## ANNUAL REPORT OF KVK BAGHPAT

**Period of Report: January to December 2024** 

## **APR SUMMARY**

(Note: While preparing summary, please don't add or delete any row or columns)

#### 1. Training Programmes

Clientele	No. of Courses	o. of Courses Male		Total participants	
Farmers & farm women	77	1178	384	1562	
Rural youths	05	82	2	84	
Extension functionaries	23	261	272	536	
Sponsored Training	-	-	-	-	
Vocational Training	-	-	-	-	
Total	105	1521	658	2182	

#### 2. Frontline demonstrations

Enterprise	No. of Farmers	Area (ha)	Units/Animals
Oilseeds	348	136	-
Pulses	19	41	-
Cereals	110	30.8	
Vegetables	-	-	
Other crops	10	4.0	
Hybrid crops			
Total	487	211.80	
Livestock & Fisheries			
Other enterprises			
Total	487	211.80	
Grand Total	487	211.80	

## 3. Technology Assessment

Category	No. of Technology Assessed	No. of Trials	No. of Farmers
Crops	10	60	58
Livestock			
Various enterprises			
Total	10	60	58
Grand Total	10	60	58

## 4. Extension Programmes

Category	No. of Programmes	Total Participants
Extension activities	870	15840
Other extension activities	08	243
Total	878	16083

#### 5. Mobile Advisory Services

		Type of Messages						
Name of KVK	Message Type	Crop	Livestock	Weather	Marketing	Awareness	Other enterprise	Total
	Text only	394	08	127	09	42	14	594
	Voice only	127	0	5	0	36	47	215
	Voice & Text both	118	0	0	09	17	09	153
	Total Messages	639	8	132	18	95	70	962
	Total farmers Benefitted	8642	114	2756	47	1945	82	13586

## 6. Seed & Planting Material Production

	Quintal/Number Value Rs.		Distributed to No. of
			farmers
Seed (q)	380.25	1021757	
Planting material (No.)	6130	3070	22
Bio-Products (kg)	11.85	16150	85
Livestock Production (No.)	-	-	-
Fishery production (No.)	-	-	-

## 7. Soil, water & plant Analysis

Type of Samples	No. of samples analysed	No. of farmers	Realised Total Value Rs.
Soil	793	793	9330
Water	-	-	-
Plant	-	-	-
Manure	-	-	-
Others	-	-	-
Total	793	793	9330

## 8. HRD and Publications

Sr. No.	Category	Number	No. of participants
1	Workshops	02	
2	Conferences		
3	Meetings		
4	Trainings for KVK officials	05	
5	Visits of KVK officials	03	
6	Book published		-
7	Bulletins		
8	Newsletters		-
9	Training Manual/Tech. Report	04	-
10	Book chapters	14	-
11	Research papers	03	-
12	Lead papers		-
13	Seminar papers		-
14	Extension folder	05	-
15	Proceedings	05	-
16	Award & recognition	02	-
17	On going research projects	02	-

## 9. Achievements of Flagship Programmes:

Sr. No.	Name of Programme	Activities	Quantity/ Number	Period/ Area Covered (ha)	No. of Farmers benefitted	Revenue generated (Rs)
1	NICRA	FLDs	7	78	255	0
		Training Programmes	9	0	190	0
		Extension Activities	5	0	175	0
		Custom Hiring Centre	25	10	25	5000
		VC RMC	5	0	90	0

						4
2	ARYA	Training Programmes		_		
		No. of enterprises being promoted				
		No. of Entrepreneurial Units				
		established		-	-	
3	IFS (on farmers field)	IFS Units established			-	
		Demonstrations done				
		Training Programmes				
4	TSP/KSHAMTA	FLDs				
		Training Programmes				
		OFT				
		Mobile Agro Advisories		-		
		Extension Activities		_		
		Seed Production (a)				
		Planting Material Prod				
		Livestock Production		_		
		Eingerlings Production				
		Soil Testing				
		Soli Testing		-	1	
~	a cap					
3	SCSP	FLDs				
		Training Programmes				
		OFT				
		Mobile Agro Advisories				
		Extension Activities				
		Seed Production (q)				
		Planting Material Prod				
		Livestock Production				
		Fingerlings Production				
		Soil Testing				
		Awareness programme				
6	CRM	(IEC activities)		-		
		Training programmes		-		
		Demonstrations				
		Kisan melas		_		
		Other activities (nosters, hanners				
		paintings etc)		_	_	
		Publicity material leaflate/			_	
		normality material leanets/				
		A worspace through TV & Dadia		-	_ 	
		Awareness urrough 1 v & Kadio		-	-	
		Exposure visit		-		
		Field days		-		
		Advertisement published in Print				
		media		_	-	
7	DAMU	Agro. Advisory services		-	-	
		Awareness camp				
		Training programmes				
		Bulletins Published				
		Articles Published				
		WhatsApp messages sent				
		Field visits conducted				
8	Pulses Seed Hub	Green gram (a)				
-			:	:	:	

						5
		Black gram (q)				
		Chickpea (q)				
		Field pea (a)	-			
		I entil (a)	-			
		Pigeonpea (g)	-			
		Tigeolipea (q)				
9	ASCI	Name of Training programmes (200 hour duration) & period when conducted				
		1.				
		2.				
		3.	-			
10	Aspirational Districts Scheme	Training programmes for farmers		-		
		Training programmes for Staff		-		
11	NARI	Training Programmes	12	-	135	
		Extension Activities	16	_	260	
		Nutritional Garden units				
		established	70	07	70	
		Bio-fortified crops demonstrated	93	-	03	
		Value addition	10		175	
		Work on Hunger Free Villages	10 05 Tra		100	
		initiated	NG		15	
12	Natural farming	Training programmes				
12		No. of awaranass		-		
				-		
		Demonstrations at farm				
		No. of farmers visited				
		demonstration plots				
	*****					
13	CSISA project	Wheat sowing by zero-tillage				
		DSR/machine transplanter of paddy				
		Paddy sowing time	-			
		Wheat sowing time	-			
		wheat sowing time				
14	MGMG	Groups or toom formed				
14		Scientists involved				
		Village's servered				
		Field esticities conducted				
	****	Field activities conducted				
		Nessages / Advisory sent				
	Deiners ( II (					
17	Kainwater Harvesting	Structure established at				
10	Structures	Tarmers fields				
		Demonstrations conducted				
		Training Programmes organised		-		l I
		Visits of farmers to such sites				
		Visits of officials to such sites				
17	Swachha Bharat Abhiyaan	Programmes organised	40		1390	
18	Agri Drone	No. of Drones purchased		-		

						6
		Demonstrations conducted				
19	CFLD	CFLD on Pulses	02	19	41	-
		CFLD on Oilseeds	02	114	285	-

## 10. Status of Revolving fund (As on 31<sup>st</sup> December, 2024):

- Last status (as on 31<sup>st</sup> December, 2023) : Rs. 910429.61
   Current status (as on 31<sup>st</sup> December, 2024) : Rs 1642,559.61

## ANNUAL PROGRESS REPORT (January to December, 2024)

## 1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Tele	phone	E mail	Website
	Office	Fax		
KrishiVigyan Kendra, Khekra, NH	-	-	kvkbaghpat2@gmail.com	http://baghpat.kvk4.in
709B (Behind New Tehsil) Baghpat – 250101				

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

Address	Telep	hone	E mail	Website
	Office	Fax		
SardarVallabhbhai Patel University of	0121-	0121-	vc2016svpuat@gmail.com,	www.svbpmeerut.ac.in
Agriculture & Technology, Meerut- 250 110 (U.P.)	288522	288505,	dir.ext@svpuat.edu.in	
		288540		

## **1.3.** Name of the Programme Coordinator with phone & mobile no.

:

Norma		Telephone / Contact					
name	Office	Mobile	Email				
Dr. Laxmikant	-	9411215276	laxmikantkvk@gmail.com				

#### 1.4. Year of sanction

## 2004

1.5. Staff Position (as on 31<sup>st</sup> December, 2024)

Sl. No.	Sanctioned post	Name of the incumbent	Design- ation	Subject	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Pay sacle fixed as on 1.1.2026	Category (SC/ST/ OBC/ Others)	Mobile no.	Age	Email id
1	Programme Coordinator	Dr. Laxmikant	Prof. & Head	Plant Pathology	37400- 67000 GP- 10000	211800	26.04.1995	L-14	SC	9411215276	58	Laxmikantkvk @gmail.com
2	Subject Matter Specialist	Mrs. Anita Yadav	SMS/Asstt. Professor	Home Science	37400- 67000 GP- 9000	187300	29.07.1995	L-13	OBC	7599089053	56	anitay1517 @ gmail.com
3	Subject Matter Specialist	Dr. Anant Kumar	SMS/Asstt. Professor	Horticulture	15600- 39100 GP- 8000	107200	23.06.2008	L-12	SC	9837559055	49	dr.anantkumar1 @gmail.com
4	Subject Matter	Dr. Vikas	SMS/Asstt.	Plant	15600-	110400	26.12.2008	L-12	OBC	9411448594	44	dr.vikassvpuat

	Specialist	Kumar	Professor	Breeding	39100 GP- 8000							@gmail.com
5	Subject Matter Specialist	Dr. Shivam Singh	SMS/T6	Plant Protection	15600- 39100 GP- 5400	59500	01.07.2022	L-10	Gen	7054013030	34	shivam @svpuat.edu.in
6	Subject Matter Specialist	Er. Gaurav Sharma	SMS/T6	Ag. Engineering	15600- 39100 GP- 5400	59500	08.07.2007	L-10	Gen	6260846434	28	gaurav.swce @gmail.com
7	Subject Matter Specialist	-	-	-	-	-	-	-	-	-	-	-
8	Programme Assistant	Dr. Ravindra Kumar	Prog. Assistant/ F.M.	Soil Science	9300- 34800 GP- 4800	62200	08.08.2007	L-08	OBC	8923482015	49	malikrk007 @gmail.com
9	Computer Programmer	Sh. Zayeem Khan	Prog. Asstt	Computer	9300- 34800 GP- 4800	62200	30.07.2007		Gen	8126504311	43	zksvpu@yahoo.com
10	Farm Manager											
11	Accountant / Superintendent	Sh. Sanjeev Chandel	Accountant	Accountancy	9300- 34800 GP- 4800	74300	31.12.2035	L-08	Gen	9410860477	49	sanjeevchandel2012 @gmail.com
12	Stenographer	Sh. Praveen Kumar Premi	Steno	-	5200- 20200 GP- 2800	44100	26.12.2008	L-05	SC	9718476096	49	pkpremi1975 @gmail.com
13	Driver	-	-	-	-	-	-	-	-	-	-	-
14	Driver	-	-	-	-	-	-	-	-	-	-	-
15	Supporting staff	Sh. S. C. Sharma	Watchman	-	5200- 20200 GP- 2400	41000	01.07.1998	L-04	Gen	8909924054	49	Kvksalek @gmail.com
16	Supporting staff	-	-	-	-	-	-	-	-	-	-	-

## **1.6.** Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1.	Under Buildings	3.042
2.	Under Demonstration Units	0.60
3.	Under Crops	6.6
4.	Orchard/Agro-forestry	1.4
5.	Others (specify) High Tech Nursery	1.0
	Total	12.642

## **1.7.** Infrastructural Development:

## 1.7.1. (A). Buildings

		Sour	ce of			Stag	je		
G	Name of	fun	ding		Complet	e	Incomplete		
No.	building	ICAR	RKVY	Completion Year	Plinth area (Sq.m)	Expenditure (Rs.)	Starting year	Plinth area (Sq.m)	Status of construction
1.	Administrative	ICAR		-	510	43.65	-	-	-
	Building								
2.	Farmers	ICAR		-	300	22.92	-	-	-
	Hostel								
3.	Staff Quarters	ICAR		-	400	26.72	-	-	-
	(6)								
4.	Demonstration	ICAR		-	160	11.06	-	-	-
	Units (2)								
5.	Fencing	ICAR		-	2000	38.43	-	-	-
					RM				
6.	Rain Water	ICAR		-	1000RM	8.26	-	-	-
	harvesting								
	system								

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7.	Threshing floor	ICAR	-	300	2.34	-	-	-
8.	Farm godown	ICAR	-	60	3.63	-	-	-

## 1.7.2. (B). Vehicles

Type of vehicle	Year of purchase	Source (ICAR/RKVY)	Cost (Rs.)	Total kms. run as on Sep, 2024	Present status
Motor Cycle	2006	ICAR	46575.00	107947	Not Good
Motor Cycle	2024	ICAR	98200.00	3058	Good

## 1.7.3. (C). Equipment& AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Tractor Sonalika	2005	3,44,500.00	Not Good
12 Disc Harrow	2005	20275.00	Not Good
Cultivator	2005	12265.00	Not Good
Leveler	2006	5080.00	Not Good
Two tier tractor trolley	2006	65106.00	Not Good
LCD Projector	2007	5700.00	Not Good

## **1.8.** Details of SAC meetings to be conducted in the year

S.No.	Date
Scientific Advisory Committee	26.11.2024

### 2. DETAILS OF MICRO-FARMING SITUATIONS OF THE DISTRICT

#### 2.1. Major farming systems/enterprises (based on the PRA done by the KVK)

S. No.	Farming system/enterprise
1.	Agriculture + Animal Husbandry
2.	Agriculture + Animal Husbandry + Horticulture

#### 2.2. Description of Agro-climatic Zone & major agro ecological situations (based on soil and topography)

S. No	Agro-climatic Zone	Agro-ecological situations based on soil & topography	Characteristics
1.	North Western Plain Zone	(AES-I & AES-II)	Sub humid to Subtropical climate, maximum and minimum temperature 44.2°C and 03°C, respectively with average rainfall is about 512.69 mm in last 11 year

## 2.2. (a).Soil type

S. No.	Soil type	Characteristics	Area (ha)
		The soil had enough clay to store adequate amount of water and plant	110065
	Sandy loam to	nutrients for optimum plant growth, containing enough sand, silt and	
1.	loam with	clay. Clay content is not much as to cause poor aeration or to make	1
	normal pH	working difficult. A soil containing 7 to 27% clay and approximately	l
		equal amount of silt and sand has been designated as loam textured soil.	

