020	12.0	Under Construction		
20.	Poly house Net house, Green House & Permanent Nursery Bed	RKVY	2020	-	34.8	-	35.0	Completed		
21.	Mini Mother Orchard	RKVY	2020	-	0.5		0.5	Completed		
22.	Mini Seed Processing Plant	RKVY		-	30.0	-	40.0	Under Construction		
23.	Azola / BGA	RKVY		-	-	March 2021	0.5	Under Construction		
24.	Scientific Museum	RKVY			-	-	2.0	Under Construction		
25.	Mushroom Unit with processing facility	RKVY		44.6	-	Oct 2020	20.0	Under construction		
26.	Hydroponic Unit	RKVY	March 2020	144	14.8		15.0	Completed		

B) Vehicles (As on 31st March., 2021)

Type of vehicle	Year of purchase	Cost (Rs. Lakh)	Total kms Run	Present status	Required replacement
Tractor (UP-53 CL-5201)	2017	9.55	1237 (Hour)	Good Condition	-
Jeep (Mahindra Bolero) UP53 AG 1220	2019	6.50981	37840	Good Condition	-

C) Equipment's& AV aids: to be purchase

Name of the equipment	Year of purchase	Cost (Rs)	Present status	Required replacement
Multi-Functional (HP)	2020		Good	
LCD Multimedia Projector	2020		Good	
Tractor Trolley	2017	2.55	Good	
Power Sprayer	2020	-	Good	
Zero-till seed drill-ferti Machine	2020	-	Good	
Generator	-	-	Not Working	
Raised Bed Planter	2020	-	Good	
Soil Testing Machine	2017	2,02,960	Good	

1.8) Details of SAC meetings to be conducted in the year

SN	Meeting	Date
1.	**Scientific Advisory Committee**	**26.03.2021**

2. DETAILS OF DISTRICT

2.1 Major farming systems/enterprises (based on the analysis made by the KVK)

S. No	Farming system/enterprise
1.	Crop Production + Livestock
2.	Crop Production + Poultry
3.	Crop Production + Fisheries
4.	Crop Production + Vegetable Production

2.2 Description of agro-ecological situations (based on soil and topography)

Gorakhpur falls under north eastern plain zone. It comes under terai area.

a) Soil types

S. No	Agro-ecological situation	Characteristics	Area (ha)
1.	AES-1	Soil Type-Sandy loam	160952
2.	AES-2	Soil Type-Silty loam, Khadar Soil	121714
3.	AES-3	Soil Type-Clay Loam	52651

b) Topography

S. No	Agro ecological situation	Characteristics
1.	AES-1 (Sandy loam)	Poor water holding capacity
2.	AES-2 (Silty loam, Khadar Soil)	Medium water holding capacity
3.	AES-3 (Clay Loam)	Good water holding capacity

2.4. Area, Production and Productivity of major crops cultivated in the district (2019-20)

S. No	Crop	Area (thousand ha)	Production (thousandton)	Productivity (Qtl /ha)
A	**FIELD CROPS INCLUDING OIL SEEDS AND PULSES**			
1.	Paddy	152497	202895	15.26
2.	Maize	3299	4281	12.98
3.	Jowar	27	37	13.70
4.	Bajra	369	-617	16.72
5.	Arhar	8659	4978	5.75
6.	Urd	24	09	3.73
7.	Moong	02	01	2.77
8.	Ground Nut	2547	1508	5.92
9.	Til	75	12	1.62
10.	Wheat	190499	448884	23.89
11.	Barley	708	1388	19.60
12.	Gram	668	544	8.15
13.	Pea	2766	3587	12.97
14.	Lentil	2275	2067	9.08
15.	Mustard	3492	2373	6.80
16.	Linseed	47	02	4.20
17.	Sugarcane	3955	209034	528.53
B	**FRUITS**			
1.	Banana	6600	264000	40.00
2.	Mango	5500	38500	07.00
3.	Guava	1550	15500	10.00
4.	Litchi	200	13000	06.50
5.	Jamun	100	500	05.00
6.	Papaya	50	500	10.00
7.	Jackfruit	40	360	09.00
8.	Citrus	20	160	08.00
C	**VEGETABLES**			
1.	Potato	5000	125490	250.90

2.5 Weather Data (Jan – Dec, 2020):

Month	Rainfall (mm)	Temperature(^{0}C)		Humidity (%)	
		Max	Min		
				Max	Min
January		24	8	92	32
February		29	8	96	27
March		32	14	93	13
April		37	16	83	10
May		42	20	87	10
June		37	24	96	42
July		35	25	97	59
August		35	26	93	55
September		35	25	93	49
October		35	16	94	22
November		31	11	88	25
December		27	6	100	25

2.6. Production and productivity of livestock, Poultry, Fisheries etc in the district (2012)

Category	Population	Production	Productivity
Cattle			
Crossbred	288765		
Indigenous	186160		
Buffalo	279122		
Sheep			
Crossbred	234		
Indigenous	7660		
Goats	**196224**		
Pigs			
Crossbred	2864		
Indigenous	15168		
Rabbits	-		
Poultry			

Hens (Desi)	682246		
Cock (Desi)			
Improved			
Ducks			
Turkey and others			

Category	**Area**	**Production**	**Productivity**
Fish	2111	1002529 (2017-18)	
Marine			
Inland			
Prawn			
Scampi			
Shrimp			

2.7 Details of Operational Area / Villages

SN	Taluka	Name of the block	Name of the village	Major crops & enterprises	Major problem identified
1.	Campierganj	Jungle Kaudia	Nayagaon, Sihorawa	Rice, Wheat, Arhar, Mustard, Gram, Potato, Tomato, Bitter Gourd, Cucumber, Pumpkin, Ridge Gourd & Cattle	Low Yield, Anestrus and malnutrition in animal, weed infestation, pod-borer in pea, chick pea, Pigeon pea, soil erosion
2.	Campierganj	Campierganj	Atkawa, Mithouri, Kalyanpur, Rakhukhor, Alamchak, Dharampur, Bistauli	Rice, Wheat, Arhar, Mustard, Gram, Potato, Tomato, Cucumber, Pumpkin, Banana, Mango	Introduction of HYV, Integrated Nutrient Management, Integrated Disease Management, less use of organic manure
3.	Sadar	Bhathat	Sishare	Gram, Potato, Tomato, Bottle Gourd, Cucumber, Pumpkin	Integrated Disease Management, Resource Conservation Technology, Integrated Weed Management, Seed production technology

4.	Sahjanwa	Pali	Urwa, Bhaksa, Musthafabad, Pali, Ramukhor, Baundra	Rice, Wheat, Arhar, Mustard, Gram, Potato, Tomato, Ridge Gourd, Banana, Mango, Cattle	Introduction of HYV, integrated disease/pest management, integrated nutrient management, less use of bio-fertilizer
5.	Sadar	Chargawan	Bisunpur, Jangalaurahi	Wheat, Arhar, Mustard, Gram, Potato, Tomato, Bottle Gourd, Cucumber, Pumpkin, Ridge Gourd, Banana, Mango	Integrated Nutrient Management, Integrated Pest Management, Maintenance of Old Orchard, less use of bio-fertilizer
6.	Sadar	Pipraich		Arhar, Mustard, Gram, Potato, Tomato, Bottle Gourd, Cucumber, Pumpkin, Ridge Gourd, Banana, Mango, Buffalo	Kitchen gardening for production of nutritional food by women farmers, less use of organic manure
7.	Chauri Chaura	Sadar Nagar	Rampur Rakwa	Rice, Wheat, Arhar, Mustard, Gram, Potato, Tomato, Bottle Gourd, Cucumber, Pumpkin, Ridge Gourd, Banana, Mango, Cow	Raising productivity of livestock by upgrading the genetic potential by artificial insemination and use of mineral mixture, proper feeding and management
8.	Sadar	Khorabar		Rice, Wheat, Arhar, Mustard, Gram, Potato, Tomato, tree plantation, Mango, goat	Post-Harvest management of food grain seed, fruits, vegetables, milk and milk products, less use of organic manure

9	Sahjanwa	Sahjanwa		Rice, Wheat, Arhar, Mustard, Gram, Potato, Tomato, Pumpkin, Ridge Gourd, Banana, Mango, Buffalo, cow	Raising productivity of livestock by upgrading the genetic potential by artificial insemination, disease and parasitic control, proper feeding and management, less use of organic manure
10	Campierganj	Bharohiya	Chauk Mafi, Badhyachouk, Madaha, Rajabari, Ranadih, Majhauna, Pachgawan	Rice, Wheat, Arhar, Mustard, Gram, Potato, Tomato, Pumpkin, Ridge Gourd, Banana, Mango, Buffalo, cow	Raising productivity of livestock by upgrading the genetic potential by artificial insemination, disease and parasitic control, proper feeding and management, less use of organic manure

Priority Thrust Areas:

