APR SUMMARY
(January to December, 2023)

1. Training Programmes

Clientele	No. of Courses	Male	Female	Total participants
Farmers & farm women	83	1350	372	1722
Rural youths	06	49	11	60
Extension functionaries	18	239	179	418
Sponsored Training	01	44	08	52
Vocational Training	-	-	-	-
Total	**108**	**1682**	**570**	**2252**

2. Frontline demonstrations

Enterprise	No. of Farmers	Area (ha)	Units/Animals
Oilseeds	175	66.00	-
Pulses	56	24.00	-
Cereals	53	16.88	-
Vegetables	62	15.60	-
Other crops	12	1.0	-
Hybrid crops	-	-	-
Total	**358**	**123.48**	-
Livestock & Fisheries	28	-	28
Other enterprises	80	0.9	-
Total	**108**	**0.9**	**28**
Grand Total	**466**	**124.38**	**28**

3. Technology Assessment & Refinement

Category	No. of Technology Assessed	No. of Trials	No. of Farmers
Technology Assessed			
Crops	12	56	56
Livestock	1	1	13
Various enterprises	1	12	12
Total	**14**	**69**	**81**
Technology Refined			
Crops	-	-	-
Livestock	-	-	-
Various enterprises	-	-	-
Total	-	-	-
Grand Total	**14**	**69**	**81**

4. Extension Programmes

Category	No. of Programmes	Total Participants
Extension activities	711	12031
Other extension activities (on KVK Portal)	446	11937
Total	**1157**	**23968**

5. Mobile Advisory Services

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weather	Marke-ting	Aware-ness	Other enterprise	Total
Baghpat	Text only	256	12	115	6	35	7	**431**
	Voice only	124	0	5	0	32	41	**202**
	Voice & Text both	110	0	0	4	13	7	**134**
	Total Messages	**490**	**12**	**120**	**10**	**80**	**55**	
	Total farmers Benefitted	**6057**	**94**	**2389**	**32**	**1585**	**65**	

6. Seed & Planting Material Production

	Quintal/Number	Value Rs.
Seed (q)	365.97	706915.00
Planting material (No.)	-	-
Bio-Products (kg)	-	-
Livestock Production (No.)	-	-
Fishery production (No.)	-	-

7. Soil, water & plant Analysis

Samples	No. of farmers	Value Rs.
Soil	832	10,140.00
Water	193	-
Plant	-	-
Total	**1025**	**10,140.00**

8. HRD and Publications

Sr. No.	Category	Number	No. of participants
1	Workshops	01	289
2	Conferences	02	233
3	Meetings	04	141
4	Trainings for KVK officials	06	197
5	Visits of KVK officials	06	38
6	Book published	04	-
7	Training Manual	0	-
8	Book chapters	12	-
9	Research papers	03	-
10	Lead papers	0	-
11	Seminar papers	0	-
12	Extension folder	03	-
13	Proceedings	01	-
14	Award & recognition	-	-
15	On going research projects	02	-

9. Flagship Programme & Special Programme

Sr. No.	Name of Programme	No. of Pragramme	No. of participants
1	**Flagship Programme**	01	120
2	**Special Programme**	12	962

DETAIL REPORT OF APR

(January to December, 2023)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail	Website
Krishi Vigyan Kendra, Khekra, NH 709B (Behind New Tehsil) Baghpat – 250101 Website: baghpat.kvk4.in	Office	FAX	kvkbaghpat2@gmail.com	http://baghpat.kvk4.in
	-	-		

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

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

1.2.b. Status of KVK website : Yes; Date when the website last updated:

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

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

a) No. of PC units : 03
b) No. of Printers :01
c) Internet connection : Yes

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

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

1.4. Year of sanction: 2004

1.5. Staff Position (as on 31st December, 2023)

S.N.	Name of the Incumbent	Designation	Discipline	Pay Scale (Rs.) & GPay	Date of Joining	Permanent/ Temporary	Mobile No.	Email Id	Photograph
1	Dr. Laxmikant	Prof. & Head	Plant Pathology	37400-67000 GP-10000	26/04/1995	Permanent	9411215276	laxmikantkvk@gmail.com	
2	Smt. Anita Yadav	SMS/Asstt. Professor	Home Science	37400-67000 GP-9000	29/07/1995	Permanent	7599089053	anitay1517@gmail.com	
3	Sh. Amit Chaudhary	SMS/Asstt. Professor	Horticulture	15600-39100 GP-6000	09/12/2003	Permanent	9897060189	amitchaudhary1368@gmail.com	
4	Dr. Vikas Kumar	SMS/Asstt. Professor	Plant Breeding	15600-39100 GP-8000	26/12/2008	Permanent	9411448594	dr.vikassvpuat@gmail.com	
5	Dr. Shivam Singh	SMS/T6	Plant Protection	15600-39100 GP-5400	01/07/2022	Permanent	7054013030	shivamsinghpatho@gmail.com	
6	Er. Gaurav Sharma	SMS/T6	Ag. Engineering	15600-39100 GP-5400	08/07/2022	Permanent	6260846434	gaurav.swce@gmail.com	
7	Dr. Ravindra Kumar	Prog. Assistant/ F.M.	Soil Science	9300-34800 GP-4800	02/08/2007	Permanent	8923482015	malikrk007@gmail.com	
8	Sh. Sanjeev Chandel	Accountant	Accountancy	9300-34800 GP-4800	10/12/2003	Permanent	9410860477	sanjeevchandel2012@gmail.com	
9	Sh. Praveen Kumar Premi	Steno	-	5200-20200 GP-2800	26/12/2008	Permanent	9718476096	pkpremi1975@gmail.com	
10	Sh. S. C. Sharma	Watchman	-	5200-20200 GP-2400	01/12/1992	Permanent	8909924054	kvksalek@gmail.com	