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#### 2.3. Area, Production and Productivity of major crops cultivated in the district (2023):

S. No	Crop	Area	Production	Productivity	Yield gap (q/ha)	Yield gap (q/ha)
		('000 ha)	(MT.)	(Qt./ha)	with respect to	with respect to
					demo	potential yield
1.	Sugarcane	74.227	866.40	866.40	-	-
2.	Jawar (grain)	0.011	0.012	10.91	-	-
3.	Bajra	0.595	1.062	17.85	-	-
4.	Maize	0.009	0.023	25.56	-	-
5.	Urd	0.52	0.584	11.23	-	-
6.	Arhar	0.464	0.336	7.24	-	-
7.	Rice	4.847	13.998	28.88	-	-
8.	Wheat	55.427	253.468	45.73	-	-
9.	Barley	0.038	0.149	39.21	-	-
10.	Mustard	2.716	3.715	13.66	-	-
11.	Gram	0.311	0.013	11.82	-	-
12.	Massor	0.052	0.053	10.14	-	-
13.	Pea	0.013	0.020	15.56	-	-

Source: District agriculture department.

#### 2.4. Weather data (2023-24):

Year	Manth	Dainfall (mm)	Tempe	rature <sup>0</sup> C	<b>Relative Humidity (%)</b>	
	Wionun	Kannan (mm)	Maximum	Minimum	Maximum	Minimum
	January	12.50	18.6	6.7	100	56.4
	February	0.00	27.3	11.0	98.6	33.4
	March	82.00	29.9	15.5	96.6	35.6
	April	2.5	35.8	18.4	79.9	18.9
	May	48.0	36.8	22.2	84.1	30.1
2022	June	159.0	37.1	25.7	89.6	41.6
2023	July	273.5	34.2	26.6	100	68.9
	August	73.0	35.6	26.7	97.7	56
	September	104.0	35.3	25.0	83.2	14.6
	October	134.72	29.24	25.83	91.31	69.12
	November	14.35	27.98	22.07	77.94	51.5
	December	4.59	20.93	18.67	64.19	45.06
	January	0	21.51	6.71	61	61
	February	0.07	17.94	9.66	74.5	43.38
	March	27.33	19.33	13.48	78.19	31.69
	April	21.95	22.04	22	74.88	24.88
	May	4.36	33.04	26.91	37.62	16
2024	June	0.69	38.36	32.01	30.44	8.81
2024	July	66.49	34.05	35.33	67.69	14.5
	August	491.81	0	28.78	90.5	0
	September	236.67	29.57	26.98	92.75	79.69
	October	00	31.22	19.34	82.70	54.46
	November	00	27.96	14.43	77.26	44.38
	December	69.00	22.89	9.79	91.85	23.88
Average		83.69	27.83	21.25	79.55	38.15

#### 2.5. Production and productivity of livestock, Poultry, Fisheries etc. in the district (2023):

Category	Population	Production Productivity		Productivity gap
Cattle				-
Crossbred	83834	150486 lit/day	10.5 lit/day	-
Indigenous	39492	139997 lit/day	6.5 lit/day	-
Buffalo	139763	838578 lit/day	6.0 lit/day	-
Sheep	-	-	-	-
Crossbred	3782	-	-	-
Indigenous	2924	-	-	-
Goats	16948	-	-	-
Cattle	-	-	-	-

C				
Crossbred	-	-	-	-
Indigenous	-	-	-	-
Pigs	-	-	-	-
Crossbred	442	-	-	-
Indigenous	3138	-	-	-
		Poultry		
Hens	-	-	-	-
Desi	39596	-	-	-
Category		Production (q)	Productivity	
Fish (Reservoir)				
* 0 1				

\*Statistical report

## 2.6. Details of Operational area / Villages

S.N.	Taluk	Name of the block	No. of village	Major crops & enterprises	Major problem identified	Identified Thrust Areas	
1.	Khekra	Khekra	44	Dairy, sugarcane, paddy, wheat. mustard, moong, arhar, poultry & vegetables	<ol> <li>White grub attack in Sugarcane.</li> <li>Red rot disease in sugarcane.</li> <li>Less net return in</li> </ol>	<ul> <li>a. Management of pests and diseases in sugarcane.</li> <li>b. Intercropping with sugarcane.</li> </ul>	
2	Paghpat	Baghpat	47	Dairy Sugarcane, paddy, wheat, fodder & vegetables	<ul><li>sugarcane based cropping system.</li><li>4. Late sowing of sugarcane due to wheat-</li></ul>	<ul><li>c. Increase milk production in Buffalos.</li><li>d. Balance use of</li></ul>	
2. Baghpat	Бадпра	Pilana	49	Dairy Sugarcane, paddy, wheat, mustard, moong, arhar& poultry	<ul><li>sugarcane system.</li><li>5. Deficiency of minor elements and organic matter in soil.</li></ul>	<ul><li>fertilizer in sugarcane.</li><li>e. Balance use of fertilizer in wheat.</li><li>f. Weed management in</li></ul>	
		Baraut	50	Dairy, Sugarcane, wheat, fodder & vegetables crop	<ol> <li>Excessive depletion of ground water.</li> <li>Low production in old</li> </ol>	wheat. g. Creating awareness about human nutrition	
		Chhaprauli	26	Dairy, sugarcane, wheat. Fodder & vegetable crops	<ul> <li>8. Excessive insects attack in vegetables.</li> <li>9. Low production in late</li> </ul>	/nutritional needs to mitigate the problems of nutritional deficiency in rural	
3.	Baraut	Binauli	65		<ol> <li>Excessive insects attack in vegetables.</li> <li>Low production in late sown wheat.</li> <li>Extensive weed infestation.</li> <li>Low production of milk health in cow &amp; buffalo.</li> <li>Long dry period in milch animals</li> <li>Undeveloped marketing system of Agriculture of produces</li> <li>Infertility in buffalo and cow</li> <li>Poor health of animal</li> </ol>	<ul> <li>woman &amp; children.</li> <li>h. Management of mango orchards.</li> <li>i. Increase productivity of wheat in late sown conditions.</li> <li>j. Pest and weed management in paddy</li> <li>k. Maintenance of soil</li> <li>l. Disease management in okra.</li> <li>m. Promotion of oilseed and pulse crops.</li> <li>n. Balance diet with mineral mixture and vaccination to animals.</li> <li>o. Renovation of old orchards.</li> </ul>	

## 2.7. Top five major priority thrusts area:

S. No.	Crop/Enterprise	Thrust area
1.	Wheat	Varietal evaluation
		Weed management.
		Integrated pest and disease management
		Integrated nutrient management

2.	Sugarcane	Varietal evaluation
		Integrated nutrient management
		Integrated pest and disease management
3.	Paddy	Varietal evaluation
		Integrated pest and disease management
4.	Oilseed and Pulses	Integrated nutrient management
		Integrated pest management
5.	Vegetables	Integrated diseasemanagement
6.	Nutrition garden	Creating awareness about human nutrition (nutritional needs to mitigate the
		problems of nutritional deficiency in rural woman)
7.	Soil	Soil moisture conservation
8.	Millets	Demonstrations

## **<u>3. TECHNICAL ACHIEVEMENTS</u>**

## **<u>3. TECHNICAL ACHIEVEMENTS</u>**

## 3.A. Details of target and achievements of mandatory activities by KVK during Jan 2024 to December 2024

OFT (Technology Assessment)				FLD (Oilseeds, Pulses, Cotton, Other Crops/Enterprises)			
1						2	
Number of OFTs Total no. of Trials			Area in ha Number of Farmer			er of Farmers	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
12	10	60	60	200	177	200	367

Training <mark>(including sponsored, vocational and other trainings carried under Rainwater Harvesting Unit)</mark>						Extension Activities			
		3					4		
Number of Courses			Number of Participants		Number of		Number of		
					activ	ities	participants		
<mark>Clientele</mark>	Targets	Achievement	Targets	Achievemen	Targets	Achieve	Targets	Achieve	
				t		ment		ment	
<b>Farmers</b>	75	77	1500	1562	400	878	4000	16083	
Rural youth	05	05	50	84					
Extn.	20	23	300	1536					
<b>Functionaries</b>									
	100	105	1850	2182					

	Seed Production (	(Qtl.)	Planting material (Nos.)			
	5		6			
Target	Achievement	Distributed to no. of farmers	Target	Achievement	Distributed to no. of farmers	
200	380.25	-	20000	6130	22	

## I.A TECHNOLOGY ASSESSMENT

## i. Summary of technologies assessed under various crops by KVK:

Thematic areas	Сгор	Name of the technology assessed	No. of trials	No. of farmers
	Wheat	05	05	
Varietal Evaluation	Turmeric	Intercropping with mango	05	05
	Paddy	Assessment of latest variety of paddy (PB 1847).	05	05
		Management of white grub in sugarcane.	05	05
Integrated Pest and Disease Management	Sugarcane	Evaluation of IPM module for the management of top borer in sugarcane	05	05
Discuse Manugement	Potato	Evaluation of fungicide against late blight disease in potato	10	10
Farm Machineries	Sugarcane	Deep ploughing before plantation of sugarcane using Reversible M.B. Plough during spring season	05	05
	56	56		

ii. Summary of technologies assessed under various enterprises by KVKs: NIL

## I.B. TECHNOLOGY ASSESSMENT IN DETAIL

## I. TECHNOLOGY ASSESSMENT IN DETAIL

## a. VARIETAL EVALUATION

#### (Rabi 2023-24)

Problem definition: Low yield of existing variety

Technology Assessed (as the case may be): Varietal evaluation of late sown wheat for yellow rust

Technology Option	No. of trials	Area (ha.)	Parameter recorded (No. of tillers/plant)	Yield (q/ha)	Increase in yield (%)	Cost of cultivation (Rs)	Gross returns (Rs)	Net returns (Rs)	CB ratio (Rs)
<b>T<sub>1</sub>:</b> PBW 373 (Farmers Practice)	12	2.40	6.40	41.9	-	40390.00	89037.00	48647.00	1:2.20
<b>T</b> <sub>2</sub> :DBW 173			7.90	47.3	12.88	42560.00	100512.00	57952.00	1:2.36

(Sale Price: Rs. 2125/q)





(Zaid - 2024)

**Problem definition:** Low yield of sugarcane, Overuse of inputs (irrigation and fertilizers) in Sugarcane **Technology Assessed (as the case may be):** Use balanced fertilizer as per soil testing value and irrigate on the basis of soil moisture indicator

Technology Option	No. of trials	Area (ha.)	Parameter recorded	Yield (q/ha)	Increase in yield (%)	Cost of cultivation (Rs)	Gross returns (Rs)	Net returns (Rs)	CB ratio (Rs)
T1: Farmer's practice (flood irrigation + 400K urea + 130 kg DAP +0 kg potash per kg) T2 : Use balanced fertilizer as per soil testing value (150 N, 80 P, 60 K) and irrigate on the basis of soil moisture indicator	5	2.00			RESU	JLT AWA	AITED		

## **Initial Observations:**

Observations	Germination	No. of	Height (m)	Pest build	No. of	No. of irrigation	Fertilizer
	percent	tillers/10m2	of cane with	up	weed/m2	till date	used
			green top			(31.10.2024)	(N:P:K)
Demo.	73%	185	2.8	6.3	5	5	150:80:60
Control	69%	125	2.5	17.4	17	8	190:60:0



(Rabi 2023-24)

## Problem definition: Low yield of mango

Technology Assessed (as the case may be): Intercropping of turmeric with mango

Technology Option	No. of trials	Area (ha.)	Parameter recorded (No. of Rhizomes/plant)	Yield (q/ha)	Increase in yield (%)	Cost of cultivation (Rs)	Gross returns (Rs)	Net returns (Rs)	CB ratio (Rs)
<b>T<sub>1</sub>:</b> Sole crop (Mango)			-	303.00		52500.00	454500.00	402000.00	1:8.66
T <sub>2</sub> : Mango (Dasehari)& Turmeric (Roma)	05	0.25	7.00	248.00	_	32000.00	396800.00	766800.00	1:10.07

(Sale Price: Mango= Rs. 1500/q and Turmeric= Rs. 1600/q)





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#### Kharif- 2024

Increase in yield (%) **Parameter recorded Technology Option** Cost of cultivation No. of trials Yield (q/ha) **Gross returns** Area (ha.) Net returns **CB** ratio (Rs) (Rs) (Rs)  $(\mathbf{Rs})$ Farmers practice-No T1 pruning + Application of 2 kg 05 DAP in the month of October **RESULT AWAITED** 05 plant/location  $T_2$ : Centre opening + COC -2kg + FYM, N, P, K, B, Zn and = 25 plants CuSO<sub>4</sub> @ 50kg, 1000,750,750, 250, 250 and 250 gm/tree/year

Critical Input	COC, Boron, Zinc and CuSO4	
Observation to be recorded	<ul> <li>Days to flowering after pruning</li> <li>Days to fruit set after pruning</li> <li>Size of fruit</li> <li>Fruit yield</li> <li>Percent of disease incidence and insect infestation</li> </ul>	RESULT AWAITED



**Problem definition:** Low productivity of mango varieties Dashaheri and Langra due to highly dense mango orchards. **Technology assessed or refined:** Canopy management of mid-age mango orchards (>25years) though centre opening.