SN	Crop/Enterprise	Thrust area
1	Crop Production	Production Technology for kharif, rabi and zaid crop.Improved Production Technology through mechanization
2	RCT	Promotion of resource conservation technology
3	Entrepreneurship	Entrepreneurship development in rural youth
4	Drudgery reduction	Drudgery reductiontechnology and Drudgery reducing farm implements among farm women
5	Horticultural crops	Promotion of high value horticultural crop, Quality seed/planting material production
6	Live stock	Raising productivity of livestock, upgrading genetic potential through artificial insemination, use of mineral mixture, disease and parasitic control, proper feeding and management
7	Organic inputs production	NADEP and Vermi-composting
8	IPM	Promotion of Integrated Pest Management strategies for safe food production and environment protection
9	INM	Promotion of site specific nutrient management through INM for sustainable soil health
11	Kitchen Gardening	Nutritional security through kitchen gardening

3.TECHNICAL PROGRAMME

3. A. Details of targeted mandatory activities by KVK during Jan-Dec 2021

OFT (1)		FLD (2)	
No. of OFTs	**No. of Farmers**	**Area(ha)**	**Number of farmers**
9	**52**	**29.0015**	**287**

Training (3)		Extension Activities (4)	
No. of Courses	**No. of Participants**	**No. of activities**	**No. of participants**
72	**1210**	**1024**	**7565**

Seed Production (Qtl.) (5)	Planting material (Nos.) (6)	Fish seed prod.(nos) (7)	Soil Samples analyze/No. of Cards (8)
383	**20000**	**200**	**500/3000**

Development of Soil Health Cards(Nos) (9)	Quality seed distributed (q) (10)	No of saplings distributed (11)	No of fingelings distributed (Nos) (12)	No of livestock & poultry strains distributed (Nos) (13)
3000	**-**		**-**	**-**

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 Training if any	Title of training for extension personnel if any	Ext. activities	Supply of seeds, planting materials etc.
1.	Productivity enhancement	**Pigeon pea**	Low yield of Pigeon pea due to use of old and mix variety. Improper Management practices	-	Promotion of high yielding variety for yield maximization	Raised bed method of sowing and Intercropping technique in pigeon pea	-	01	Seed
2.	Productivity enhancement	**Green gram**	Low yield in Green gram due to use of imbalance dose of fertilizer	Assessment of efficient use of fertilizer with bio-fertilizer in green gram	-	-Cultural pest management practices in summer pulses for higher returns - Use of biofertilizer for enhancing nutrient use efficiency in pulse crop	-	-	Biofertilizer

3.	Varietal evaluation of oilseed crop	**Mustard**	due to use of old and mix variety Improper Management practices	-	Production potential establishment of mustard	Strategies and technology for enhancing rapeseed production and farmers income	-	01	Seed
4.	Varietal evaluation of chickpea crop	**chickpea**	Low yield of Pigeon pea due to use of old and mix variety. Lack of knowledge Management practices		Promotion of high yielding chickpea variety for yield maximization	Production technology of chickpea for higher production	-	01	Seed
5.	Integrated Weed Management	**Groundnut**	Low yield due to weed infestation	Assessment of post emergence herbicide (Imazethapyr 10 % SL) for weed management in Groundnut	-	-	-	-	Herbicide
6.	Varietal evaluation	Paddy	Low yield of paddy Lack of awareness about recommended Package of practices		Promotion of High Yielding variety of Paddy (NDR 2065 var. and Sambha Sub 1)	Integrated crop management practices in Paddy			Seed
7.	Varietal evaluation	**Wheat**	Low yield of paddy Lack of awareness about recommended Package of practices		Promotion of High Yielding variety of Wheat (DBW 187)	Scientific cultivation of marigold for income generation	-	-+	Seed
8.	Integrated Crop Management	**Onion**	Low yield in Onion due to use of unidentified variety	-	Assessment of efficient use of HYV for Higher income	Intercropping of garlic and onion crop with sugarcane for doubling income	Production technology of kharif onion crop	-	Seedling
9.	Varietal evaluation rcropping	**Vegetable Pea**	Less profitable due to grown old variety.	Yield performance of vegetable pea thru high yielding variety					Vegetable seed

10.	Introduction	**Marigold**			Promotion of flower crop	Scientific cultivation of marigold for income generation	Scientific cultivation of Marigold crop		Seedling
11.	Fodder management	**Berseem**	Low yield and improper fodder management	-	Establishment of production potential through HYV fodder variety	Preparation of balance ration for milch animal	-		Seed
12.	Fodder management	**Sorghum**	Low yield and improper fodder management		Establishment of production potential through HYV fodder variety	Green fodder production technology			Seed
13.	Nutrient management	**Buffalo**	Low milk and income due to conventional ration feeding	Assessment of Bye pass protein on milk production in dairy buffalo					Bye pass protein
14.	Promotion of organic cultivation	**Paddy Wheat**	High input cost	Assessment of efficient of Jivamrit Khad	Promotion of Vermi Compost	Awareness towards human and soil health	-	-	Eisenia fetida
15.	Azola (AS)	**Livestock**	Low yield and improper fodder management	-	Azolla as green fodder for livestock	-	-	-	Azolla and polythene sheet
16.	Entrepreneurship Development	**Bee Keeping**	Low Income		Promotion of Bee Keeping	Scientific method of Bee keeping		01	Distribute 1 Box / farmer
17.	Promotion of vitamin A	**Golden sweet potato**	Deficiency of Vitamin A among adolescent girls	Assessment of golden sweet potato as remedy of Vitamin A deficiency among adolescent girls	-	-	-	-	Golden sweet potato
18.	Promotion of nutrients	**Poshak Laddoo**	Low health status of School going children	Assessment of Poshak Laddooto improve health status of school going children	-	-	-	-	Poshak Laddoo
19.	Productivity enhancement	**Chick pea**	Low yield of chick pea due to severe infestation of wilt and pod borer	Assessment of IPM module in chick pea under rice-wheat production system	Promotion of high yielding chickpea variety for yield maximization	-Pod borer management in gram for yield intensification	-	-	Seed, neem based insecticide, Trichoderma powder, carbendazim, emamectin benzoate of methomyl
20.	Productivity enhancement	**Bitter Gourd**	Low yield of bitter gourd due tosevere infestation of fruit fly	Assessment of IPM strategies for fruit fly management in bitter gourd	Promotion of high yielding bitter gourd variety for yield maximization	Management of fruit fly for yield maximization	-	1	Trap with lure, Neem based insecticides, Bait etc.

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	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	Other	TOTAL
Varietal Evaluation					1						1
Seed / Plant production											
Weed Management			1								1
Integrated Crop Management											
Integrated Nutrient Management	2		1		1						4
Integrated Farming System											
Mushroom cultivation											
Drudgery reduction			1								1
Farm machineries											
Value addition											
Integrated Pest Management			1		1						2
Integrated Disease Management											
Resource conservation technology											
Small Scale income generating enterprises											
ITK											
ICTs											
TOTAL	**2**		**4**		**3**						**9**

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Kitchen garden	Tuber Crops	TOTAL
Varietal Evaluation	-	-	-	-	-	-	-	-	-	-
Seed / Plant production	-	-	-	-	-	-	-	-	-	-
Weed Management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-
Integrated Farming System	-	-	-	-	-	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-	-	-	-	-	-
Drudgery reduction	-	-	-	-	-	-	-	-	-	-
Farm machineries	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-

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

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Wormi culture	Fisheries	TOTAL
Evaluation of Breeds	-	-	-	-	-	-	-	-
Nutrition Management	1	-	-	-	-	-	-	1
Disease of Management	-	-	-	-	-	-	-	-
TOTAL	**1**	-	-	-	-	-	-	**1**

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

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitary	Fisheries	TOTAL
Evaluation of Breeds	-	-	-	-	-	-	-	-
Nutrition Management	-	-	-	-	-	-	-	-
Disease of Management	-	-	-	-	-	-	-	-
Value Addition	-	-	-	-	-	-	-	-
Production and Management	-	-	-	-	-	-	-	-
Feed and Fodder	-	-	-	-	-	-	-	-
Small Scale income generating enterprises	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-

3.1 Details of ON FARM TRIALS (Based on soil test analysis)

OFT-1 **(Agriculture Extension)**

Particulars	Contents
Title	Assessment of IPM strategies for pod borer management in chick pea
Problem diagnosed	Wilt and pod borer are major biotic stresses in the region and it causes serious losses in yield
Micro farming situation	Sandy loam, low in organic matter, saline pH, low water-holding capacity, imbalance use of fertilizer, mini deep tube well, low productivity
Details of technology identified for solution	T1-Farmers practice (No control measure adopted/improper use of Pesticides) T2-:IPM strategies (i)Seed treatment with Trichoderma @ 10 gm/kg seed (ii) Line sowing + coriander (10:1) or linseed (2:1) (iii) Application of neem based products containing 1500 ppm@ 3 litre/ ha at 50% flowering (iv) Spray of Methomyl 40% SP @ 1.25 litre/ha at 50% flowering and at 50% pod filling stage
No. of farmers	05
Replications	05
Area	5000 sqm
Critical inputs	Seed (Var. RSG-963), Neem based insecticides, Trichoderma viridi powder carbendazim, Emamectin benzoate or Methomyl
Production system	Paddy-Chickpea +Inter cropping with coriander/Sugarcane
Source of technology	NCIPM, New Delhi
Total Cost	Rs. 6000/- (Approx.)
Observation to be recorded	No. of affected plant/m2, No. of damaged pod/plant, Average yield (q/ha)
Reaction of the farmers	Acceptability/ compatibility of technology

OFT-2 **(Agriculture Extension)**

Particulars	Contents
Title	Assessment of IPM strategies for fruit fly management in bitter gourd
Problem diagnosed	Fruit fly (*Bactrocera cucurbitae*) is a major biotic stress in the region and it causes serious losses in yield and quality of fruits.