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:

A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	-	510	43.65	-	-	-
2.	Farmers Hostel	ICAR	-	300	22.92	-	-	-
3.	Staff Quarters (6)	ICAR	-	400	26.72	-	-	-
4.	Demonstration Units (2)	ICAR	-	160	11.06	-	-	-
5	Fencing	ICAR	-	2000 RM	38.43	-	-	-
6	Rain Water harvesting system	ICAR	-	1000RM	8.26	-	-	-
7	Threshing floor	ICAR	-	300	2.34	-	-	-
8	Farm godown	ICAR	-	60	3.63	-	-	-

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Mahindra Marshal Jeep	Not available	-	-	-
Motor Cycle	2006	46575.00	109193	Not Good

C) Equipments & 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. A). Details SAC meeting* conducted in the year (23.11.2022)

S.No.	Name	Designation
01	Dr.K.K. Singh	Honorable Vice-Chancellor, SVPUAT, Meerut (UP)
02	Dr. P.K. Singh	Director Extension, SVPUAT, Meerut (UP)
03	Sh. Prasant Kumar	D.D. Agriculture, Baghpat
04	Dr. Ajit Kumar Yadav	Director, CCS National Institute of Animal Health, Baghpat
05	Sh. Balgovind Yadav	District Agriculture Officer, Baghpat
06	Dr. Sandeep Pal	B.S.A. (Agri.)/ PPO, Baghpat
07	Sh. Dharmendar Tomar	Member, Agriculture Entrepreneur, Village Basoli, Baghpat
08	Sh. Vijay Singh	Member, Progressive farmer, Sunhera
09	Smt. Meera Devi	Member, SHG, Village Gothra, Baghpat

10	Smt. Kavita Yadav	Member, Progressive Mahila Farmer, Village Budseni, Baghpat
11	Dr. Mukesh Kumar	Professor (Agronomy), SVPUAT, Meerut (UP)
12	Dr. S.K. Tripathi	Asstt. Prof., SVPUAT, Meerut (UP)
13	Sh. Shomesh Puri	AGM, NABARD, Baghpat
14	Dr. Ramesh Chandra	CVO, Baghpat
15	Dr. Anil Kumar Bharti	District Sugarcane Officer, Baghpat
16	Sh. Dinesh Kumar Arun	District Horticulture Officer, Baghpat
17	Sh. Rajbeer Singh	Director, Phasal Kranti Foundation, New Delhi
18	Sh. Surendra Yadav	Progressive farmer, Budseni, Baghpat
19	Sh. Manoj Kumar	Progressive farmer, Baghpat
20	Sh. Pankaj Chaudhary	Progressive farmer, Bijrol, Baghpat
21	Dr. Sandeep Chaudhary	Professor/OIC, Krishi Vigyan Kendra, Baghpat
22	Dr. Sarita Joshi	Professor (Home Sciece), Krishi Vigyan Kendra, Baghpat
23	Sh. Amit Charudhary	S.M.S./Asstt. Prof. (Horti.), Krishi Vigyan Kendra, Baghpat
24	Dr. Shivam Singh	S.M.S./T-6 (P.P.), Krishi Vigyan Kendra, Baghpat
25	Dr. Sonika Grewal	S.M.S./T-6 (Livestock Production), Krishi Vigyan Kendra, Baghpat
26	Er. Gaurav Sharma	S.M.S./T-6 (Agri. Eng.), Krishi Vigyan Kendra, Baghpat
27	Dr. Ravindar Kumar	Prog. Asstt./Farm Manager, Krishi Vigyan Kendra, Baghpat
28	Smt. Ankita Negi	SMS, Agromet (DAMU), Krishi Vigyan Kendra, Baghpat
29	Sh. Dev Kumar	SRF (NICRA), Krishi Vigyan Kendra, Baghpat
30	Sh. Sanjeev Chandel	OS cum Acctt., Krishi Vigyan Kendra, Baghpat
31	Sh. Praveen Kumar Premi	Stenographer, Krishi Vigyan Kendra, Baghpat
32	Sh. Shadab	Agromet Observer (DAMU), Krishi Vigyan Kendra, Baghpat
33	Sh. Salekh Chand Sharma	Watchman, Krishi Vigyan Kendra, Baghpat
34	Sh. Pradeep Rana	Media, Khekra, Baghpat
35	Sh. Imran Khan	Patrakar, Khekra, Baghpat
36	Smt. Preeti	Progressive woman farmer, Baghpat