### VARIETAL EVALUATION

#### (Rabi 2024-25)

#### Problem definition: Low yield of existing variety

**Technology Assessed (as the case may be):** Varietal evaluation in late sown condition HD-3298 with Soil testing based balanced fertilizers.

Technology Option	No. of trials	Area (ha.)	Parameter recorded (No. of tillers/plant)	Yield (q/ha)	Increase in yield (%)	Cost of cultivation (Rs)	Gross returns (Rs)	Net returns (Rs)	CB ratio (Rs)
$T_1$ : DBW 173 (Farmers Practice) $T_2$ :HD 3298	06	0.60			R	Result Awaite	ed		

#### b. INTEGRATED PEST & DISEASE MANAGEMENT

#### (Zaid 2023)

Problem definition: Low yield due to heavy infestation of white grub in sugarcane

**Technology assessed or refined (as the case may be):** Chemical management (Fipronil 40% + Imidacloprid 40% WG) of white grub in sugarcane.

KVK, Baghpat has conducted an on-farm trial on insecticide evaluation to control white grub in sugarcane to check the efficacy of new insecticide Fipronil 40% + Imidacloprid 40% WG.

**Table:** Effect of insecticide (Fipronil 40% + Imidacloprid 40% WG) on white grub populations and per cent plant damage in sugarcane:

			Pa	rameter	s record	ed						
Technology Option	No. of trials	Area (ha.)	No. of Grubs per 10 m <sup>2</sup> (14 DAA*)	Deduction (%)	Per cent damaged Plants per 10 m <sup>2</sup> (14 DAA*)	Deduction (%)	Yield (q/ha)	Increase in yield (%)	Cost of cultivation (Rs/ha.)	Gross returns (Rs/ha.)	Net returns (Rs/ha.)	B:C ratio (Rs)
T <sub>1</sub> : Farmers Practice (Spray of Phorate 10 G @ 5 kg/acre)			5.50	48.11	10.89	50.00	887.50	-	115000	328375	213375	1:2.85
$T_2$ :Drenching of Fipronil $40\% +$ Imidacloprid $40\%$ WG @ $200$ g/acre at the time of sowing	05	2	1.30	87.42	3.85	80.68	964.58	8.68	118750	356894.60	238144.60	1:3.00

(Sale Price: Rs. 370/q) (\*DAA- Days after application)





## (Rabi 2023-24)

Problem definition: Yield loss due to heavy infection of late blight disease in potato.

Technology Assessed (as the case may be): Evaluation of fungicide against late blight disease in potato.

**Table:** Effect of fungicide (Azoxystrobin 11% + Tebuconazole 18.3% SC) against late blight disease in potato:

Technology Option	No. of trials	Area (ha.)	Per cent Disease Index (14 DAS*)	Deduction (%)	Yield (q/ha)	Increase in yield (%)	Cost of cultivation (Rs/ha.)	Gross returns (Rs/ha.)	Net returns (Rs/ha.)	B:C ratio
T <sub>1</sub> : Farmers Practice (Spray of Metalaxyl 8% + Mancozeb 64% @ 500 gm/acre)	10	4.0	6.87	77.56	312.50	-	150000.00	500000.00	350000.00	1:3.34
T <sub>2</sub> :Spray of Azoxystrobin 11% + Tebuconazole 18.3% SC @ 300ml /acre	10	4.0	1.68	94.28	380.00	21.60	156250.00	608000.00	451750.00	1:3.89

(Average Sale Price: Rs. 1600/q) (\*DAS- Days after spray)







#### (Zaid- 2024)

Problem definition: Yield loss due to heavy infestation of top borer in sugarcane

Technology assessed or refined (as the case may be): Assessment of IPM module for the management of top borer in sugarcane.

KVK, Baghpat has conducted an on-farm trial on assessment of IPM module for the management of top borer in sugarcane.

Table: Assessment of IPM module for the management of top borer in sugarcane:

Technology Option	No. of trials	Area (ha.)	Parameter recorded	Deduction (%)	Yield (q/ha)	Increase in yield (%)	Cost of cultivation (Rs/ha.)	Gross returns (Rs/ha.)	Net returns (Rs/ha)	B:C ratio
$T_1$ : Farmerspractice- Furadan3G @ 30 kg/haandChlorantraniliprole18.5 SC @375ml/ha $T_2$ :Seed					L					
treatment: Chlorpyriphos 20 EC @ 40ml and Carbendazim @ 50g/10lit water										
Soil application:										
@22.5 kg/ha at										
planting and drenching of Chlorantraniliprol e 18.5 SC @375 ml/ha in 700 lit. of water at 60 DAP	05	0.4			RI	ESULT AV	WAITED			
Installation of Trichocard @7.5 card/ha(@50000 parasitoid/ha) at 45, 60, 75, 150 and 180 DAP										
Pheromone traps @ 27/ha at 45 DAP (lure change at an interval of 45 days)										

Initial Observations:

Technology option	No. of trails	Germination (%)	No. of tillers / 10 m2	Height (m) of healthy cane	Height of infested cane	Cane girth (cm) of Healthy cane	Cane girth (cm) of infested cane	Infestatio n of top borer	Infestation of shoot borer
T <sub>1</sub>	05	47.89	140.76	2.34	1.48	RES	ULT	13.75	14.54
T <sub>2</sub>	05	51.34	161.78	2.67	1.59	AWA	ITED	4.34	6.67



#### c. FARM MACHINERIES

## (Zaid 2023)

Problem definition: Low sugarcane productivity and low water use efficiency due to no performing of deep ploughing

Technology Assessed (as the case may be): Effects of deep plo	ughing in Sugarcane using Reversible M.B. Plough
<b>Table:</b> Effect of deep ploughing in terms of gain in production	:

Technology Option	No. of trials	Area (ha.)	Parameter recorded (water use efficiency)	Yield (q/ha)	Increase in yield (%)	Cost of cultivation (Rs/ha.)	Gross returns (Rs/ha.)	Net returns (Rs/ha.)	B:C ratio (Rs)
<b>T<sub>1</sub>:</b> Farmers Practice (Planting of sugarcane after ploughing by harrow)	05	2.0	64.90	875.00	-	122500.00	323750.00	201250.00	1:2.64
T <sub>2</sub> : Planting of sugarcane after ploughing by Reversible M.B. Plough			68.14	918.75	5.00	123500.00	339937.50	216437.50	1:2.75





## FIT-FAT-FET

Problem definition: Low yield and heavy infestation of red rot in existing sugarcane variety.

Technology Assessed: Evaluation of disease resistant sugarcane variety.

Technology Option	No. of trials	Area (ha.)	Param eter record ed	Yie ld (q/ ha)	Incr ease in yield (%)	Cost of cultiv ation (Rs/ha)	Gross returns (Rs/ha)	Net returns (Rs/ha.)	BC ratio (Rs)			
T1: Farmer's practice (Variety- Co- 0238)T2: Introduction of disease resistant	02	0.4	RESULT AWAITED									
variety (Co-15023, CoLk-14201, CoSa- 13235, Co-0118, Co-98014, CoSa- 17231)												

Initial Observation:

Sugarcane variety	Co-15023	CoLk- 14201	CoSa- 13235	Co- 0118	Co- 98014	CoSa-17231	Co- 0238
Germination (%)	68%	69%	64%	62%	63%	67%	66%
No. of tiller/10 m2	166.5	179.6	173.8	160.5	158.3	169.2	165.3
Height (m) of cane with green top	2.93	2.15	2.83	2.7	3.10	2.78	2.65
Infestation of top borer	7.35	3.15	4.73	5.67	3.79	4.79	14.01
Infestation of pokkaboeing	7.90	1.23	1.23	3.75	4.75	2.95	11.72



**II. FRONTLINE DEMONSTRATION** 

a. Follow-up for results of FLDs implemented during previous years

recom	menueu for farg	ge scale adoption	In the district				
S. N o	Crop/ Enterpris e	Thematic Area*	Technology demonstrate d	Details of popularization methods suggested to the Extension system	Horizo te	ontal spread o chnology	of
					No. of	No. of	Are
					village	farmer	a in
					S	S	ha
01			Introduction of	Training and	20	198	115
		Varietal	new high	Demonstratio			
	Wheat	Demonstratio	yielding	n			
		n	variety- DBW-				
			303				
02		Varietal	Introduction of	Training and	12	97	74
	Paddy	Demonstratio	new high	Demonstratio			
		n	yielding variety	n			
03			Integrated weed	Training and	09	44	22
	Sugarcane	IWM	management in	Demonstratio			
			sugarcane	n			
04			Introduction of	Training and	15	98	57
		Varietal	new high	Demonstratio			
	Wheat	Demonstratio	vielding	n			
		n	variety- DBW-				
			222				

List	of	technologies	demonstrated	during	previous	year	and	popularized	during	2024-25	and				
recor	ecommended for large scale adoption in the district														

\* Thematic areas as given in Table 3.1 (A1 and A2)

b. Details of FLDs implemented during Jan 2023 to December 2024

(Information is to be furnished in the following three tables for each category i.e. cereals, horticultural crops, oilseeds, pulses, cotton and commercial crops.)

S. No	Сгор	Thematic area	Technology Demonstrated	Season and year	Area	(ha)		No. of farm lemonstrat	ers/ tion	Reaso ns for shortf all
					Proposed	Actua	I SC/	Others	Total	
OIL	SEED- CFL	D								
1.	Mustard	Varietal evaluation	Improved variety RH-749	Rabi 2023-24	30	24	04	56	60	-
2.	Mustard	Varietal evaluation	Improved variety RH-761	Rabi 2024-25	90	90	23	202	225	-
FLD						-				
1.	Mustard	IPM	Biological control of Aphid	Rabi 2023-24	12	12	02	28	30	-
2.	Mustard	Varietal evaluation	Improved variety RH-749	Rabi 2023- 24	10	10	05	28	33	-
PUL	SES- CFLD				·		· · · · · ·			

										23
1.	Lentil	Varietal evaluation	Improved variety Shekhar-4 (KLB-345)	Rabi 2023-24	15	10	02	23	25	_
2.	Black gram	Varietal evaluation	Improved variety IPU 11- 02	Zaid, 2024	10	09	0	16	16	-
CEF	REALS									
1.	Wheat	Mechanization	Line sowing of wheat using Multi-purpose seed drill machine (DBW-303)	Rabi 2023- 24	8	8	0	50	50	-
2.	Wheat	Mechanization	Line sowing of wheat using Super seeder machine	Rabi 2024- 25	4	4	0	10	10	-
3.	Wheat	Varietal Demonstration	Introduction of new high yielding variety- DBW- 303	Rabi 2023- 24	6.80	6.80	0	17	17	-
4.	Paddy	IPM	Control of stem borer	Kharif- 2024	04	04	0	10	10	-
5.	Paddy	Varietal Demonstration	Introduction of new high yielding variety	Kharif- 2024	04	04	0	12	12	-
6	Sugarcane	IWM	Integrated weed management in sugarcane	Zaid- 2024	04	04	0	10	10	
7	Wheat	Varietal Demonstration	Introduction of new high yielding variety- DBW- 222	Rabi 2024- 25	4.0	4.0	0	11	11	-
8	Wheat	IDM	Management of wheat rust through seed treatment and spray of fungicide	Rabi 2024- 25	04	04	0	10	10	-
	•	I	]	Horticultural	crops	1	I			1
9	Onion	Varietal evaluation	AFDR	Rabi 2023-24	1.2	1.2	02	12	14	-
10	Carrot	Varietal evaluation	Pusa Rudira	Rabi 2023-24	1.5	1.5	0	8	8	-
11	Potato	INM	Boron and humic acid	Rabi 2024-25	8.0	8.0	04	16	20	-
12.	Cauliflower	Balance fertilizer	Boron	Rabi 2024-25	8.0	8.0	02	18	20	-
13.	Tomato	IDM	Management of leaf curl disease	Rabi 2023-24	12	12	5	25	30	-
	1		 	Kitchen gard	lening					
14	Vegetables	Nutritional food security	Availability of season	Kharif 2024	0.01	0.01	02	08	10	-

											- ·
				vegetables							
1	5	Vegetables	Nutritional food security	Availability of season vegetables	Rabi 2024-25	0.02	0.02	0	20	20	-