Micro farming situation	Sandy loam, low in organic matter, low water-holding capacity, imbalance use of fertilizer, engine operated tube well, low productivity
Details of technology identified for solution	T1-Farmers practice (Improper use of Pesticides) T2-: IPM strategies (i) Installation of pheromone trap @ 25/ha at flower initiation and replacement of lure @ 40-45 days interval (ii) Bait spray with Malathion 20 ml+20liter water+500 g molasses randomly @ 250 plant/ha (iii) Application of neem-based products containing 1500 ppm@ 3 litre/ ha
No. of farmers	04
Replications	04
Area	4000 sqm
Critical inputs	Trap with lure, Neem based insecticides, Bait etc.
Production system	Bitter gourd-late wheat-Cucumber
Source of technology	IIVR, Varanasi
Total Cost	Rs. 5000/- (Approx.)
Observation to be recorded	No. of affected plant/10 m^2, No. of infected fruit/plant, pest infestation %, Average yield (q/ha)
Reaction of the farmers	Acceptability/ compatibility of technology

OFT-3 (Soil Science)

Particulars	**Contents**
Title	Assessment of yield and economics in paddy.
Problem diagnosed	Low yield paddy due to use of imbalance dose of fertilizer
Micro farming situation	Sandy loam, imbalance use of fertilizer, low productivity, irrigated
Details of technology identified for solution	T1-Farmers practice (imbalanced fertilizer and no use of bio-fertilizer) T2-60:60:40:25::N:P:K:Zn kg/ha (Farmers share) + green manuring (Dhaincha) + *Azotobacter* @ 250 mL/ha
No. of farmers	03
Replications	03
Area	6000 sqm
Critical inputs	Biofertilizer, seed
Production system	Rice-wheat
Source of technology	CSSRI, Regional Research Institute, Lucknow, U.P.
Total Cost	Rs. 6000/- (Approx.)
Observation to be recorded	Number of tillers/plant, plant height, number of grains/spike, BCR,% increase in yield, yield (q/ha.),
Reaction of the farmers	Acceptability of technology among farmers Compatibility in the existing cropping system

OFT-4 (Agronomy)

Particulars	Contents
Title	Assessment of post emergence herbicide (Imazethapyr 10 % SL) for weed management in Groundnut
Problem diagnosed	Low yield due to weed infestation
Micro farming situation	Sandy loam, Irrigated
Details of technology identified for solution	T_1-Farmers practices (only one hand weeding) T_2- Imazethapyr 10 % SL @ 1 liter/ha @ 20 DAS + one hand weeding at 45-50 DAS
No. of farmers	05
Replications	05
Area	5000 sqm
Critical inputs	Imazethapyr
Production system	Groundnut-Wheat/Potato; Pigeon pea+Groundnut
Source of technology	IIWR, Jabalpur, MP
Total Cost	Rs. 3000- (Approx.)
Observation to be recorded	Weed infestation/sqm, dry weight, grain yield, B.C. ratio
Reaction of the farmers	Acceptability of technology among farmers Compatibility in the existing cropping system

OFT-5 (Horticulture)

Particulars	Contents
Title	Assessment of plant growth hormone in chilli.
Problem diagnosed	Low yield of chili due to flower drop.
Micro farming situation	Sandy loam, low water holding capacity, imbalance use of fertilizer, tube well, low productivity
Details of technology identified for solution	T1:- Farmers practice T2:- HYV (Kashi Anmol/ Azad Mirch-1) with Napthlene Acetic Acid (NAA) @ 10 ppm during flowering, 2nd spray 20-30 days later / Chlormequat Chloride (Lehoshin) @ 1 ml per ltr. of water during flowering stage and 2nd spray 20-30 days later..
No. of farmers	05
Replications	05
Area	5000 sqm
Critical inputs	Seed & Napthlene Acetic Acid (NAA) / Chlormequat Chloride (Lehoshin)
Production system	Cucurbits – Chili
Source of technology	IIVR, Varanasi
Total Cost	Rs. 5000.00 (Approx)
Observation to be recorded	Date of 1st Flowering, Date of 50% Flowering, Yield (q/ha), No. of fruits/plant, % increase in yield, BCR
Reaction of the farmers	Acceptability of technology to farmers

OFT-6 (Horticulture)

Particulars	Contents
Title	**Assessment of HYV of vegetable pea variety Kashi Nandini**
Problem diagnosed	Low yield of vegetable pea.
Micro farming situation	Sandy loam, low water holding capacity, imbalance use of fertilizer, tube well, low

	productivity
Details of technology identified for solution	T1:- Farmers practice (Arkil) T2:- HYV (Kashi nandini)
No. of farmers	05
Replications	05
Area	5000 sqm
Critical inputs	Seed
Production system	Cucurbits-vegetable pea
Source of technology	IIVR, Varanasi
Total Cost	Rs. 5000.00 (Approx)
Observation to be recorded	Yield (q/ha), No. of pod/plant, no. of ovule/pod, % increase in yield, BCR
Reaction of the farmers	Acceptability of technology to farmers

OFT-7 (Home Science)

Particulars	**Contents**
Title	Assessment of Poshak-Ladoo to improve health of school going children
Problem diagnosed	Relatively low weight
Possible Solution	Use of Poshak Ladoo (Sprouted Wheat + Besan(Chana))
Farming situation	--
Details of technology identified for solution	T_1- Prevailing Practice T_2-Intake of Poshak Ladoo
No. of farmers	10
Replications	10
Critical inputs	Poshak Ladoo
Production system and thematic area	Poor health status of School going children
Source of technology	Department of Home Science DDUGU, Gorakhpur, U.P.
Total Cost	Rs. 8000/- (Approx)
Observation to be recorded	Weight & Hb Level
Reaction of the farmers	Acceptability of technology among farmers Availability of Nutrients with local available crops.

OFT-8 (Home Science)

Particulars	**Contents**
Title	Assessment of golden sweet potato as remedy of vitamin A deficiency among adolescent girls
Problem diagnosed	Vitamin A deficiency among adolescent girls
Micro situation	-
Details of technology identified for solution	T_1- Prevailing Practices T_2- cooked product of golden sweet potato
No. of farmers	10
Replications	10
Critical inputs	Golden sweet potato

Source of technology	Department of Home Science DDUGU, Gorakhpur, U.P.
Total Cost	Rs. 7000/- (Approx)
Observation to be recorded	Pre-and post eye test
Reaction of the farmers	• Acceptability of technology to farmers

OFT-9 (Animal Science)

Particulars	**Contents**
Title	Assessment of bye pass protein on milk production in dairy buffalo
Problem diagnosed	Low milk and income due to conventional ration feeding
Farming situation	Buffalo/ Mixed Farming
Details of technology identified for solution	T_1- Farmers Practice use of choker & cakes (conventional feed) T_2- Use of Bye- Pass protein feed @ 500 gm per animal per day after calving for three month
No. of farmers/Animals	05
Replications	05
Duration	90 days
Critical inputs	Bye- Pass protein feed
Production system and thematic area	Dairy Nutrient management
Source of technology	IVRI IZatnagar, Bareily, Karnal
Total Cost	Rs 10000.00/-
Observation to be recorded	• Milk Yield • % increases in milk production • BC ratio
Reaction of the farmers	Acceptability & compatibility

3.2 Frontline Demonstrations

A. Details of FLDs to be organized (Based on soil test analysis)

SN	Crop/ Variety	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)/ No.	No. of farmers/ demos	Parameters identified Yield/Profit/Other technological parameters	Budget required (Rs)
1.	Vermi Compost (Agri Ext.)	Promotion of Organic manure	Vermicompost unit development	*Eisenia fetida/Eudrilus eugeniae*	Kharif 2021	.001 5	05 (15kg)	Yield, Cost reduction, net return, B:C ratio	7500
2.	Beekeeping	Entrepreneurship development in rural youth	Beekeeping unit development	*Apis Melifera* (one box/farmer)	Rabi 2021		40	Yield, net return, B:C ratio	20000