## Details of farming situation

Crop	Season	Farming situation (RF/Irrigat ed)	Soil type	Sta	tus of s	oil	Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
		-		N	P	K					
Wheat	Rabi	Irrigated	Sandy	L	Μ	L	Paddy	Nov,	April	-	-
wheat	2023-24		Loam					23	24		
Doddy	Kharif	Irrigated	Sandy	L	Μ	L	Wheat	June,	Oct,	-	-
Fauty	24	C	Loam					24	24		
Sugarca	Zaid	Irrigated	Sandy	L	Μ	L	Mustard	Marc	-	-	-
ne	2024	C	Loam					h 24			
Wheet	Rabi	Irrigated	Sandy	L	Μ	L	Sugarcan	Dec,	-	-	-
wneat	2024-25	-	Loam				e	24			

Farmers reactions on the demonstrated technologies (by KVK Scientist who conducted the FLD)

Extension and Training activities under FLD

Sr. No.	Activity	No. of activities organized	Date	Number of participants	Remarks
1	Field days	03	January to September, 2024	68	-
2	Farmers Training	16	January to September, 2024	298	-
3	Media coverage	68	January to September, 2024	Mass	-
4	Training for extension functionaries	07	January to September, 2024	107	-

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#### i. Performance of Frontline demonstrations:

a. Frontline demonstrations on oilseed crops:

## **Performance of Frontline demonstrations**

#### Frontline demonstrations on oilseed crops

		pa			Parameters name	Res	sult of ma	ain para	meter			Yi	eld (q/ha)			E	conomics (F	of demonst (s./ha)*	ration		Econ	omics of ch (Rs./ha)	eck
Сгор	Variety	technology demonstrate	No. of Farmers	Area (ha)	(No. of branches, No of tillers, No. of pods or grains per plant, duration (days), No. of plants/sqmt.)	High	Demo pl	Average	Check plot	% Advantage	High	Den	Average	Check	% Increase in vield	Gross	Gross	Net Return	BCR** (R/C)	Gross	Gross	Net Return	BCR (R/C)
Mustard (Rabi	RH-749 (Check-	Evaluation of			No. of siliquae/plant	# 328.34	68.25	292.92	272.50	7.49	25.87	16.25	5 21.48	3 17.5	0 22.	74 3850	0 10954	8 7104	8 1:2.8	<b>4</b> 3750	0 8925	0 51750	1:2.38
2023- 24) CFLD	Pusa Bold)	improved variety RH-749	60	24	Plant height (cm) <sup>#</sup> @120 DAS <sup>##</sup>	215.56	211.65	213.93	209.80	01.97	7							-					
		Goo	ogle	Pali, Utt W67P+F Long 77. 03/02/2	ar Pradesh, India 34, Pali, Uttar Pradesh 2 15159 4 11:54 AM GMT +05:30	50609, India	OPS Ma	sp Camera	Cogle	Baghpa 266C+F Long 77 05/02/2	at, Uttar Prad XXX, Baghat, 0104119 2227403° 24 02:41 PM G	esh, India Uttar Prades MT +05:30	h 250619, India	GPS Map	Camera	Google	Sheikhpuri, Utt R9V4-MXV, Sh Lat 28.842451° Long 77.356168 14/02/24 11:55	ar Pradesh, Indi ikhpuri, Uttar Pr AM GMT +05:30	a a addesh 250101,	C GPS Ma	p Camera		
Mustard (Rabi 2023- 24) FLD	RH-749 (Check- Pusa Bold)	Biological control of Aphid	30	12	Aphid Populations/ Plant @ 10 DAA <sup>@@</sup>	4.64	3.67	4.19	32.46	87.09	25.00	15.89	19.79	16.25	17.89	38500	100929	62429	1:2.62	37500	82875	45375	1:2.21

			Goögle	Raw Var Lat Lon 14/(	van Urf Baragoan, Uttar F M+R2, Rawan Urf Baragoa 28.862411* 9 77.331824* 02/24 11:21 AM GMT +05:3	Pradesh, India n, Uttar Prade	esh 250101, Ir	3 Map Camer Idia	a Google	Pall, I Pall, I Lat 28 Long 03/02	Uttar Pradesh B.92555° 77246203° 1/24 12:20 PM	h, India II, Utar Prade GMT +05:30	4 250609, India	GPS Map	Camera	Net Ket Let Let Let Let Let Let Let Let Let L	thia, Uttar Prade t4+094, Tyagi San 28.991824* 19,77208865* 02/24 12:26 PM G	sh, India aj Rd, Netha, Utta	ar Pradesh 2506	GPS Map Camera 19, India			
Mustard (Rabi 2024- 25) CFLD	RH-761	Evaluation of improved variety	225	90									RE	SULTS A	AWAITE	ED							
Mustard (Rabi 2023- 24) FLD	RH-749 (Check- Pusa Bold)	Evaluation of improved variety RH-749	33	10	No. of pods	108	89	103	89	15.73	23.70	18.90	20.80	18.30	13.66	36980	124800	87820	1:3.37	35710	109800	74090	1:3.07

\*Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

\*\* BCR= GROSS RETURN/GROSS COST <sup>#</sup>Average of 5 samples (containing 5 plants), <sup>##</sup>DAS- Days after sowing, <sup>@@</sup>DAA- Days after application Farmers reactions on the demonstrated technologies (by KVK Scientist who conducted the FLD):

S. No	Feed Back for researchers	Feedback for line department
1.	• Improved variety of Mustard (RH-749) was procured from NSC,	To promote RH-749 variety of mustard in farmer community
	Meerut & provided to the farmers	
	• Height of the plants was very good (>6 fit) & average number of	
	siliqua (292.92 per plant) was recorded but pod/siliqua formation	
	was not started from lower end of the plant.	
	• Average production of crop, 21.48 q/ha was recorded& farmers	
	were satisfied.	
	Disease & pest infestation was very less.	

2	•	Average production of crop, 21.48 q/ha was recorded & farmers were highly satisfied. Number of branches/plant was good. Disease & pest infestation was very low.	To promote RH-749 variety of mustard in farmer community
3	•	Use of biological management practices i.e., use of yellow sticky traps and nee oil found effective against aphid. Aphid population got reduced after 2 sprays of neem oil and production was satisfactory.	To promote different biological management practices for aphids in mustard crop.

#### Technical feedback on specific technologies demonstrated in FLDs

S. No	Feed Back
1	Soil testing must be done before sowing the crop and proper agronomic practices must be followed for better production of the crops.
2	New improved varieties must be grown in place of old varieties (farmer practices), so that one can get better production.

## **b.** Frontline demonstration on pulse crops:

			S		Parameters name (No. of branches,	Resul	lt of ma	ain para	ameter			Yield	d (q/ha)		eld	Econ	omics of (Rs	demonst ./ha)	ration	]	Economics (Rs./l	of check na)	
Сгор	Variety	technology demonstrated	No. of Farmer	Area (ha)	No. of tillers, No. of pods or grains per plant, duration (days), No. of plants/sqmt.)	High	row pl	Average	Check plot	% Advantage	High	Demo	Average	Check	% Increase in yi	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Lentil (Rabi	Shekhar-4	Evaluation of improved	10	25	No. of pods/ plant <sup>#</sup>	76.34	35.89	47.20	37.87	24.64	18.75	8.75	13.54	9.35	30.94	47500	92072	44572	1:1.93	46000	63580	17580	1:1.38
2023-24) CFLD	345)	Shekhar-4 (KLB-345)	10	25	Plant height (cm) <sup>#</sup> (90 DAS <sup>##</sup> )	34.34	31.00	32.56	29.34	10.97								-					



\* Economics to be worked out based total cost of production per unit area and not on critical inputs alone. \*\* BCR= GROSS RETURN/GROSS COST, <sup>#</sup>Average of 5 samples (containing 5 plants), <sup>##</sup>DAS- Days after sowing Farmers reactions on the demonstrated technologies (by KVK Scientist who conducted the FLD)

S. No	Feed Back for researchers	Feedback for line department										
1	Growth of crop (black gram & lentil) was good & the production was found satisfactory as compared to farmers' practice.											
Technical feedback	inical feedback on specific technologies demonstrated in FLDs											
S. No	Feed Back											
1	Soil testing must be done before sowing the crop and proper agronomic practices must be followed for better production of the crops.											
2	New improved varieties (for this Zone) must be grown in place of old varieties (farmer practices), so that one can get better production.											

## c. Frontline demonstration on Other crops:

		ted			Parameters name	Resul	lt of mair	i parame	eter			Yie	ld (q/ha)			Ecor	nomics of (Rs	demonstr ./ha)	ation		Econ	omics of a (Rs./ha)	heck
	ţλ	nonstra	rmers	-	(No. of branches, No.	r r u	Demo plo	t ag	_	ntage		Dem	0	-	in yield							_	
Сгор	Varie	technology der	No. of Fa	Ares (ha)	of tillers, No. of pods or grains per plant, duration (days), No. of plants/sqmt.)	Ή	ľ	Avera	Che ck plot	% Advai	High	Low	Average	Check	% Increase	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
											Cere	als	-	-									
		Line sowing			No. of plants/sq m)	230	196	207.2	191	7.81	61.5	50	55	46	19.56	48800	125125	76325	1:2.56	48500	104650	56150	1:2.15
Wheat (Rabi 2023-24)	DBW-303	using multi- purpose seed	50	8	Spike length (cm)	13	10	10.25	9.35	8.78													
		machine			No. of grain/spike	39	33	34	29	14.7													
					Google	Fields, Veox. Let 28 27/11/	Style Hikel, HM66, etaal. 8.87682 23.12:38 P	N OMT +	C 0P4	B Map Carr	10778	Goog	e Svi	ainkroud, Utta 56V+PF, Sank t 28.8806011 ng 77.24449 J(04/24 01:08	e Pradesh, Ind roud, Uttar Pr 2º PM GMT +05	Jaka Jaka Jaka Jaka Jaka Jaka Jaka Jaka	Personal American A American American Ameri American American Americ	Hap Camera					
Wheat (Rabi 2024-25)	DBW-303	Line sowing of wheat using Super seeder machine	10	4									R	ESULT	AWAIT	ED							

																							30
						eck In Ne 26 In Can 23	ethla, Utt 33+v8p, jia t 29.0034 /11/24 04	ar Pradesh Nethla, Utta 199° Long 77 142 PM GM	GPS N. India r Pradesh 2203771° r +05:30	4ap Camera 250619,			Check In	Rawan Urft V88w4-85, Pradesh 28 Lat 28.853 19/11/24 02	Baragoan, Rawan Urf B 50101, India 662° Long 7 2:20 PM GM	Contraction of the second seco	amera India						
<b>Wheat</b> (Rabi 2023-24)	DBW- 303	High yielding disease resistance varietal demo	17	6.80	No. of tillers	15	9	12	10	20	59.10	54.60	57.80	50.40	14.68	42580	122825	80245	1:2.88	40980	107100	66120	1:2.61
	Pile Rat Lat Lor 27/	na, Uttar Pradesh, ol Pilana Rd, Pilana, 28.935316° 9 77.369949° 04/24 05:18 PM GM	GPS Map Camera 0615, India																				
Paddy	PB-1847	Varietal Demonstrati on	12	4.0	No. of Tiller/sqm No. of	175	110 41	155	135	9.09	50.80	45.50	46.80	42.50	9.25	38900	135720	96820	1:3.48	38050	123250	85200	1:3.23
Sugarcane	CO-0238	Integrated weed management	10	4.0	grain/spike	10	71		10	7.07	<u> </u>	<u> </u>		Result	Awaited			<u> </u>	<u> </u>				

																							31
Wheat	DBW-222	Varietal Demonstrati on	11	4.0										Resul	lt Awaite	d							
Paddy (Kharif	PB-1509	Management of stem borer in	10	4.0	Per cent infestation/ hills (dead heart) @ 14 DAS	10	3.15 2	.35 2	.69 6.6	7 59.67	51.25	46.00	47.84	42.65	12.17	39500	138736	99236	1:3.51	39000	123685	84685	1:3.17
2024)		paddy			White ears (before harvesting)	ears 0.80 0.30 0.57 2.15 73.49																	
Vagatablas	foddor crop			God	Faizpur X6RF+ł Lat 28 Long 77 05/08/3	<ul> <li>Ninana, Utt</li> <li>Hinana, Utt</li> <li>Hay, Faizpur H</li> <li>Haya</li> <li>Haya</li></ul>	ar Pradesh, Ninana, Niwa GMT +05:30	India ra, Uttar Pre	<b>GPS I</b> adesh 250619,	łap Camera India			Google	Faizpu X68F+1 Lat 28.9 Long 77 05/09/2	r Ninana, Utta J9, Faizpur Ni 38948° 2225977° 24 11:08 AM GN	ar Pradesh, India nana, Niwara, Utta AT +05:30	a Ir Pradesh 250619,	S Map Camera India					
				-	No. of whiteflies per 3 leaves/plant @ 10 DAS <sup>*</sup> (1 <sup>st</sup> spray)	2.67	1.65	0.95	6.13	84.50													
Tomato (Rabi 2023-24	Heemsona (Check- Pusa Ruby)	Manageme nt of leaf curl disease	30	12	No. of whiteflies per leaves/plant @ 10 DAS (2 <sup>nd</sup> spray)	4.34	1.75	1.87	7.89	76.30	520.4	421.46	470.13	370.89	21.10	185400	564156	425769	1:3.30	176200	482157	305957	1:2.74
					Per cent disease @ 10 DAS (1 <sup>st</sup> spray)	15.34	11.67	12.34	23.03	46.42													
					Per cent disease @ 10 DAS (2 <sup>nd</sup> spray)	16.34	12.67	12.89	30.67	57.97													

	Google	Nagla Labc Lat 28. Long 7 14/02/:	Vahan, thora, N 842402 7.36518 24 01:17	Uttar Pr hagla Vah 2 <sup>3</sup> 2 <sup>2</sup> 7 PM GM	A start and a star	250101, India	S Map C:	amera									ple 13	ukari, Uttar Pro cdC+79, Muta t 28,904071° ng 77,422444° /03/24 03:45 P	addesh, India ari, Uttar Pra	edesh 250626, Il	ndia	lap Camera	
Onion (Rabi 2023-24)	Nashik Red (Check- Bombay Red)	High yielding variety	14	1.2	Days to maturity	110	90	102	108	5.50	278.71	215.50	) 274.1	0 204.5	5 20.8	107250	617746	510496	1:4.7	107250	511250	404000	1:3.7
					(g)	98	85	94.75	88.3	6.76													
							2					4											
Carrot (Rabi 2023-24)	PusaRudra (Check- Pusa Kesar)	High yielding variety	08	1.5	Root length (cm) 2	8.3 4 22.87	26	5.89 23	.47 1	2.72	316.8	211.8	264.30	201.45	31.1	107250	660750	553500	1:5.1	107250	503625	396375	1:3.69



Potatp (Rabi 2024 -25)	Khufari-fry sona and Chipsona-1	Boaron and humic acid	20	8.0	Days to maturity Tuber weight Yield q/ha CB Ratio	Result awaited
Cauliflowe r (Rabi 2024 -25)	Arli Kuwari, Kartiki	Boaron	20	8.0	Curd Colour Weight of Curd Yield q/ha CB Ratio	Result awaited
			10	1		

India

GPS Map Cam

Khekra, Uttar Pradesh, India V777+vgv, Khekra, Uttar Pradesh 250101,

Lat 28.863736° Long 77.264351° 20/11/24 11:19 AM GMT +05:30

\* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

a, Uttar Pradesh, India +3g8, Khekra, Uttar Pradesh 250101, India

Lat 28.865495° Long 77.278413°

13/01/25 02:55 PM GMT +05:30

GPS Map Camera

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Khekra, Uttar Pradesh, India V75c+c3g, Khekra, Uttar Pradesh 250101, India

Lat 28.860378° Long 77.271728°

13/01/25 02:44 PM GMT +05:30

<sup>\*\*</sup> BCR= GROSS RETURN/GROSS COST

\$ Transplanting of rice seedling- Farmer's practice: Rs. 6875/ha (@ Rs. 2750/acre), Demonstration: Rs. 2500/ha (@ Rs. 1000/acre)
# Seed rate – Farmer's practice: 150 kg/ha, Demonstration: 100 kg/ha, % reduction- 33.3%, Total cost reduction in seed: Rs. 2100
Land preparation + Sowing- Farmer's practice: Rs. 6250/ha (@ 1<sup>st</sup> land ploughing with cultivator at Rs. 1000/acre, and 2<sup>nd</sup> ploughing after 1<sup>st</sup> irrigation with cultivator Rs. 1500/acre), Sowing- Rs. 625/ha, Total: Rs. 6875/ha, Demonstration: Rs. 2500/ha, Cost reduction: Rs. 4375/ha (Land preparation + sowing) + Rs. 2100/ha (seed), Total cost reduction: Rs. 6475/ha

Farmers reactions on the demonstrated technologies (by KVK Scientist who conducted the FLD)

S. No	Feed Back for researchers	Feedback for line department
1	Ergonomically and mechanically superior.	To promote mechanization in agriculture
	• Increased field capacity in comparison to traditional method.	
2	• Superior and highly efficient.	To promote line sowing using seed drill machine for enhancing productivity.
	• Increased field capacity in comparison to traditional method.	
3	• Growth of crop was good & the production was found satisfactory	To promote new improved variety of wheat
	as compared to farmers' practice.	
4 to 6	• Growth of crop (tomato, bitter guard, onion & carrot) was good &	To promote new improved varieties of bitter guard, onion & carrot for better
	the production was found satisfactory as compared to farmers'	production.
	practice.	

Technical feedback on specific technologies demonstrated in FLDs

S. No	Feed Back
1	• For adequate operation, properly root-washed seedling must be used.
	• Nursery seedlings of 20-25 DAS are suitable.
2	Soil testing must be done for better crop production.
	• Increase crop production in comparison to traditional method of broadcasting.

#### Frontline demonstration on Other Enterprise: Kitchen Gardening-

#### FLD on Other Enterprise: Kitchen Gardening

Category and Crop	Thematic area	Name of the technology	No. of Farmer	No. of Units	Yield	(Kg)	% change in	% Other parameters change in			Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
		demonstrated			Demons ration	Check	yield	Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)	
Vegetables of Rabi 2023-24	Nutritional food security	Cultivation of vegetables	50	50	210.00	60.00	250.00	-	-	590.00	4620.00	4030.00	1:7.83	300.00	1320.00	1020.00	1:4.4	
Vegetables of Kharif- 2024	Nutritional food security	Cultivation of vegetables	10	10	170.00	32.00	431.00	-	-	800.00	4250.00	3450.00	1:5.0	225.00	800.00	575.00	1:3.0	
Vegetables of Rabi 2024-25	Nutritional food security	Cultivation of vegetables	20	20						Result	t Awaited							



Farmers reactions on the demonstrated technologies (by KVK Scientist who conducted the FLD)

S. No	Feed Back for researchers	Feedback for line department
1	Latest varieties of seed in mini seed kit procured from IARI, New Delhi increased the yield. Cooking	To promote Nutrition Gardening to enhance dietary diversity.
	took less time & taste of vegetables were also found good.	
Technical feedback of	on specific technologies demonstrated in FLDs	
S. No	Feed Back	
1	Fresh & chemical free vegetables of summer and winter season fulfilled almost 80% of nutritional re-	quirement of the all family members particularly women and
	children as per RDA (Recommended Dietary Requirement) 300gms, vegetables /day	

## **III. Natural Farming**

## i. Crop Harvesting Details:

				(	Crop Details Und	ler Demons	tration					
		Na	ntural farmi	ng			Fa	armer's Practi	ice			
Name of KVK	Name of Crop	Variety	Area(ha)	Yield (Q/ha)	Total Cost of Cultivation (Rs./ha)	Name of crop	Variety	Area(ha)	Yield (Q/ha)	Total Cost of Cultivation (Rs./ha)	Date of Sowing	Date of Harvesting
Raghnat	Paddy	PB-1509	0.2	16.80	20960.00	Paddy	PB-1509	0.2	12.46	20160.00	02.07.2023	04.10.2023
Dagiipat	Wheat	DBW- 303	0.2	15.60	11690.00	Wheat	DBW- 303	0.2	11.39	10190.00	18.11.2023	20.04.2024

### ii. Preliminary Soil Data of Natural Farming Field:

		Soil Analysis				Micronutrients					Microbial Analysis					
Name of KVK	Soil data of Demonstrated/KVK Plot	N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Organic Carbon (%age)	Fe (ppm)	Mn (ppm)	Zn (ppm)	Cu (ppm)	S (Kg/ha)	Bacterial count (Nos.)	Fungi (Nos.)	Actinomycetes (Nos.)	Phosphorus Solubilizer (Nos.)	N Fixers (Nos.)	
	Natural	253.40	58.23	201.33	0.56	0.71	0.28	0.54	0.26	6.15	-	-	-	-	-	
Baghpat	Organic	280.30	54.13	198.31	0.63	0.68	0.31	0.40	0.28	6.10	-	-	-	-	-	
	Chemical	205.40	48.12	188.22	0.51	0.51	0.18	0.34	0.21	5.24	-	-	-	-	-	

## iii. Details of Demonstrations Conducted under Natural Farming Project

S. No.	Name of KVK	Name of village	Name of farmer	Mobile no. of farmer	Area under demonstration on Natural Farming (ha)
1	-	-	-	-	-
2	-	-	-	-	-
3	-	-	-	-	-

## iv. Information of Farmers already Practicing Natural Farming

Sl. No.	Name of the District	Name of the Farmers	No. of desi (indigenous) cows	Land holding (ha)	Crops Grown	No. of Years in Natural Farming	Area Covered under Natural Farming	Crops Grown under Natural Farming	Any significant achievements under natural farming
1	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-

## v. Natural Farming Nodal officer & Associate Name

S.No.	Name of KVK	Name of Head/SMS	Discipline/Subject	Mobile No.
01	Baghpat	Dr. Vikas Kumar	Plant Breeding	9411448594

## 1) Details of Drone Training

<u>S.No</u>	Name of the Institute/KVK	No. of Drone Alloted	No. of Drones Received	No. of Trainees	Name of RPTOs (Pilot)	Designation of Trainee	Mob No. of Trainee	Email Id of Trainee	Training Institute	Training Status Done/Scheduled	Passport No. of the Traince	Training Schedule	Remarks about Training Schedule
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-

## 2) Details of Nodal officers under Drone Project

<u>S.No</u>	Name of the Institute	Name of Nodal Officer	Contact No.	Email
-	-	-	-	-
-	-	-	-	-

## 3) Expenditure regarding Agri-Drone

S. No.	Name of KVK, ICAR Institute and AU	No. of Drones allotted	No. of Drones Purchased	Funds for purchase of Drones@ Rs.10.0 lakh/drone	<u>Funds for</u> <u>conducting</u> <u>demonstration</u> <u>Rs. @ 0.03</u> <u>lakh/demo Rs. In</u> <u>lakh</u>	Total funds released (Rs. In Lakh)	Funds utilized for purchase of Drones (Rs. In Lakh)	Funds utilized for conducting demonstration (Rs. In Lakh)	Total Fund Utilized (Rs. In Lakh)	Balance (Rs. In Lakh)	Percentage Utilization of Released Budget	Target Area under demonstration (ha)	Area under herbicidal spray (ha)	Area under insecticidal spray (ha)	Area under fertilizer spray (ha)	Area under nano- fertilizer spray (ha)	Total target achieved under demonstration (ha)
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

## 4) Details of Agri-Drone demonstration

Name of	Season	Crop	Area covered	Name of inputs	Dose/Rate						Econo	omics	
KVK			under	used for	of input	Crop	growth	Yield	(q/ha)	Gross cos	st (Rs/ha)	Gross	return
			demonstration	demonstration	used	_			_			(Rs/	/ha)
			(ha)			Demo	Control	Demo	Control	Demo	Check	Demo	Check
								plot	plot				
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-

## 5. Detailed information on Agri-Drone Didi in your district

Name of KVK	Name of Drone Didi	Year since she started this work	Crops covered (name)	Crop wise Area (Acre covered)	Crop wise farmers (Nos.) covered	Income generated (Rs/year)	Address of Drone Didi with mobile number
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-

## VI. Training Programme

## i. Farmer's Training including sponsored training programme (on campus):

Thematic area	Actual Title	Title Participants									
(May be	of training	No. of		Others			SC/ST		(	Frand Tota	1
specific to any given KVK)	conducted	courses	Male	Female	Total	Male	Female	Total	Male	Female	Total
				I Crop I	Productio	n					
Resource	NRM	01	17	0	17	03	0	03	20	0	20
Technologies	Kharif plan in less rain	01	18	0	18	02	0	02	20	0	20
Production of organic inputs	Bio/Natural farming & its importance	01	15	02	17	03	0	03	18	02	20
Tota	al	03	50	02	52	08	0	08	58	02	60
	1			II Hor	ticulture						
Vegetable											
Crops	<u> </u>										
Production of	Commercial nursery production technique in control condition	01	17	0	16	04	0	04	20	0	20
high volume crops	Cultivation technique of cucurbitaceo us vegetables crop on machan	01	20	0	20	0	0	0	20	0	20
Tota	al	02	37	0	36	04	0	04	40	0	40
				III Hon	ne Scienc	e					
Household food security by	Cultivation of Nutri- garden	01	0	17	17	0	03	03	0	20	20
kitchen gardening and nutrition gardening	Improving nutrition through nutrition gardening	01	0	17	17	0	03	03	0	20	20
Designing and development for high	Importance of millets &different products	02	0	34	34	0	06	06	0	40	40
nutrient efficiency diet	Fruit and vegetable preservation	01	0	17	17	0	03	03	0	20	20
Tota	al	05	0	85	85	0	15	15	0	100	100
				IV Agril.	Engineer	ing					
Repair and maintenance of farm machinery	Repair & maintenance of Tractor	01	20	0	20	0	0	0	20	0	20
and implements	Daily maintenance	01	20	0	20	0	0	0	20	0	20