3.	Mustard / Pusa Vijay (SS)	Nutrient managem ent	Paddy-Mustard Var. Pusavijay + Sulphur (30kg/ha) + Intercropping with sugarcane	Sulphur	Rabi-2021	2.0	14	Plants height, No. of branches, No. of siliquae, Pod length, Grain yield and B.C. ratio	7000
4.	Chick Pea (SS)	Integrated Nutrient managem ent	T1-Farmers practice (imbalanced fertilizer and no use of bio-fertilizer) T2-15:40:20:20:: N:P:K:S kg/ha (Farmers share) + PSB and *Rhizobium* @ 250 mL/ha	PSB and *Rhizobium*	Rabi 2021	1.0	10	Plant height, Nodule number, nodule weight, Yield (q/ha.), % increase in yield, BC Ratio	6000
5.	Paddy (Agro)	Varietal evaluation	Sambha Sub-1	Seed	Kharif 2021	10.0	80	No. of tillers/hill, Grain yield and B.C. ratio	12000
6.	Wheat / DBW 187	Varietal evaluation	DBW 187	Seed	Rabi 2021	6.00	48	No. of tillers/hill, Grain yield and B.C. ratio	22800
7.	Onion / ALR or ADR (Horti)	Varietal evaluative	Agrifound Light Red/ Agrifound Dark Red	Seedling	Rabi-2021	1.0	10	Yield, B:C ratio, % increase in yield	5000
8.	Marigold (Horti)	Crop Introducti on	Paddy-Marigold Var. Pusa Narange	Seedling	Rabi-2021	0.5	10	Plant height , date of 1st flowering, date of 50% flowering, No. of flowers per plant, yield per plant, net return, B:C ratio,	10000
9.	Seasonal vegetable and fruits (HS)	Low nutritional status	Nutritional garden	Seeds, saplings & Plants	Rabi & Kharif 2021	20no. (0.5 ha)	20	Nutritional level, consumption and savings of vegetables/family	14000
10.	Azola (AS)	Feed &Fodder	Azolla as green fodder for livestock	Azolla and polythene sheet	Kharif – 2021	-	10	Milk yield and B.C. ratio	5000
11.	Berseem (AS)	Feed &Fodder	HYV of Berseem	Seed	Rabi 2021	4.0	30	Fodder yield (q/ha)	20000

12.	Sorghum (AS)	Feed &Fodder	Pant Chari-06/Pusa Chari-615 (As per availability of seed)	Seed	Summer / Kharif -2021	4.0	30	Fodder yield (q/ha)	15000
	Total					**29.0015**	**287**		

B. Extension and Training activities under FLD

SN	Activity	No. of activities	Month	Number of participants
1	**Field days**			
	(a) Chick Pea	1	March,22	40
	(b) Mustard	1	Feb,22	40
	(c) Paddy	1	Oct, 21	40
	(d) Pigeon pea	1	Mar, 22	40
	(e) Berseem	1	Mar, 22	40
	(f) Vermi Compost	1	Oct 21	40
	(g) Bee Keeping	1	Feb, 22	40
	(h)Wheat	1	March, 22	40
	(i) Onion	1	May, 22	40
	(j) Marigold	1	Oct 21	40
	(k) Kitchen Garden	2	Oct 21, March 22	80
	(l) Sorghum	1	Sept 21	40
	(m) Azola	1	March 22	40
2	**Farmers Training**			
	(a) Paddy	1	June, 21	80
	(b) Pigeon pea	1	June, 21	25
	(c) Chick Pea	1	Oct, 21	25
	(d) Mustard	1	Oct, 21	100
	(e) Wheat	1	Nov,-21	30
	(f) Berseem	1	Oct,-21	25
3	Media coverage	25		Mass
4	Training for extension functionaries			

C. Details of FLD on Enterprises

(i) Farm Implements:

Name of the implement	Crop	Season and year	No. of farmers	Area (ha)	Critical inputs	Performance parameters / Indicators	*Data on parameter in relation to technology demonstrated	
							Demon.	Local check

(ii) Livestock Enterprises

Enterprise	Breed	No. of farmers	No. of animals, poultry birds etc.	Critical input	Performance parameters / Indicators	Budget required (Rs)

Sponsored Demonstration

Crop	Variety	Area (Ha)	No. of Farmers
Mustard	RH 749 + seed treatment with Carbendazim @ 2g/kg seed + Yellow sticky trap/Imidacloprid 17.8 SL @ 1ml/2liter water for sucking pest management	40	100
Pigeon pea	IPA 203 + Seed Treatment & Soil Treatment with Trichoderma @ 1 kg per acre +Azadirachtin 0.15% or Pesticide (Indoxacarb 15.8% EC @ 1ml/Liter water or Spinosad 40% SP @ 1ml/2.5-3 Liter of water or Methomyl 40% SP @ 1.5ml/lt water)	10	25

Chickpea	RVG 202 + seed treatment with Trichoderma @ 10 gram/kg seed or Carbendazim @ 2 g/kg seed+ Line sowing + Azadirachtin 0.15% /Emamectin benzoate 5%SG @ 0.4g/liter water/Spinosad 45% SP 0.4 ml/liter water at 50% flowering and 50% pod filling stage	10	25
	Total	**60**	**150**

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

A) ON Campus (PF)

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								
Weed Management								
Resource Conservation Technologies	2	36	0	36	4	0	4	40
Cropping Systems				0			0	0
Crop Diversification	1	18	0	18	2	0	2	20
Integrated Farming				0			0	0
Water management				0			0	0
Seed production				0			0	0
Nursery management				0			0	0
Integrated Crop Management	1	18	0	18	2	0	2	20
Fodder production				0			0	0
Production of organic inputs				0			0	0
Total	**4**	**72**	**0**	**72**	**8**	**0**	**8**	**80**
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	03	36	9	45	9	6	15	60
Off-season vegetables								
Nursery raising	01	12	3	15	3	2	5	20
Exotic vegetables like Broccoli								
Export potential vegetables								
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)								
Total	**04**	**48**	**12**	**60**	**12**	**8**	**20**	**80**
b) Fruits								
Training and Pruning								
Layout and Management of Orchards								
Cultivation of Fruit								
Management of young plants/orchards								
Rejuvenation of old orchards								
Export potential fruits								
Micro irrigation systems of orchards								
Plant propagation techniques								
c) Ornamental Plants								
Nursery Management								
Management of potted plants								
Export potential of ornamental plants								
Propagation techniques of Ornamental Plants								
d) Plantation crops								
Production and Management technology								
Processing and value addition								
e) Tuber crops								
Production and Management technology								
Processing and value addition								
f) Spices								
Production and Management technology								
Processing and value addition								
g) Medicinal and Aromatic Plants								
Nursery management								
Production and management technology								
Post harvest technology and value addition								
III Soil Health and Fertility Management								
Soil fertility management								
Soil and Water Conservation								
Integrated Nutrient Management	1	18	0	18	2	0	2	20
Production and use of organic inputs								
Management of Problematic soils								

Micro nutrient deficiency in crops								
Nutrient Use Efficiency	2	36	0	36	4	0	4	40
Soil and Water Testing	1	18	0	18	2	0	2	20
Total	**4**	**72**	**0**	**72**	**8**	**0**	**8**	**80**
IV Livestock Production and Management								
Dairy Management								
Poultry Management								
Piggery Management								
Rabbit Management/goat								
Disease Management	1	18	0	18	2	0	2	20
Feed management	3	54	0	54	6	0	6	60
Production of quality animal products								
Total	**4**	**72**	**0**	**72**	**8**	**0**	**8**	**80**
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening								
Design and development of low/minimum cost diet								
Designing and development for high nutrient efficiency diet	1	0	15	15	0	5	5	20
Minimization of nutrient loss in processing								
Gender mainstreaming through SHGs	1	0	15	15	0	5	5	20
Storage loss minimization techniques	1	0	15	15	0	5	5	20
Value addition	1	0	15	15	0	5	5	20
Income generation activities for empowerment of rural Women								
Location specific drudgery reduction technologies								
Rural Crafts								
Women and child care								
Post Harvest Management								
Total	**4**	**0**	**60**	**60**	**0**	**20**	**20**	**80**
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems								
Use of Plastics in farming practices								
Production of small tools and implements								
Repair and maintenance of farm machinery and implements								
Small scale processing and value addition								
Post Harvest Technology								
VII Plant Protection								
Integrated Pest Management								
Integrated Disease Management								
Bio-control of pests and diseases								
Production of bio control agents and bio pesticides								
Total								
VIII Fisheries								
Integrated fish farming								
Carp breeding and hatchery management								
Carp fry and fingerling rearing								
Composite fish culture								
Hatchery management and culture of freshwater prawn								
Breeding and culture of ornamental fishes								
Portable plastic carp hatchery								
Pen culture of fish and prawn								
Shrimp farming								
Edible oyster farming								
Pearl culture								
Fish processing and value addition								
IX Production of Inputs at site								
Seed Production								
Planting material production								
Bio-agents production								
Bio-pesticides production								
Bio-fertilizer production								
Vermi-compost production								
Organic manures production								
Production of fry and fingerlings								
Production of Bee-colonies and wax sheets								
Small tools and implements								
Production of livestock feed and fodder								
Production of Fish feed								
X Capacity Building and Group Dynamics								
Leadership development	1	18	0	18	2	0	2	20
Group dynamics								
Formation and Management of SHGs	1	18	0	18	2	0	2	20