	of										
	agricultural										
	equipments										
	Safety use of										
	plant	01	20	0	20	0	0	0	20	0	20
of agric equip Safet plant prote equip Crop Resid Mana OthersOthersOthersDrip sprin irriga systeTotalInteg pest disea mana in y in pass gest disea mana in y in pass fine gest disea mana in y in treg pest disea mana in y fine gest disea mana in y in treg pest disea mana in y in treg pest disea mana in y fine gest disea mana in y in treg pest disea mana in w fine gest disea mana in w in treg pest disea mana in w fine gest disea mana in w sugatIntegrated Pest mana in w sugatNanagement mana disea mana in w sugatSeed ProductionFarm fordu farm partic seed produ tech	protection	01	20	0	20	0	0	0	20	0	20
	equipments										
	Crop										
	Residue	02	37	0	37	03	0	03	40	0	40
	Management										
Others	Drip and										
	sprinklers	01	20	0	20	0	0	0	20	0	20
	irrigation	01	20	0	20	0	0	0	20	0	20
	system										
Tota	al	06	117	0	117	03	0	03	120	0	120
				V Plant	Protectio	n					
	Integrated										
	pest and	01	10	0	10	02	0	02	20	0	20
	disease	01	18	0	18	02	0	02	20	0	20
	in sugarcane										
	Integrated										
	pest and										
	disease	01	19	0	19	01	0	01	20	0	20
	management										
	in paddy										
	nest and										
	disease	01	20	0	20	0	0	0	20	0	20
Integrated Pest	management	01	20	0	20	0	0	0	20	0	20
Integrated Pest	in										
Management &	vegetables										
Managamant	nest and										
wanagement	disease	01	18	0	18	02	0	02	20	0	20
	management		10	Ŭ	10						
	in mustard										
	Integrated										
	disease	01	10	0	10	01	0	01	20	0	20
	management	01	17	0	1)	01	0	01	20	Ŭ	20
	in wheat										
	Integrated										
	pest and										
	disease	01	17	0	17	03	0	03	20	0	20
	in wheat and										
	sugarcane										
Tota	al	6	111	0	111	9	0	9	120	0	120
				VI Plan	t Breedin	g					
	Varietal										
	diversificati										
	on & quality	01	20	0	20	0	0	0	20	0	20
Seed	seed	÷.		Ŭ		Ŭ	Ŭ	Ŭ		Ť	
	production										
	of mustard										
Production	Farmer										
	participatory										
	seed	01	20	0	20	0	0	0	20	0	20
	production										
	technique of										
	wheat										

	Farmer participatory seed production technique of sugarcane	01	20	0	20	0	0	0	20	0	20
	Natural farming	01	20	0	20	0	0	0	20	0	20
Tot	al	4	80	0	80	0	0	0	80	0	80
GRAND	FOTAL	26	395	87	481	24	15	39	418	102	520

## ii. Farmer's Training including sponsored training programmes (off campus):

Thematic area	A stual Title					]	Participant	s			
(May be	of training	No. of		Others			SC/ST			Grand Tot	al
specific to any	conducted	courses	Male	Female	Total	Male	Female	Total	Male	Female	Total
given KVK)				IC	D. 1. 4						
	Tatanana in a	[		I Crop	) Product	ion		1			
	with spring	01	20	0	20	0	0	0	20	0	20
Cronning	cane	01	20	0	20	0	0	0	20	0	20
Systems	Scientific										
jara jara	cultivation of	01	19	0	19	01	0	01	20	0	20
	Basmati Rice										
Tot	al	02	39	0	39	01	0	01	40	0	40
				II He	orticultur	e					
a) Vegetable Cro	ps										
	Production										
	technique of	01	20	0	20	0	0	0	20	0	20
	onion and										
Production of	Broduction										
low value and	technique of										
high volume	early	01	17	0	17	0	0	0	17	0	17
crops	cauliflower										
	cauliflower Production										
	technique of	01	20	0	20	01	0	01	21	0	21
	pea										
	N		1	1	1		1	1	1		
	Nursery										
	of early	01	20	0	20	0	0	0	20	0	20
Nursery raising	cauliflower										
	Nursery										
	management	01	20	0	20	0	0	0	20	0	20
	of tomato	01	20	0	20	0	0	0	20	0	20
	crop	^ <b>-</b>	0.6	<u>^</u>	0.6	<u>^</u>	<u>^</u>				
Tot	al	05	96	0	96	0	0	02	98	0	98
b) Fruits											
	lavout &										
Cultivation of	production										
Fruit produ	technique of	01	20	0	20	0	0	0	20	0	20
	guava orchard									Grand Tot         Female         0          0          0	
Tot	al	01	20	0	20	0	0	0	20	0	20

c) Ornamental Plants											
Cultivation of flowers	Production technique of	01	12	0	12	08	0	08	20	0	20
Tot	al	01	12	0	12	08	0	08	20	0	20
Grand	Total	7	128	0	128	8	0	10	138	0	138
			III Ho	me Science	/Women of	empowerm	ent	1			
	Preparation of nutria thali	01	0	20	20	0	0	0	0	20	20
Design and development of low/minimum cost diet	Nutritional and medicinal value of Moringa	02	0	40	40	0	0	0	0	40	40
	Poshan Tali	01	0	20	20	0	0	0	0	20	20
Processing and	Processing of soyabean for food uses	02	0	40	40	0	0	0	0	40	40
cooking	Storage of grains	01	0	20	20	0	0	0	0	20	20
Gender mainstreaming through SHGs	Role of SHG in enhancing family income	01	0	14	14	0	06	06	0	20	20
	Balance diet	02	0	36	36	0	04	04	0	40	40
Women empowerment	Bio-fortified varieties for nutrition	01	0	20	20	0	0	0	0	20	20
Minimization of	Nutrition & safe motherhood	02	0	40	40	0	0	0	0	40	40
nutrient loss in processing	Importance & management of nutritional garden	01	0	20	20	0	0	0	0	20	20
Tot	al	14	0	270	270	0	10	10	0	280	280
			1	IV Agri	l. Enginee	ering			1		
	Mechanizatio n in agriculture	01	20	0	20	0	0	0	20	0	20
	Line sowing of wheat using Happy Seeder machine	01	20	0	20	0	0	0	20	0	20
Farm Machinery and its maintenance	Introduction to ratoon management device	01	20	0	20	0	0	0	20	0	20
	Introduction to agriculture drone and its benefits	01	20	0	20	0	0	0	20	0	20
	Safety use of sprayer machine	01	20	0	20	0	0	0	20	0	20
Other (specify)	Crop residue	01	20	0	20	0	0	0	20	0	20

	management										
	Effect of										
	summer deep	01	20	0	20	0	0	0	20	0	20
	ploughing										
	Importance of										
	rainwater	01	20	0	20	0	0	0	20	0	20
	harvesting										
	structures										
	ICI based	01	20	0	20	0	0	0	20	0	20
	inigation	01	20	0	20	0	0	0	20	0	20
	Uses of drope										
	in agriculture	01	20	0	20	0	0	0	20	0	20
To	tal	10	200	0	200	0	0	0	200	0	200
10		10	200	V Plar	nt Protecti	ion	U	v	200	v	200
	Management			v I lui							
	of sugarcane										
	borer through	01	20	0	20	0	0	0	20	0	20
	Tricho-cards										
	Management										
	of Pokka		10	0	10	02	0	02	21	0	21
	Boing disease	01	18	0	18	03	0	03	21	0	21
	in sugarcane										
	Pest and										
	disease	01	20	0	20	0	0	0	20	0	20
	management	01	20	0	20	0	0	0	20	0	20
	in sugarcane										
	Pest and										
	disease	01	18	0	18	02	0	02	20	0	20
Integrated Pest	management	01	_				_		-		
and Disease	in rice nursery										
Management	Pest		20	0	20	0	0	0	20	0	20
	management	01	20	0	20	0	0	0	20	0	20
	III fice Managamant										
	of leaf roller										
	and stem	01	20	0	20	0	0	0	20	0	20
	borer in rice										
	Management										
	of brown		20	0	20	0	0	0	20	0	20
	plant hopper	01	20	0	20	0	0	0	20	0	20
	in rice										
	Pest and										
	disease	01	18	0	18	02	0	02	20	0	20
	management	01	10	0	10	02	0	02	20	0	20
	in mustard										
Bio-control of	Use of bio-										
pests and	control agents	01	10	0	10	08	02	10	18	02	20
diseases	in vegetables										
	Methods of										
Other	seed treatment	01	20	0	20	0	0	0	20	0	20
Otner	and its role in	01	20	0	20	0	0	0	20	U	20
	crops										
То	tal	10	104	0	104	15	02	17	100	02	201
10	lai	10	104	U VI Dia	104 nt Breed	15 ing	02	1/	199	02	201
Seed Production	Varietal	01	41	0	41	0	0	0	41	0	41
			1	l ~	1	Ň	Ĭ	i č	ı ••	Ŭ Š	

								1			
	selection for										
	sowing of										
	sugarcane										
	Farmer										
	participatory										
	quality seed	01	21	0	21	0	0	0	21	0	21
	production of										
	sugarcane										
	Varietal										
	diversification										
	& quality seed	01	20	0	20	0	0	0	20	0	20
	production of										
	mustard										
	Farmer										
	participatory										
	variety &										
	quality seed	01	20	0	20	0	0	0	20	0	20
	production										
	technique of										
	wheat										
	Scientific										
	Seed prod. of	01	20	0	20	0	0	0	20	0	20
	Sugarcane										
	Seed										
	production	01	20	0	20	0	0	0	20	0	20
	rice										
	Farmer										
	participatory										
	biofortified										
	variety &	01	20	0	20	0	0	0	20	0	20
	quality seed	01	20	0	20	0	0	0	20	0	20
	production										
	technique of										
	moong										
	Preparation										
	Inethod of	01	21	0	21	0	0	0	21	0	21
	Ghanieevamra	01	21	0	21	0	0	0	21	0	21
	t										
	Natural										
	farming of	02	40	0	40	0	0	0	40	0	40
	sugarcane										
	Natural										
Others (Natural	farming of	01	20	0	20	0	0	0	20	0	20
farming)	wheat										
	Organic rice	01	20	0	20	0	0	0	20	0	20
	techniques	01	20	0	20	0	0	0	20	0	20
	Organic										
	farming in	01	20	0	20	0	0	0	20	0	
	rice	÷.		Ŭ		Ŭ	Ŭ	Ŭ		Ŭ	
	Natural		<u> </u>								
	farming of	01	20	0	20	0	0	0	20	0	20
	rice										
Tot	al	14	303	0	303	0	0	0	303	0	303

GRAND TOTAL	76	1152	349	1501	38	13	51	1189	363	1552

Farmers' Training including sponsored training programmes – CONSOLIDATED (On + Off campus)

Thematic area	A atual Titla					]	Participant	s			
(May be	Actual Thie	No. of		Others			SC/ST			Grand Tot	al
specific to any given KVK)	conducted	courses	Male	Female	Total	Male	Female	Total	Male	Female	Total
				I Crop	o Producti	ion					
Resource	NRM	01	17	0	17	03	0	03	20	0	20
Conservation Technologies	Kharif plan in less rain	01	18	0	18	02	0	02	20	0	20
Production of organic inputs	Bio/Natural farming & its importance	01	15	02	17	03	0	03	18	02	20
Cropping	Intercropping with spring cane	01	20	0	20	0	0	0	20	0	20
Systems	Scientific cultivation of Basmati Rice	01	19	0	19	01	0	01	20	0	20
Tot	al	5	89	2	91	9	0	9	98	2	100
		-		II He	orticultur	e				-	
a) Vegetable Cro	ps										
	Production technique of onion and garlic	01	20	0	20	0	0	0	20	0	20
low value and high volume crops	Production technique of early cauliflower	01	17	0	17	0	0	0	17	0	17
	Production technique of pea	01	20	0	20	01	0	01	21	0	21
Nursery raising	Nursery management of early cauliflower	01	20	0	20	0	0	0	20	0	20
Tursery raising	Nursery management of tomato crop	01	20	0	20	0	0	0	20	0	20
Production of low value and high volume crops	Commercial nursery production technique in control condition	01	17	0	16	04	0	04	20	0	20
	Cultivation technique of cucurbitaceou s vegetables	01	20	0	20	0	0	0	20	0	20

	crop on machan										
Tot	al	7	134	0	122	5	0	5	138	0	138
b) Fruits		/	134	0	135	5	0	5	130	0	130
Cultivation of Fruit	layout & production technique of guava orchard	01	20	0	20	0	0	0	20	0	20
Tot	al	01	20	0	20	0	0	0	20	0	20
c) Ornamental											
Plants											
Cultivation of flowers	Production technique of gladiolus	01	12	0	12	08	0	08	20	0	20
Tot	al	01	12	0	12	08	0	08	20	0	20
Grand	Total	9	166	0	165	13	0	13	178	0	178
			III Ho	me Science	/Women	empowerm	ent				
Design and	Preparation of nutria thali	01	0	20	20	0	0	0	0	20	20
development of low/minimum cost diet	Nutritional and medicinal value of Moringa	02	0	40	40	0	0	0	0	40	40
	Poshan Tali	01	0	20	20	0	0	0	0	20	20
	Processing of	01	0	20	20	0	0	0	Ŭ	20	20
Processing and cooking Gender mainstreaming	soyabean for food uses	02	0	40	40	0	0	0	0	40	40
	Storage of grains	01	0	20	20	0	0	0	0	20	20
Gender mainstreaming through SHGs	Role of SHG in enhancing family income	01	0	14	14	0	06	06	0	20	20
	Balance diet	02	0	36	36	0	04	04	0	40	40
Women empowerment	Bio-fortified varieties for nutrition	01	0	20	20	0	0	0	0	20	20
Minimization of	Nutrition & safe motherhood	02	0	40	40	0	0	0	0	40	40
nutrient loss in processing	Importance & management of nutritional garden	01	0	20	20	0	0	0	0	20	20
Household food	Cultivation of Nutri-garden	01	0	17	17	0	03	03	0	20	20
kitchen gardening and nutrition gardening	Improving nutrition through nutrition gardening	01	0	17	17	0	03	03	0	20	20
gardening Designing and development for high nutrient	Importance of millets &different products	02	0	34	34	0	06	06	0	40	40
efficiency diet	Fruit and vegetable preservation	01	0	17	17	0	03	03	0	20	20