Mobilization of social capital								
Entrepreneurial development of farmers/youths	1	18	0	18	2	0	2	20
WTO and IPR issues	1	18	0	18	2	0	2	20
Total	**4**	**72**	**0**	**72**	**8**	**0**	**8**	**80**
XI Agro-forestry								
Production technologies								
Nursery management								
Integrated Farming Systems								
XII Others (Pl. Specify)								
GT (PF)	**24**	**336**	**72**	**408**	**44**	**28**	**72**	**480**
TOTAL	**24**	**336**	**72**	**408**	**44**	**28**	**72**	**480**
(B) RURAL YOUTH								
Mushroom Production	01	7		7	2	1	3	10
Bee-keeping	01	15	0	15	0	0	0	15
Integrated farming	01	10	05	15				15
Seed production (Hort/Agron)	01	13	02	15				15
Production of organic inputs (SS)	01	15	0	15	0	0	0	15
Integrated Farming (Medicinal)								
Planting material production	01	04		04	1		1	05
Vermi-culture (SS)								
Sericulture								
Protected cultivation of vegetable crops								
Commercial fruit production								
Repair and maintenance of farm machinery and implements								
Nursery Management of Horticulture crops								
Training and pruning of orchards								
Value addition								
Production of quality animal products								
Dairying								
Sheep and goat rearing	01	15		15				15
Quail farming								
Piggery								
Rabbit farming								
Poultry production	01	15		15				15
Ornamental fisheries								
Para vets								
Para extension workers								
Composite fish culture								
Freshwater prawn culture								
Shrimp farming								
Pearl culture								
Cold water fisheries								
Fish harvest and processing technology								
Fry and fingerling rearing								
Small scale processing	1	0	10	10	0	5	5	15
Post Harvest Technology	1	0	10	10	0	5	5	15
Tailoring and Stitching	1	0	10	10	0	5	5	15
Rural Crafts	1	0	10	10	0	5	5	15
TOTAL	**12**	**94**	**47**	**141**	**3**	**21**	**24**	**165**
(C) Extension Personnel								
Productivity enhancement in field crops(Agro)	01	15	0	15	0	0	0	15
Integrated Disease Management (PP)								
Integrated Pest Management(PP)								
Integrated Nutrient management (SS)	02	30	0	30	0	0	0	30
Integrated Crop Management								
Cultivation of fruit	01	15	0	15	0	0	0	15
Rejuvenation of old orchards								
Off-Season Vegetable Production								
Protected cultivation technology (Hort)	01	15	0	15	0	0	0	15
Formation and Management of SHGs								
Group Dynamics and farmers organization	01	15	0	15	0	0	0	15
Information networking among farmers	01	15	0	15	0	0	0	15
Capacity building for ICT application								
Care and maintenance of farm machinery and implements								
WTO and IPR issues								
Management in farm animals	01	15	0	15	0	0	0	15
Livestock feed and fodder production								
Household food security								

Women and Child care (HS)	1	0	15	15	0	0	0	15
Low cost and nutrient efficient diet designing (HS)	1	0	15	15	0	0	0	15
Production and use of organic inputs (SS)								
Gender mainstreaming through SHGs								
Feed Management (AS)								
Disease Management(AS)	01	15	0	15	0	0	0	15
Bio-control of pest and diseases								
Soil and Water Testing								
Management of problematic soil								
Micronutrient Deficiency in Crop								
TOTAL	**11**	**135**	**30**	**165**	**0**	**0**	**0**	**165**
G. Total PF+RY+EF	**47**	**565**	**149**	**714**	**47**	**49**	**96**	**710**

B) OFF Campus (PF)

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								
Weed Management	1	15	2	17	2	1	3	20
Resource Conservation Technologies	1	15	2	17	2	1	3	20
Cropping Systems								
Crop Diversification	1	15	2	17	2	1	3	20
Integrated Farming								
Water management								
Seed production								
Nursery management								
Integrated Crop Management	1	15	2	17	2	1	3	20
Fodder production								
Production of organic inputs								
Total	**4**	**60**	**8**	**68**	**8**	**4**	**12**	**80**
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops								
Off-season vegetables	1	15	2	17	2	1	3	20
Nursery raising	1	15	2	17	2	1	3	20
Exotic vegetables like Broccoli								
Export potential vegetables								
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)								
b) Fruits								
Training and Pruning								
Layout and Management of Orchards								
Cultivation of Fruit	2	30	4	34	4	2	6	40
Management of young plants/orchards								
Rejuvenation of old orchards								
Export potential fruits								
Micro irrigation systems of orchards								
Plant propagation techniques								
c) Ornamental Plants								
Nursery Management								
Management of potted plants								
Export potential of ornamental plants								
Propagation techniques of Ornamental Plants								
d) Plantation crops								
Production and Management technology								
Processing and value addition								
e) Tuber crops								
Production and Management technology								
Processing and value addition								
f) Spices								
Production and Management technology								
Processing and value addition								
g) Medicinal and Aromatic Plants								
Nursery management								
Production and management technology								
Post harvest technology and value addition								

Total	**4**	**60**	**8**	**68**	**8**	**4**	**12**	**80**
III Soil Health and Fertility Management								
Soil fertility management								
Soil and Water Conservation								
Integrated Nutrient Management	1	15	2	17	2	1	3	20
Production and use of organic inputs	1	15	2	17	2	1	3	20
Management of Problematic soils								
Micro nutrient deficiency in crops								
Nutrient Use Efficiency	1	15	2	17	2	1	3	20
Soil and Water Testing	1	15	2	17	2	1	3	20
Total	**4**	**60**	**8**	**68**	**8**	**4**	**12**	**80**
IV Livestock Production and Management								
Dairy Management	01	15	2	17	2	1	3	20
Poultry Management								
Piggery Management								
Rabbit Management /goat								
Disease Management	02	30	4	34	4	2	6	40
Feed management	01	15	2	17	2	1	3	20
Production of quality animal products								
Total	**4**	**60**	**8**	**68**	**8**	**4**	**12**	**80**
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	1	0	15	15	0	5	5	15
Design and development of low/minimum cost diet								
Designing and development for high nutrient efficiency diet								
Minimization of nutrient loss in processing								
Gender mainstreaming through SHGs	1	0	15	15	0	5	5	20
Storage loss minimization techniques								
Value addition								
Income generation activities for empowerment of rural Women	1	0	15	15	0	5	5	20
Location specific drudgery reduction technologies								
Rural Crafts	1	0	15	15	0	5	5	20
Women and child care	1	0	15	15	0	5	5	20
Total	**5**	**0**	**75**	**75**	**0**	**25**	**25**	**100**
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems								
Use of Plastics in farming practices								
Production of small tools and implements								
Repair and maintenance of farm machinery and implements								
Small scale processing and value addition								
Post Harvest Technology								
VII Plant Protection								
Integrated Pest Management								
Integrated Disease Management								
Bio-control of pests and diseases								
Production of bio control agents and bio pesticides								
Total								
VIII Fisheries								
Integrated fish farming								
Carp breeding and hatchery management								
Carp fry and fingerling rearing								
Composite fish culture								
Hatchery management and culture of freshwater prawn								
Breeding and culture of ornamental fishes								
Portable plastic carp hatchery								
Pen culture of fish and prawn								
Fish processing and value addition								
IX Production of Inputs at site								
Seed Production								
Planting material production (Horti.)								
Bio-pesticides production								
Vermi-compost production (Horti.)								
Organic manures production (A.S.)								

Production of fry and fingerlings								
Production of Bee-colonies and wax sheets								
Small tools and implements								
Production of livestock feed and fodder								
Production of Fish feed								
X Capacity Building and Group Dynamics								
Leadership development	1	18	0	18	2	0	2	20
Group dynamics								
Formation and Management of SHGs	1	18	0	18	2	0	2	20
Mobilization of social capital	1	18	0	18	2	0	2	20
Entrepreneurial development of farmers/youths	1	18	0	18	2	0	2	20
WTO and IPR issues								
Total	**4**	**72**	**0**	**72**	**8**	**0**	**8**	**80**
XI Agro-forestry								
Production technologies								
Nursery management								
Integrated Farming Systems (Agro)								
XII Others (Pl. Specify)								
TOTAL	**25**	**312**	**107**	**419**	**40**	**41**	**81**	**500**

C) Consolidated table (ON and OFF 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								
Weed Management	1	15	2	17	2	1	3	20
Resource Conservation Technologies	3	51	2	53	6	1	7	60
Cropping Systems								
Crop Diversification	2	33	2	35	4	1	5	40
Integrated Farming								
Water management								
Seed production								
Nursery management								
Integrated Crop Management	2	33	2	35	4	1	5	40
Fodder production								
Production of organic inputs								
Total	**8**	**132**	**8**	**140**	**16**	**4**	**20**	**160**
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	3	36	9	45	9	6	15	60
Off-season vegetables	1	15	2	17	2	1	3	20
Nursery raising	2	27	5	32	5	3	8	40
Exotic vegetables like Broccoli								
Export potential vegetables								
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)								
b) Fruits								
Training and Pruning								
Layout and Management of Orchards								
Cultivation of Fruit	2	30	4	34	4	2	6	40
Management of young plants/orchards								
Rejuvenation of old orchards								
Export potential fruits								
Micro irrigation systems of orchards								
Plant propagation techniques								
c) Ornamental Plants								
Nursery Management								
Export potential of ornamental plants								
Propagation techniques of Ornamental Plants								
d) Plantation crops								
Production and Management technology								
Processing and value addition								
e) Tuber crops								
Production and Management technology								
Processing and value addition								

f) Spices								
Production and Management technology								
Processing and value addition								
g) Medicinal and Aromatic Plants								
Nursery management								
Production and management technology								
Post harvest technology and value addition								
Total	**8**	**108**	**20**	**128**	**20**	**12**	**32**	**160**
III Soil Health and Fertility Management								
Soil fertility management								
Soil and Water Conservation								
Integrated Nutrient Management	02	33	02	35	4	1	5	40
Production and use of organic inputs	01	15	02	17	2	1	03	20
Management of Problematic soils								
Micro nutrient deficiency in crops								
Nutrient Use Efficiency	03	51	2	53	6	1	7	60
Soil and Water Testing	02	33	2	35	4	1	5	40
Total	**8**	**132**	**8**	**140**	**16**	**4**	**20**	**160**
IV Livestock Production and Management								
Dairy Management								
Poultry Management	1	15	2	17	2	1	3	20
Piggery Management								
Rabbit Management/goat								
Disease Management	3	48	4	52	6	2	8	60
Feed management	4	69	2	71	8	1	9	80
Production of quality animal products								
Total	**8**	**132**	**8**	**140**	**16**	**4**	**20**	**160**
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	1	0	15	15	0	5	5	15
Design and development of low/minimum cost diet								
Designing and development for high nutrient efficiency diet	1	0	15	15	0	5	5	20
Minimization of nutrient loss in processing								
Gender mainstreaming through SHGs	2	0	30	30	0	10	10	20
Storage loss minimization techniques	1	0	15	15	0	5	5	20
Value addition	1	0	15	15	0	5	5	20
Income generation activities for empowerment of rural Women	1	0	15	15	0	5	5	20
Location specific drudgery reduction technologies								
Rural Crafts	1	0	15	15	0	5	5	20
Women and child care	1	0	15	15	0	5	5	20
Post Harvest Management								
Total	**9**	**0**	**135**	**135**	**0**	**45**	**45**	**180**
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems								
Use of Plastics in farming practices								
Production of small tools and implements								
Repair and maintenance of farm machinery and implements								
Small scale processing and value addition								
Post Harvest Technology								
VII Plant Protection								
Integrated Pest Management								
Integrated Disease Management								
Bio-control of pests and diseases								
Production of bio control agents and bio pesticides								
Total								
VIII Fisheries								
Integrated fish farming								
Carp breeding and hatchery management								
Carp fry and fingerling rearing								
Composite fish culture								
Hatchery management and culture of freshwater prawn								
Breeding and culture of ornamental fishes								
Portable plastic carp hatchery								
Pen culture of fish and prawn								
Shrimp farming								
Edible oyster farming								
Pearl culture								
Fish processing and value addition								
IX Production of Inputs at site								

Seed Production								
Planting material production								
Bio-agents production								
Bio-pesticides production								
Bio-fertilizer production								
Vermi-compost production								
Organic manures production								
Production of fry and fingerlings								
Production of Bee-colonies and wax sheets								
Small tools and implements								
Production of livestock feed and fodder								
Production of Fish feed								
X Capacity Building and Group Dynamics								
Leadership development	2	36	0	36	4	0	4	40
Group dynamics	0	0	0	0	0	0	0	0
Formation and Management of SHGs	2	36	0	36	4	0	4	40
Mobilization of social capital	1	18	0	18	2	0	2	20
Entrepreneurial development of farmers/youths	2	36	0	36	4	0	4	40
WTO and IPR issues	1	18	0	18	2	0	8	20
Total	**8**	**144**	**0**	**144**	**16**	**0**	**16**	**160**
XI Agro-forestry								
Production technologies								
Nursery management								
Integrated Farming Systems								
XII Others (Pl. Specify)								
TOTAL	**40**	**648**	**44**	**692**	**84**	**24**	**108**	**800**
(B) RURAL YOUTH								
Mushroom Production	01	7		7	2	1	3	10
Bee-keeping	01	15	0	15	0	0	0	15
Integrated farming	01	10	05	15				15
Seed production (Hort)								
Seed production (Agro)	01	13	02	15				15
Production of organic inputs (SS)	01	15	0	15	0	0	0	15
Integrated Farming (Medicinal)								
Planting material production	01	04		04	1		1	05
Vermi-culture (SS)								
Sericulture								
Protected cultivation of vegetable crops								
Commercial fruit production								
Repair and maintenance of farm machinery and implements								
Nursery Management of Horticulture crops								
Training and pruning of orchards								
Value addition (Ext)								
Production of quality animal products								
Dairying (AS)								
Sheep and goat rearing	01	15		15				15
Quail farming								
Piggery								
Rabbit farming								
Poultry production (AS)	01	15		15				15
Ornamental fisheries								
Para vets								
Para extension workers								
Shrimp farming								
Pearl culture								
Cold water fisheries								
Fish harvest and processing technology								
Fry and fingerling rearing								
Small scale processing (HS)	1	0	10	10	0	5	5	15
Post Harvest Technology	1	0	10	10	0	5	5	15
Tailoring and Stitching	1	0	10	10	0	5	5	15
Rural Crafts (HS)	1	0	10	10	0	5	5	15
TOTAL	**12**	**94**	**47**	**141**	**3**	**21**	**24**	**165**
(C) Extension Personnel								
Productivity enhancement in field crops (Agro)	1	15	0	15	0	0	0	15
Integrated Disease Management (PP)								
Integrated Pest Management (PP)								
Integrated Nutrient management (SS)	2	30	0	30	0	0	0	30

Integrated Crop Management (Hort)								
Cultivation of fruit	1	15	0	15	0	0	0	15
Rejuvenation of old orchards								
Off-Season Vegetable Production								
Protected cultivation technology (Hort)	1	15	0	15	0	0	0	15
Formation and Management of SHGs								
Group Dynamics and farmers organization(Ext)	1	15	0	15	0	0	0	15
Information networking among farmers(Ext)	1	15	0	15	0	0	0	15
Capacity building for ICT application (Ext)								
Care and maintenance of farm machinery and implements								
WTO and IPR issues								
Management in farm animals	01	15	0	15	0	0	0	15
Livestock feed and fodder production								
Household food security (HS)								
Women and Child care	1	0	15	15	0	0	0	15
Low cost and nutrient efficient diet designing (HS)	1	0	15	15	0	0	0	15
Production and use of organic inputs (SS)								
Gender mainstreaming through SHGs								
Feed Management (AS)								
Disease Management (AS)	01	15	0	15	0	0	0	15
Bio-control of pest and diseases								
Soil and Water Testing								
Management of problematic soil								
Micronutrient Deficiency in Crop (SS)								
TOTAL	**11**	**135**	**30**	**165**	**0**	**0**	**0**	**165**
G. Total	**72**	**877**	**256**	**1133**	**87**	**90**	**177**	**1210**

Details of training programmes attached in **Annexure -I**

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	6	200	25	225	15	-	15	215	25	240
Kisan Ghosthi	8	200	20	220	15	-	15	215	20	235
Kisan Mela	1	850	100	950	50	-	50	900	100	1000
Film Show	5	140	20	160	5	-	5	145	20	165
Method Demonstrations	6	120	10	130	-	-	-	120	10	130
Group meetings	2	-	30	30	-	5	5	-	35	35
Newspaper coverage	50	Mass								
Radio talks	10									
TV talks	20									
Popular articles	10									
Advisory Services	300	200	50	250	50	-	50	250	50	300
Scientific visit to farmers field	100	290	60	350	-	-	-	290	60	350
Farmers visit to KVK	300	425	75	500	-	-	-	425	75	500
Self Help Group Conveners meetings	2	15	5	20	-	-	-	15	5	20
Animal health /vaccination camp	2	50	10	60	-	-	-	50	10	60
Exhibition	1	850	100	950	50	-	50	900	100	1000
Lecture to be delivered as resource person	25	2500	-	2500	-	-	-	2500	-	2500
Extension	7	-	-	-	-	-	-	-	-	-

literature										
Diagnostic visit	150	300	20	320	-	-	-	300	20	320
Soil health camp	3	120	30	150	-	-	-	120	30	150
Soil test campaign	10	300	50	350	20	-	20	320	50	370
Celebration of important days	2	40	-	40	10	-	10	50	-	50
Farmers-Scientists interaction	4	140	-	140	-	-	-	140	-	140
SMS Advisory services	6	-	-	-	-	-	-	-	-	-
Total	1030	6740	605	7345	215	5	220	6955	610	7565

3.5 Target for Production and supply of Technological products (Jan'21 to Dec'21)

Seed Materials

Sl. No.	Crop	Variety*	Qty targeted(q)	Season	Area (ha)
A.	**CEREALS**				
	Rice	NDR-20165,HUR-105,Sambha Sub-1	140.00	Kharif-2021	05
	Wheat	HD-2967/DBW 187, DBW-252	140.00	Rabi-2021-22	05
B.	**OILSEEDS**				
	Mustard	Pitambari,RH-749, Giriraj	8.00	Rabi-2021-22	01
C.	**PULSES**				
	Chick Pea	GNG – 1581	10.00	Rabi-2021-22	01
	Pigeon Pea	IPA-203	15.00	Kharif-2021	02
D.	**VEGETABLES**				
	Potato	KufriKhyati,Kufri Sinduri,Kufari Lalima	80.00	Rabi-2021-22	1
E.	**FODDER CROPS**				
Total			38nn n3		15.0