То	tal	19	0	355	355	0	25	25	0	380	380
				IV Agri	l. Enginee	ering					
	Mechanizatio n in agriculture	01	20	0	20	0	0	0	20	0	20
	Line sowing of wheat using Happy Seeder machine	01	20	0	20	0	0	25       0       380         0       0       20       0         0       0       20       0         0       0       20       0         0       0       20       0         0       0       20       0         0       0       20       0         0       0       20       0         0       0       20       0         0       0       20       0         0       0       20       0         0       0       20       0         0       0       20       0         0       0       200       0         0       0       200       0         0       0       200       0         0       0       200       0         0       0       200       0         0       0       20       0         0       0       20       0         0       0       20       0         0       0       20       0         0       0       20       0	20		
Farm Machinery and its maintenance	Introduction to ratoon management device	01	20	0	20	0	0	0	20	0	20
	Introduction to agriculture drone and its benefits	01	20	0	20	0	0	0	20	0	20
	Safety use of sprayer machine	01	20	0	20	0	0	0	20	0	20
	Crop residue management	01	20	0	20	0	0	0	20	0	20
	Effect of summer deep ploughing	01	20	0	20	0	0	0	20	0	20
Other (specify)	Importance of rainwater harvesting structures	01	20	0	20	0	0	0	20	0	20
Other (specify)	ICT based irrigation system	01	20	0	20	0	0	0	20	0	20
	Uses of drone in agriculture	01	20	0	20	0	0	0	20	0	20
То	tal	10	200	0	200	0	0	0	200	0	200
V Plant Protecti	on		1	1	1	1	1	1	1	1	1
	Management of sugarcane borer through Tricho-cards	01	20	0	20	0	0	0	20	0	20
	Management of Pokka Boing disease in sugarcane	01	18	0	18	03	0	03	21	0	21
Integrated Pest and Disease Management	Pest and disease management in sugarcane	01	20	0	20	0	0	0	20	0	20
	Pest and disease management in rice nursery	01	18	0	18	02	0	02	20	20       0         20       0	20
Machinery and its maintenance	Pest management in rice	01	20	0	20	0	0	0	20	0	20
	Management	01	20	0	20	0	0	0	20	0	20

	of leaf roller										
	and stem										
	borer in rice										
	Management										
	of brown	01	20	0	20	0	0	0	20	0	20
	plant hopper	01	20	0	20	0	0	0	20	0	20
of         ar         bc         M         of         m         pl         in         Pe         di         m         in         Bio-control of         pests and         diseases         in         pe         diseases         in         pe         di         in         in         pe         di         in         pe         di         in         in         in         in         in         in         in         in	in rice										
	Pest and										
	disease	01	19	0	10	02	0	02	20	0	20
	management	01	10	0	10	02	0	02	20	0	20
	in mustard										
Bio-control of	Use of bio-										
pests and	control agents	01	10	0	10	08	02	10	18	02	20
diseases	in vegetables										
	Integrated										
	pest and	01	10	0	10	02	0	02	20	0	20
	disease	01	18	0	18	02	0	02	20	0	20
	in sugarcane										
	Integrated										
	pest and										
	disease	01	19	0	19	01	0	01	20	0	20
	in paddy										
	Integrated										
	pest and										
Integrated Pest Management & Disease Management	disease	01	20	0	20	0	0	0	20	0	20
Integrated Pest	management										
Integrated Pest Management & Disease Management	in vegetables										
	integrated										
Management	disease	01	18	0	18	02	0	02	20	0	20
	management										
	in mustard										
	Integrated										
	pest and	01	10	0	10	01	0	01	20	0	20
	management	01	19	0	19	01	0	01	20	0	20
	in wheat										
	Integrated										
	pest and										
	disease	01	17	0	17	03	0	03	20	0	20
	in wheat and										
	sugarcane										
	Methods of										
	seed treatment										
Other	and its role in	01	20	0	20	0	0	0	20	0	20
	Rabi season										
	crops										
Tot	al	16	295	0	295	24	2	26	319	2	321
				VI Pla	nt Breedi	ng					
	Varietal										
	selection for										
	early autumn	01	41	0	41	0	0	0	41	0	41
	sowing of										
Seed Production	sugarcane										
	Farmer										
	participatory										
	quality seed	01	21	0	21	0	0	0	21	0	21
	production of										
	sugarcane										

	Varietal diversification & quality seed production of mustard	01	20	0	20	0	0	0	20	0	20
	Farmer participatory biofortified variety & quality seed production technique of wheat	01	20	0	20	0	0	0	20	0	20
	Scientific Seed prod. of Sugarcane	01	20	0	20	0	0	0	20	0	20
	Seed production technique of rice	01	20	0	20	0	0	0	20	0	20
	Farmer participatory biofortified variety & quality seed production technique of moong	01	20	0	20	0	0	0	20	0	20
	Varietal diversification & quality seed production of mustard	01	20	0	20	0	0	0	20	0	20
	Farmer participatory seed production technique of wheat	01	20	0	20	0	0	0	20	0	20
	Farmer participatory seed production technique of sugarcane	01	20	0	20	0	0	0	20	0	20
	Natural farming	01	20	0	20	0	0	0	20	0	20
Others (N-torn)	Preparation method of Jeevamrat & Ghanjeevamra t	01	21	0	21	0	0	0	21	0	21
farming)	Natural farming of sugarcane	02	40	0	40	0	0	0	40	0	40
	Natural farming of wheat	01	20	0	20	0	0	0	20	0	20

	Organic rice production techniques	01	20	0	20	0	0	0	20	0	20
	Organic farming in rice	01	20	0	20	0	0	0	20	0	20
	Natural farming of rice	01	20	0	20	0	0	0	20	0	20
Tota	1	18	383	0	383	0	0	0	383	0	383
GRAND T	OTAL	77	1133	357	1489	46	27	73	1178	384	1562

iii. Training for Rural Youths including sponsored training programmes (On campus):

Thematic			No. of Participants									
area	Actual Title of	No. of		General	l		SC/ST		(	Grand Tota	1	
(May be specific to any given KVK)	training conducted	Cours es	Male	Fem ale	Total	Male	Female	Total	Male	Female	Total	
Mushroom Production	Mushroom Production technology	01	12	02	14	0	0	0	12	02	14	
Seed production	High quality seed production technique of sugarcane	01	10	0	10	0	0	0	10	0	10	
Mechanization	Tractor repair and maintenance	01	08	0	8	2	0	2	10	0	10	
Handy craft	Handy craft- Macrame cloth bags-Jute products	01	25	0	25	0	0	0	25	0	25	
nanuy crait	Handy craft- Macrame cloth bags-Jute products	01	25	0	25	0	0	0	25	0	25	
TOTAL		5	80	2	82	2	0	2	82	2	84	

Training for Rural Youths including sponsored training programmes (Off campus)-Nil

Training for Rural Youths including sponsored training programmes – CONSOLIDATED (On + Off campus)

Thematic			No. of Participants											
area	Actual Title of	No. of		Genera	al		SC/ST		Grand Total					
(May be specific to any given KVK)	training conducted	Courses	Male	Fem ale	Total	Male	Female	Total	Male	Female	Total			
Mushroom Production	Mushroom Production technology	01	12	02	14	0	0	0	12	02	14			
Seed production	High quality seed production	01	10	0	10	0	0	0	10	0	10			

	technique of sugarcane										
Mechanization	Tractor repair and maintenance	01	08	0	8	2	0	2	10	0	10
Handy anoft	Handy craft- Macrame cloth bags-Jute products	01	25	0	25	0	0	0	25	0	25
Handy craft	Handy craft- Macrame cloth bags-Jute products	01	25	0	25	0	0	0	25	0	25
TOTAL		5	80	2	82	2	0	2	82	2	84

## Training programmes for Extension Personnel including sponsored training programmes (on campus):

Thematic area			No. of Participants									
(May be specific	Actual Title of	No. of	General				SC/ST		Grand Total			
to any given KVK)	training conducted	Cours es	Male	Fem ale	Total	Male	Femal e	Total	Male	Female	Total	
Household food security by kitchen gardening and nutrition gardening	Cultivation of Nutri-garden in Rabi season	01	0	20	20	0	0	0	0	20	20	
Tot	al	01	0	20	20	0	0	0	0	20	20	

## Training programmes for Extension Personnel including sponsored training programmes (off campus):

Thematic	Actual Title of			No. of Participants							
area	training conducted	No.		General	l		SC/ST		(	Grand Tota	1
(May be specific to any given KVK)		of Cou rses	Male	Femal e	Total	Male	Female	Total	Male	Female	Total
	Integrated pest and disease management in sugarcane	01	18	0	18	03	0	03	21	0	21
Integrated Pest &	Disease and pest management in vegetables by biological methods	01	0	18	18	0	02	02	0	20	20
Disease Management	Integrated pest and disease management in rice	01	18	01	19	02	0	02	20	01	21
	Importance of biological methods for disease and pest management	01	17	0	17	03	0	03	20	0	20
Protected cultivation	Production technology of better	01	02	20	22	0	03	03	02	23	25

	1	1	r	r	r	r	r	r	1		1
technology	guard Production										
	technology of bottle	01	02	20	22	0	03	03	02	23	25
	guard										
	Production		•		•				•	0	•
Propagation	dechnique of	01	20	0	20	0	0	0	20	0	20
techniques of	Production										
Ornamental	technique of	01	02	20	22	0	03	03	02	23	25
Plants	marigold										
	Rejuvenation of old	01	20	0	20	0	0	0	20	0	20
T	orchard								_	-	_
Low cost and	diet for adolescents	01	0	11	11	0	04	04	0	15	15
efficient diet	Poshan Thali for										
designing	women	01	0	20	20	0	0	0	0	20	20
Value	Value addition in	01	0	18	18	0	0	0	0	18	18
addition	millets	01	0	10	10	0	0	0	0	10	10
	Value addition in	02	0	36	36	0	04	04	0	40	40
Household	vegetables										
food security	Cultingtion of Natai										
by kitchen	garden in Rabi	01	0	20	20	0	0	0	0	20	20
gardening and	season	01	0	20	20	0	0	0	0	20	20
nutrition											
gardening	High quality seed										
	production of										
	sugarcane through	01	62	0	62	0	0	0	62	0	62
	single bud										
	High quality seed										
	production	01	26	0	26	0	0	0	26	0	26
Seed	mustard										
production	Promising varieties										
	and scientific seed	01	20	0	20	03	0	03	21	0	24
	production of	01	20	0	20	05	0	05	21	0	24
	Sugarcane.										
	High quality seed	01	02	20	22	0	03	03	02	23	25
	technology of paddy	01	02	20	22	0	03	03	02	23	23
	Mechanization in	01	- 21	0	21	0	0	0	21	0	21
	agriculture	01	21	0	21	0	0	0	21	0	21
	Introduction to										
Any other	agriculture drone	01	0	26	26	0	0	0	0	26	26
(please	and its benefits										
specify)	management in	01	0	20	20	0	0	0	0	20	20
	crops		~			-	~	-	-		
	Role of I.C.T. in	01	22	0	22	0	0	0	22	0	22
	agriculture	01	22	0		0	0	0	22	0	-
	FOTAL	23	252	250	502	11	22	33	261	272	536

# Training programmes for Extension Personnel including sponsored training programmes – CONSOLIDATED (On + Off campus)

Thematic	Actual Title of		No. of Participants									
area	training conducted			General			SC/ST		Grand Total			
(May be specific to any given KVK)		No. of Courses	Male	Female	Total	Male	Female	Total	Male	Female	Total	
	Integrated pest and disease management in sugarcane	01	18	0	18	03	0	03	21	0	21	
Integrated Pest &	Disease and pest management in vegetables by biological methods	01	0	18	18	0	02	02	0	20	20	
Disease Management	Integrated pest and disease management in rice	01	18	01	19	02	0	02	20	01	21	
	Importance of biological methods for disease and pest management	01	17	0	17	03	0	03	20	0	20	
Protected cultivation technology	Production technology of better guard	01	02	20	22	0	03	03	02	23	25	
	Production technology of bottle guard	01	02	20	22	0	03	03	02	23	25	
Propagation	Production technique of gladiolus	01	20	0	20	0	0	0	20	0	20	
techniques of Ornamental Plants	Production technique of marigold	01	02	20	22	0	03	03	02	23	25	
	Rejuvenation of old orchard	01	20	0	20	0	0	0	20	0	20	
Low cost and nutrient	Nutrient efficient diet for adolescents	01	0	11	11	0	04	04	0	15	15	
efficient diet designing	Poshan Thali for women	01	0	20	20	0	0	0	0	20	20	
Value addition	Value addition in millets	01	0	18	18	0	0	0	0	18	18	
	Value addition in vegetables	02	0	36	36	0	04	04	0	40	40	
	High quality seed production of sugarcane through single bud	01	62	0	62	0	0	0	62	0	62	
Seed production	High quality seed production technology of mustard	01	26	0	26	0	0	0	26	0	26	
	Promising varieties and scientific seed production of Sugarcane.	01	20	0	20	03	0	03	21	0	24	

	High quality seed production technology of paddy	01	02	20	22	0	03	03	02	23	25
	Mechanization in agriculture	01	21	0	21	0	0	0	21	0	21
Any other	Introduction to agriculture drone and its benefits	01	0	26	26	0	0	0	0	26	26
specify)	Irrigation management in crops	01	0	20	20	0	0	0	0	20	20
	Role of I.C.T. in agriculture	01	22	0	22	0	0	0	22	0	22
	FOTAL	23	252	250	502	11	22	33	261	272	536

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
Advisory Services	631	2278	74	2352
Diagnostic visits	21	71	06	98
Field Day	06	134	03	143
Group discussions	0	0	0	0
Kisan Ghosthi	23	2625	217	2842
Film Show	0	0	0	0
Self -help groups	16	161	21	198
Kisan Mela	26	6036	406	6442
Exhibition	04	332	37	369
Scientists' visit to farmers field	65	487	22	509
Plant/animal health camps	01	102	0	103
Farm Science Club	0	0	0	0
Ex-trainees Sammelan	0	0	0	0
Farmers' seminar/workshop	04	195	17	212
Method Demonstrations	03	56	15	71
Celebration of important days	07	247	57	304
Special day celebration	05	478	26	509
Exposure visits	16	340	48	404
Others (Awareness Programme)	42	1217	67	1284
Total	870	14759	1016	15840

## **VII. Extension Programmes**

#### i. Details of other extension programme:

Particulars	Number
Electronic Media (CD/DVD)	-
Extension Literature	12
News paper coverage	217
Popular articles	04
Radio Talks	02
TV Talks	07
Animal health camps (Number of animals treated)	01 (237 animals treated)
Others (pl. specify)	-
Total	243

#### ii. Mobile Advisory Services:

_		Type of Messages						
Name of KVK	Message Type	Crop	Livestock	Weather	Marketing	Awareness	Other enterprise	Total
	Text only	394	08	127	09	42	14	594
Baghpat	Voice only	127	0	5	0	36	47	215
	Voice & Text both	118	0	0	09	17	09	153
	Total Messages	639	8	132	18	95	70	962
	Total farmers Benefitted	8642	114	2756	47	1945	82	13586

## VIII. Details Of Technology Week Celebrations - Nil

## IX. Production Of Seed/Planting Material And Bio-Products

Production of seeds by the KVK:

Сгор	Name of the crop	Name of the variety	Name of the hybrid	Quantity of seed (q)	Value (Rs)	Number of farmers
Cereals	Wheat	DBW-303	FS-II	251.00	555,100.00	Supply to NSC
Cerears	Paddy	PB-1692	FS-II	101.71	350550.00	Supply to NSC
Oilseed	Mustard	RH-761	FS-II	27.54	116,107.00	Supply to NSC
Others	-	-	-	-	-	-
	Тс	380.25	1021757.00			

Сгор	Name of the crop	Name of the variety	Name of the hybrid	Quantity of seed (q)/Seedlings (No.)	Value (Rs)	Number of farmers
	Brinjal	Nav Kiran	-	420	210	03
	Tomato	5013	-	1140	570	07
	Chilli	Pari Hot	-	220	110	03
Vegetables	Cauliflower	Kartiki	-	2000	1000	01
, egetubles	Cabbage	S-92	-	1920	480	06
	Dragon fruit	C-Red	-	30	600	01
	Marigold	Pusa	-	400	100	01
		Narangi				
	Total					22

#### i. Production of planting materials/seedlings by the KVK:

#### ii. Production of vermi-compost &verms by the KVK:

Products	Quantity (q)	Value (Rs)
Vermi compost	11.50	5750.00
Verms	0.35	10400.00
Total	11.85	16150.00

## X. DETAILS OF SOIL, WATER AND PLANT ANALYSIS

Samples	No. of Samples	No. of Farmers	No. of Villages	Amount realized (Rs.)
Soil	371 + 422	371 + 422	26	9330.00
Total	793	793	26	9330.00

## XI SCIENTIFIC ADVISORY COMMITTEE

Name of KVK	Number of SACs conducted	Date of SAC
Baghpat	01	26.11.2024

Name of News letter/Magazine	No. of Copies printed for distribution
-	-
-	-

## XII. NEWSLETTER/MAGAZINE

## **XIII PUBLICATIONS**

Category	Number
Books	04
Technical bulletins	0
Research Paper	03
Lead Papers	0
Book Chapters	14
Popular Articles	04
Newsletters	0
Technical reports	21
Others (Folder)	06

## XIV. DETAILS ON RAIN WATER HARVESTING STRUCTURE AND MICRO-IRRIGATION SYSTEM – Nil

## XV. INTERVENTIONS ON DISASTER MANAGEMENT/UNSEASONAL RAINFALL/HAILSTORM/COLD WAVES ETC- Nil

## XVI. DETAILS ON HRD ACTIVITIES- Nil

## **XIX Achievement of Special programmes**

## i. Activities performed under NARI programme

## Table: Details of activities performed under NARI programme:

Nutritiona	Nutritional Garden		Bio-fortified crops		Value addition		Training programmes		Extension activities	
No of Establishe d	No. of farmers/ beneficia ries	No of activit y	No. of farmers/ benefici aries	No of activi ty	No. of farmers/ Benefici aries	No of activi ty	No. of farmers/ benefici aries	No of activ ity	No. of farmers/ benefici aries	
70	70	04	75	10	195	12	135	16	260	

## Table-7.2: Details of Bio-Fortified Crops used for nutritional security under NARI programme

Category	Bio Fortified Crop	Variety	Area (ha)	No of Beneficiaries
Cereal	Maize			
	Rice			
	Wheat			
	Finger millet			
Millet				
	Pearlmillet			
	Sorghum			
Oilseed	Groundnut			
	Mustard			
Pulses	Lentil			
	Lathyras			
Vegetable	Cauliflower	Pusa beta keseri-01	_	03
Tuber	Sweet Potato			
Total				03

S.No.	Items	No. of	No. of persons
		Programmes	participated
1	Toilet maintenance	-	-
2	Road, drain cleaning	-	-
3	Garbage disposal	06	30
4	Door to door awareness	03	25
5	Awareness campaign	24	1765
6	Nookkad Drama	-	-
7	School Drama	-	-
8	School rally	02	650
9	Writing paining slogans	-	-
10	Composting	-	-
11	Other	05	60

#### 12) Achievements under Swachhata Abhiyan Mission

## 1) Achievements of Soil, water, plant and manure samples analyzed by KVKs and soil health cards issued

Sample	No. of	No. of	No. of	Amount	No. of Soil Health Cards
	Samples in	Farmers in	Villages in	realized	issued
	lakh	lakh	lakh	(Rs. in lakhs)	(lakhs)
Soil	793	793	26	9330	
Water					
Plant					
Manure					
Total	793	793	26	9330	

## 9) Achievements under NICRA Project

NRM production		iction	Livestock & Fisheries			Capacity Building		Extension Activities		
De mo	Area (ha)	De mo	Area (ha)	De mo	Area (ha)	No. of anim als	No of Cour Farm ses ers		No. of program Farm mes ers	
07	78	06	45	01	-	51	08	190	05	175

#### 14) Awards

S.No.	Name of Award received	Name of KVK/farmer	Year of Award	Date on which award received
01	Youth Progressive State Level Award	Sh. Sonu Tyagi	2024	Oct, 24
02	Nauchar Krishi Yantra, IARI Pusa New Delhi	Dr. D.P. Singh	2024	Feb., 24
03	Kisan Saman Diwas, SVPUAT,	Dr. Rajesh Singh Meerut	2024	Dec, 24
04	Krishi Vibhag Lucknow	Sh. Satendra Singh	2024	Dec, 24
05	Deptt. Of Horticulture U.P. Govt	Sh. Zakir Husain	2024	Dec, 24

## FLAGSHIP & SPECIAL PROGRAMMES

1. Kendriya Vidyalaya, Chandinagar students visit at KVK Dated 17.02.2024:<br/>No. of Programme- 01No. of participants- 214





2. Shri Surya Pratap Shahi, Minister of Agriculture visit at KVK, Baghpat Dated 01.03.2024:

No. of Programme- 01







3. Kisan Mela at SPC Degree College, Baghpat Dated 01-03.03.2024: No. of Programme- 01 No. of participants- 7500+ KVK, Baghpat won first prize in National Level Stall





## NICRA Project

## a. Achievements:

NRM		Crop production		Livestock & Fisheries			Capacity Building		Extension Activities	
Dem o	Area (ha)	Demo	Area (ha)	Demo	Area (ha)	No. of Animals/ farmers	No of Courses	Farmers	No. of Programme	Farmers
07	78	06	45	01	-	51	08	190	05	175

## b. Training programme conducted:

S. No.	Training Titles	Date	No. of
		2.000	beneficiaries
1.	Management of wheat diseases	02.02.2024	20
2.	Cucurbits production technique	28.02.2024	20
3.	In-situ moisture conservation(Green manuring and Brown mulching)	22.07.2024	25
4.	Seed production technology in Sugarcane crop	23.07.2024	25
5.	Different sowing method of sugercane	20.09.2024	25
6.	Integrated pest management in Sugarcane	30.09.2024	25
7.	Nutritional management in women	30.09.2024	25
8.	Soil health & fertility management	01.10.2024	25
Total	08		190





#### c. Other extension activities:

Name of program	Date	Number of Participants
Field day in soil moisture indicator in Sugarcane	26.10.2024	40
Field day under demonstration of pheromone	28.10.2024	40
traps in sugarcane		
Field day in mustard	26.02.2024	50
Climate literacy through a village level weather	15.02.2024	20
station		
Field day in Wheat Crop	16.03.2024	25

## Photograph of other extension activities



Сгор	Demonstrated technology	Production	Production (Q/ha)		Cost of cultivation (Rs./ha)		Total average income (Rs./ha)		Total Average benefit (Rs./ha)	
		Demonstration	Local	Demonstration	Local	Demonstration	Local	Demonstration	Local	Total benefit /total cost
Sugarcane	Bio-pest control using Tricho-card	897	894	94521	104271	323817	322734	229296	218463	Demonstration- 1 : 3.42 Local - 1 : 3.05
Sugarcane	Bio-Control agent based IPM through Pheromone trap					Result await	ed			
Sugarcane	Demonstration of soil moisture Indicator management in Sugarcane	Result awaited								
Mustard (R.H-725)	Promotion of low water requiring crop	21.95	18.15	24575	25685	124017	102547	99442	76862	Demonstration – 1 : 5.04 Local – 1 :3.99
Mustard (R.H-761)	Promotion of low water requiring crop					Result await	ed			
Wheat (DBW173)	Demonstration of line sowing of wheat using Multi-crop seed drill machine	48.8	43.39	40315	41150	135200	121975	94885	80825	Demonstration – 1 : 3.35 Local – 1 :2.96

## d. Module wise demonstration conducted under the NICRA:

Mulching	Brown mulching in Sugarcane	885	867	93813	102550	319485	312987	225672	210437	Demonstration – 1 : 3.40 Local – 1 :3.05
Napier grass	Promotion of high nutritive fodder variety (Napier Grass)	1500	550	38558	28750	450000	192500	411442	163750	Demonstration – 1 : 11.67 Local – 1 :6.69
Kitchen gardening	To provide more nutrition throughout the year									











## **CENTRE OF EXCELLENCE ON SUGARCANE**

#### a. Awareness programmes conducted (like training, Workshop etc) under COE Sugarcane:

Date	Venue	Торіс	No. of parti.						
26-02-2024	KVK, Baghpat	One day workshop on- Sugarcane Production Technology with sugar	21						
		mill officials and sugarcane department.							
12-03-2024	Kakor	Farmers Awareness Programme- Sugarcane Production Technology.	30						
13-03-2024	Mo.Nangla	Farmers Awareness Programme- Sugarcane Production Technology.	31						
14-03-2024	Daulatpur	Farmers Awareness Programme- Sugarcane Production Technology.	50						
	Total								



Workshop on "Sugarcane Production Technology" sugar mill officials and sugarcane dept..



Farmers Awareness Programme- Sugarcane Production Technology.



Farmers Awareness Programme- Sugarcane Production Technology

b. No. of farmers were benefitted through WhatsApp group during the year 2023-24: 467



No of farmers were benefitted through whatsAapp group during the year: 467

c. VIP Visits at COE on Sugarcane during the year 2023-24:



Sh. Surya Pratap Shahi, Agriculture Minister, U.P. and Director Extension SVPUA&T, Meeut



Sh. Jaswant Singh Saini, Industrial Development Minister, Distt. Baghpat