Planting Materials:20000

Sl. No.	Crop	Variety	Quantity (Nos.)
FRUITS	Papaya,Mango, Guava,Anvala, Ber, Bael, Jackfruit	Honey Dew, Pusa Dwarf,Gaurvajeet, Dashahari,Amrapali, Mallika,Gola,Narendra Beal	500
VEGETABLES	Tomato (summer+winter)	Kashi Amrit, Kashi Vishesh	16000
	Brinjal (Summer+Winter)	Kashi Sandesh,Pant Rituraj	
	Chilli	Kashi Anmol, Azad Mirch-1	
	Cole crops (Cauliflower+Cabbage)	Pant Subhra-1	
	Onion	ALR/ADR	
ORNAMENTAL CROPS	Marigold,Rose,Gladolus, **Calandula**	Pusa Narangi	3500
	Winter season annuals	**Calandula**	
Total (Nos)			20,000

Bio-products

SN	Product Name	Species	(kg)
Bio Fertilizers	Vermin compost + verms	*EiseniafetidaEudrimusEugeniae*	Compost-500kg Verms-30kg
Azola	--	Azola	100 Kg

LIVESTOCK

Sl. No.	Type	Breed	Quantity	
			Nos	Kg
Cattle				
SHEEP AND GOAT				
POULTRY				
FISHERIES		Common Carp,Rohu Carp, Catala Carp ,Slver Carp		1000 Kg.
Others (Specify)				

3.6. Literature to be Developed/Published

(A) KVK News Letter : yes
Date of Start : Jan 2021
Number of copies to be published : E Publication
(B) Literature to be developed/published

Item	Number of copies
Research papers	06
Technical reports	02
News letters	02
Technical bulletins	02
Popular articles	12
Extension literature	08
TOTAL	**32**

(C) Details of Electronic Media to be produced

SN	Type of media(CD/VCD/DVD/Audio-cassette)	Title of the programme	Number
1	Audio		

3.7. Success stories/Case studies to be identified for development as a case.(Nos):05

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

- **Practicing Farmers**
- **Rural Youth**
- **In-Service Personnel**

Group meeting, scientist farmers' interface, discussion with farmers, and request from governmental line department

3.9. Indicate the methodology for identifying OFTs/FLDs

For OFT :

i) Field level observations
ii) Farmer group discussions

For FLD :

i) New variety/technology
ii) Poor yield at farmers level

3.10 Field activities

i. Name of villages identified/adopted with block name (from which year) - 25 villages Block:- Campierganj (4-village), JangalKaudiya(7-village), Bhathat(1-village), Pali (3-village), Chargawan(3-village), Pipraich(3-village), Sardar Nagar (1-village), Khorabar(1-village) and Sahjanwan (02 Village)
ii. No. of farm families selected per village :100
iii. No. of survey/PRA conducted :05
iv. No. of technologies taken to the adopted villages
v. Name of the technologies found suitable by the farmers of the adopted villages:
vi. Impact (production, income, employment, area/technological– horizontal/vertical)
vii. Constraints if any in the continued application of these improved technologies

3.11. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab : Soil Testing Lab established with 2 soil testing mini kit

1. Year of establishment : Soil Testing Lab establishment year is **2017**

2. List of equipment's purchased with amount: to be purchase

SN	Name of the Equipment	Qty	Cost(Rs)
1	Flame Photometer		
2	Digital pH meter		
3	Digital pH conductivity meter		
4.	Physical balance		
5.	Oven		
6.	Spectrophotometer attached with computer		
7.	Dispenser		
8.	Electronic Balance		
9.	Blender with lift off container		
10.	Double Distillation with auto cut		
11.	Hot Plate		
12.	Kjeldhal distillation		
13.	Shaking Machine		
14.	Water Deionizer		
15.	Fume Hood		
16.	Incubator		
17.	Ultra violet Tube		
18.	Soil Testing Kit	02	2,02,960.00
19.	Refrigerator		
20.	Gas Cylinder (LPG)		
21.	Regulator (LPG)		
22.	Gas Pipe		
Total			

3. Targets of samples for analysis:

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	500	3000	150	-
Water	0	0	0	-
Plant	250	250	70	-
Total	**750**	**3250**	**220**	

4.0 LINKAGES

4.1 Functional linkage with different organizations

SN	Name of Organization	Nature of Linkage
1.	Soil testing department	Trainers for training, assistance in soil testing lab of KVK, assistance in organizing Kisan Mela
2.	RTI	Training
3.	District Agriculture Department	Training, diagnostic survey, conducting in-service training programme, Food Security Mission
4.	District Horticulture Department	Training, Diagnostic survey, National Horticulture Mission
5.	IIVR Varanasi	Resource person for training, Diagnostic survey, cooperative vegetable seed linkage
6.	IFFCO Foundation	Training & demonstration
7.	KRIBHCO	Grading of seeds
8.	Deptt of Animal Husbandry	Vaccination, deworming and trainings
9.	NABARD	Participation in meeting and training
10.	Nehru Yuva Kendra	Training
11.	ANDUA&T, Ayodhya	Latest released varieties & guidance
12	PPL, Varanasi	Training
13	TATA Chemicals limited, Bombay	Training
14	Dhanuka, New Delhi	Kisan Mela
15.	Banks	Kisan Mela.
16.	CIMAP, Lucknow	Advisory Services
17	ATMA, Gorakhpur	Training, Member Governing Board, Advisory Services
18	DSR, Mau	Training, Seed Linkage
19	Mahindra Samridhi	Training, Soil Testing
20	IARI, New Delhi	Demonstration
21	NHM, New Delhi	Demonstration units, Training
22	IISR, Lucknow	Demonstration units, Training
23	ITC	Training
24	UP Food Preservation Dept.	Food Preservation
25	NRLM	SHG
26	Reliance	Advisary Services
27	Tata Dhanya	Training, Demonstration
28	Byer Crop Sciences	Training, Demonstration
29	Nuzivedu	Training, Demonstration
30	Dayal Feritlizer	Training, Demonstration
31	UPL	Training, Demonstration
32	DDUGU	FPO formation
33	HURL	Training, Demonstration

4.2 Details of linkage with ATMA

a) Is ATMA implemented in your district (Yes/No) :Yes

Sl. No.	Programme	Nature of linkage	Remarks
1.	Training programme	Scientists as resource person	Attend programmes
2.	AES (Agro-Ecological situation)	Scientists of KVK visits trials conducted by ATMA	-
3.	Front Line Demonstration (FLD)	KVK's scientists visits demonstrations for supervision & Field Day	-

4.3 Give details of programme under National Horticulture Mission

SN	Programme	Nature of linkage
1		

4.4 Nature of linkage with National Fisheries Development Board

SN	Programme	Nature of linkage
1		

5.0 Utilization of Hostel facilities

SN	Programmes	No of days
1	-	-
Total		

6.0 Convergence with departments:Krishi Vigyan Kendra Gorakhpur is working in collaboration with ATMA towards agricultural development of district Gorakhpur. KVK Gorakhpur is also working with line departments in training, demonstration, planning etc.

7.0 Feedback of the farmers about the technologies demonstrated and assessed :

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

Annexure-I

Training Programme

i) Farmers & Farm women (On Campus)

Date	Clientele (PF/RY/ FW)	Title of the training programme	Duration in days	Number of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
Crop Production										
01-June-21	PF	Raised bed method of sowing and Intercropping technique in pigeon pea	1	18	0	18	2	0	2	20
08-June-21	PF	Integrated crop management practices in Paddy	1	18	0	18	2	0	2	20
15-Oct-21	PF	Production technology of chickpea for higher production	1	18	0	18	2	0	2	20
28-Oct-21	PF	Strategies and technology for enhancing rapeseed production and farmers income	1	18	0	18	2	0	2	20
		Total	**4**	**72**	**0**	**72**	**8**	**0**	**8**	**80**
Horticulture										

11-April-21	PF	Plastic mulching for efficient use for weed management in Brinjal crop	1	10	5	15	3	2	5	20
15-May-21	PF	Use of trellis system in Bottlegourd & Bittergourd production for higher income	1	18	0	18	2	0	2	20
12-Sept.- 21	PF	Use of drip irrigation for efficient use of water in tomato/chilli crop for higher monetary returns	1	10	5	15	4	1	5	20
15-Oct.- 21	PF	Autumn sugarcane intercropping with gladiolus/ marigold/radish for doubling income	1	18	0	18	2	0	2	20
		Total	**04**	**56**	**10**	**66**	**11**	**3**	**14**	**80**
Livestock prod.										
11-Nov-2021	PF	Preparation of balance ration for milch animal	1	18	-	18	2	-	2	20
20-April-2021	PF	Ideal animal husbandry for milk production & income generation	1	18	-	18	2	-	2	20
17-Feb-2021	PF	Important diseases of cattle and their control measures	1	18	-	18	2	-	2	20
25-Mar-2021	PF	Improvement of poor quality roughages like paddy & wheat straw	1	18	-	18	2	-	2	20
		Total	**4**	**72**	**-**	**72**	**8**	**-**	**8**	**80**
Home Sc.										
12-feb-21	PF	Value Addition of food grain	1	00	15	15	00	05	05	20
23-April-21	PF	Capacity building training for SHGs of Women	1	00	15	15	00	05	05	20
18-june-21	PF	Safe storage of food grain	1	00	15	15	00	05	05	20
16-Sep-21	PF	Preparation of low cost diet for child	1	00	15	15	00	05	05	20
		Total	**4**	**00**	**60**	**60**	**00**	**20**	**20**	**80**
Soil Health										
27-April-21	PF	Use of biofertilizer for enhancing nutrient use efficiency in pulse crop	1	18	0	18	2	0	2	20
13-July-21	PF	Site specific nutrient management in paddy & use of bio-fertilizer	1	18	0	18	2	0	2	20
18-Oct.- 21	PF	INM in wheat for higher production & returns	1	18	0	18	2	0	2	20
24-March-21	PF	INM in cucurbitaceous crop for income generation	1	18	0	18	2	0	2	20
		Total	**4**	**72**	**0**	**72**	**8**	**0**	**8**	**80**
Agri. Ext.										
04-April-21	PF	Awareness towards PMFBY for compensate crop losses	1	18	0	18	2	0	2	20
08-June-21	PF	Policy and programmes for doubling farm income	1	18	0	18	2	0	2	20
10-Aug.- 21	PF	Role of ICT in doubling the income of farmers	1	18	0	18	2	0	2	20
15-Oct.- 21	PF	Efficient marketing channels for enhancing the income of farm produce	1	18	0	18	2	0	2	20
			4	**72**	**0**	**72**	**8**	**0**	**8**	**80**

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										
11-Aug-21	PF	Integrated Weed management practices in Paddy	1	15	2	17	2	1	3	20
26-Sept-21	PF	Integrated Farming system an approach to doubling farmers income	1	15	2	17	2	1	3	20
06-Nov. - 21	PF	Production technology of Wheat for higher production	1	15	2	17	2	1	3	20
12 -Dec - 21	PF	Integrated Pest and disease management in Mustard	1	15	2	17	2	1	3	20
		Total	**4**	**60**	**8**	**68**	**8**	**4**	**12**	**80**
Horticulture										
06-June-21	PF	Intercropping of vegetables with Banana crop for doubling income	1	15	2	17	2	1	3	20
24-July-21	PF	Scientific cultivation of Papaya for income generation and nutritional security	1	15	2	17	2	1	3	20
10-Aug.- 21	PF	Intercropping of garlic and onion crop with sugarcane for doubling income	1	15	2	17	2	1	3	20
16-Dec.- 21	PF	Off season seedling of Bottle gourd, Bitter gourd & Cucumber production for maximizing the monetary returns	1	15	2	17	2	1	3	20
		Total	**4**	**60**	**8**	**68**	**8**	**4**	**12**	**80**
Live Stock Production.										
12-May-21	PF	Vaccination schedule for livestock	1	15	2	17	2	1	3	20
25-July-21	PF	Ideal animal husbandry through scientific method for income generation	1	15	2	17	2	1	3	20
23-Sept-21	PF	Control of sterility & infertility in farm animals	1	15	2	17	2	1	3	20
13-Dec-21	PF	Conserving fodder during scarcity (hay and silage making)	1	15	2	17	2	1	3	20
		Total	**4**	**60**	**8**	**68**	**8**	**4**	**12**	**80**
Home Science										
16-March-21	PF	Production of seasonal vegetables to enhance health status	1	00	15	15	00	05	05	20
28-May-21	PF	Capacity building training for SHGs of women	1	00	15	15	00	05	05	20
18-june-21	PF	Income generating activity for empowerment of rural women	1	00	15	15	00	05	05	20
26-Aug-21	PF	Nutritional upliftment by low cost locally available less familiar food	1	00	15	15	00	05	05	20
17-nov-21	PF	Preparation of rural craft for financial upliftment of farm women.	1	00	15	15	00	05	05	20
		Total	**5**	**00**	**75**	**75**	**00**	**25**	**25**	**100**
Soil health										
10- April-20	PF	INM in summer pulses for yield enhancement	1	15	2	17	2	1	3	20
15-June-20	PF	Use of balanced dose of chemical fertilizer and bio-fertilizer in paddy	1	15	2	17	2	1	3	20
12 July-20	PF	INM in vegetable crops	1	15	2	17	2	1	3	20
15-Oct-20	PF	INM in wheat	1	15	2	17	2	1	3	20
		Total	**4**	**60**	**8**	**68**	**8**	**4**	**12**	**80**
Extension										
17-Aug,- 21	PF	Awareness towards income generation via SHGs	1	18	0	18	2	0	2	20

14-June,- 21	PF	Use and importance of ITK in farming community	1	18	0	18	2	0	2	20
28-Nov,- 21	PF	Awareness towards human and soil health	1	18	0	18	2	0	2	20
20-Oct.- 21	PF	Income generation via mobilizing farm people	1	18	0	18	2	0	2	20
		Total	**4**	**60**	**8**	**68**	**8**	**4**	**12**	**80**

ii) Vocational training programmes for Rural Youth

SN	Crop / Enterprise	Identified Thrust Area	Training title*	Month	Duration (days)	No. of Participants			SC/ST participants			G.Total
						M	F	T	M	F	T	
1	Biofertilizer (SS)	Bio-fertlizer use promotion	Use of biofertilizer for enhancing nutrient use efficiency and yield maximization	26-28 Oct.- 21	03	15	0	15	0	0	0	15
2	Commercial Goat Farming	Promotion of Goat farming	Income generation through Goat Farming	03-05 Feb 21	03	15	0	15	0	0	0	15
3	Vegetables (Hort)	Promotion of Seedling production	Seedling production technique through pro tray technology	14-18 July.-21	05	12	02	14	1	-	1	15
4	Saplings production (Hort)	Production of saplings	Maligiri training	05-07 July-21	03	04	0	04	1	-	1	05
5	Mushroom (PP/Hort/SS)	Promotion of supplementary food	Mushroom production technology	10-12 Sept.- 21	03	7	0	7	2	1	3	10
6	Wheat (Agro)	Seed production	Seed production technology of wheat	22-24 Nov-21	03	11	0	11	4	0	4	15
7	Honey bee (Ext)	Production of honey for income generation	Honey Production technology	12-14 Nov,-21	03	15	0	15	0	0	0	15
8	Crop + Livestock	Integrated farming system	Income generation through integrated farming system	24-28-August., 21	03	10	5	15	0	0	0	15
Total						**89**	**7**	**96**	**8**	**1**	**9**	**105**

iii) Training programme for extension functionaries (On 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	
On Campus										
17- July-21	**EF**	Production technology of fruit crop (Hort)	1	15	0	15	0	0	0	15
21-Nov.- 21	**EF**	Use of polyhouse, green house & net house for horticulture crop production (Hort)	1	15	0	15	0	0	0	15
05-April-21	**EF**	Integrated nutrient management in zaid crops(SS)	1	15	0	15	0	0	0	15
02-Aug-21	**EF**	Integrated nutrient management in paddy for increasing nutrient use efficiency (SS)	1	15	0	15	0	0	0	15
26-Oct-21	**EF**	Seed production technique of chickpea (Agron)	1	15	0	15	0	0	0	15
30-Oct,- 21	**EF**	Formation & management of FPO (Agri. Ext.)	1	15	0	15	0	0	0	15
23-Mar,-21	**EF**	Challenges and opportunities for startups (Agri. Ext)	1	15	0	15	0	0	0	15
09-Feb-21	**EF**	Disease management in live stock (Ani Sc.)	1	15	0	15	0	0	0	15
18-Dec-21	**EF**	Care & management of livestock (Ani Sc.)	1	15	0	15	0	0	0	15
		Total	**9**	**135**	**-**	**135**				**135**

iv) Sponsored programme Nil

Discipline	Sponsoring agency	Clientele	Title of the training programme	No. of course	No. of participants			Number of SC/ST			G. Total
					M	F	T	M	F	T	
a) Sponsored training progdramme											
			Total								
b) Sponsored research programme											
			Total								
c) Any special programmes											
			Total								

Quality Vegetable Nursery Development Plan(2020-21): 0.25 एकड़)

SN	Name of vegetable
1	Toamto: Kashi vishesh, Kashi aman, kasha abhiman (hybrid), Kashi amrit
2	Brinjal: Kashi sandesh (round), Kashi taru (long)
3	Cauliflower: Pusasharad,, Pant shubhra, Pant gobhi-2
	Cabbage: Pusaageti, Pusamukta, Golden ekr
4	Chilli: Kashi surkh, Kashi early, Kashi anmol, Arkameghna, Arkasweta
5	Papaya: Pusananha, Surya, CO-71

Budget Requirement For:-

- **ATIC for KVK**
- **Plant health clinic**
- **Hi-tech IT LAB, 15 lakh for Online Meeting and workshop in video conferencing mode**
- **Metrological observatory**
- **Seed godown**
- **H. Sc. Lab**
- **Dairy unit**
- **Library**
- **Farm waste machine**
- **Storage bin**
- **Generator**
- **Multimedia projector, Digital camera etc**

(Sandip Kumar Singh)
Senior Scientist cum Head