S.No.	Salient Recommendations	Action taken
1.	Hon'ble Vice-Chancellor sir gave direction to increase the No. of farmer's visit to KVK & demonstrated them the various functional units of KVK.	As per direction of Hon'ble Vice-Chancellor total 4036 farmers visited the KVK. They have been demonstrated various functional units of KVK.
2.	Honorable Vice-Chancellor sir instructed to purchase drudgery reduction tools for farm women & to popularize them among farm women for reducing drudgery.	9 tools namely modified Khupi/Khurpa, Serrated sicple, wheel hand roe, spring steel tines, soil crumbler, ridge row maker, multi seeder plus, Gardening tiller set, Cycle weeder have been purchased recently. The same would be demonstrated & popularized among farm women for reducing drudgery.
3.	Honorable Vice-Chancellor sir directed to maintain fish pond in technical way.	The same would be maintained as per Vice Chancellor's suggestion.
4.	Director extension showed his dissatisfaction on soil testing & instructed to full fill the target of soil testing.	Total 310 soil testing samples brought by farmers have been tested.
5.	D.D.M., NABARD insisted to make farm women aware about value addition of millets.	5 awareness programmes on value addition of millets in various village namely Firozpur, Jonmana, Nethla, Badka & KVK have been organized and total 100 farm women have been benefited. Training to SHG have been imparted under Project "Shree Anna Café run by NRLM in the direction of D.M. Baghpat. One workshop have been organized for extension functionaries (Anganwadi workers).
6.	Sh. Manoj Kumar progressive farmer of village Badagaon insisted	Technical information about M.B. Plough, weeder, boom sprayer & have been provided to the farmers as per their

	to provide all the technical information of agriculture machinery & equipments related to various crops like sugarcane, rice, wheat etc.	requirement under centre & excellence.
7.	Director, Institute of Animal Health, Baghpat suggested to work on prevention of animals from stress & diseases.	As per suggestion of Director, (NAHI), Baghpat. 9 trainings have been conducted & the no. of beneficiaries were 180.
8.	DHO, Baghpat suggested to provide the information on latest variety of seeds of fruits & vegetable & also provide the advisory for high-tech cultivation of fruits & vegetable.	12 training programmes have been conducted where farmers have been provided the information regarding high yielding seed variety of fruits & vegetables and they have also been advised for early vegetable production technology through low polly tunnel.
9.	District sugarcane officer suggested to organize trainings on sugarcane nursery to the women farmer.	3 training programme on sugarcane nursery have been conducted & total 18 women farmer benifited.
10.	D.D.M., NABARD suggested to prepare a project on value addition for farm women through NABARD	It has been discussed with the D.D.M. NABARD and the same would be submitted shortly.
11.	D.D. Agriculture suggested to provide new technology for farmers and also insisted for diversification .	Farmers have been motivated for diversification (cultivation of dragon fruit).

Note : This yellow mark may be treated as an example
**** Attach a copy of SAC proceedings along with list of participants***

2. DETAILS OF DISTRICT (31st March, 2023)

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^{O}C and 3^{O}C respectively with average rainfall is about 512.69 mm in last 11 year

2.3 Soil type

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

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

S. No	Crops	Area ('000 ha)	Production (Qtl)	Productivity (Qtl /ha)
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

2.5. Weather data

Year	Month	Rainfall (mm)	Temperature ^{0}C		Relative Humidity (%)	
			Maximum	Minimum	Maximum	Minimum
2023	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
	June	159.0	37.1	25.7	89.6	41.6
	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	6.5	33.5	18.5	100	45.8
	November	7.0	27.8	13.9	100	31.6
	December	1.0	22.6	8.8	100	40.9
Total		**769.00**	**31.2**	**18.3**	**94.14**	**39.48**

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

Category	Population	Production	Productivity
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	-	-
Pigs			
Crossbred	442	-	-
Indigenous	3138	-	-
Rabbits			
Poultry			
Hens			
Desi	39596	-	-
Improved			
Ducks			
Turkey and others			

Category	Area	Production	Productivity
Fish	53.843 Ha.	1615.99Q	30Q/Ha.
Marine			
Inland			
Prawn			
Scampi			
Shrimp			

2.7 Details of Operational area / Villages (31st March, 2023)

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	1. Low production in late sown wheat 2. Weed infestation in wheat 3. Reducing production 4. White grub attack in sugarcane. 5. Red rot in sugarcane 6. Late sowing of sugarcane due to wheat- sugarcane system 7. No use of potash in all crops 8. Deficiency of minor elements and organic matter in soil 9. Depletion of ground water 10. Low production of old orchards 11. Insect attack in vegetables 12. . Low production of milk health. in cow & buffalo. 13. Long dry period in milch animals 14. Undeveloped marketing system of Agriculture of produces 15. Less net return in sugarcane based cropping system. 16. Infertility in buffalo and cow and poor health of animal	a. Increase productivity of wheat in late sown conditions. b. Increase milk production in Buffalos. c. Balance use of fertilizer in sugarcane. d. Balance use of fertilizer in wheat. e. Weed management in wheat. f. Management of pests in sugarcane g. Creating awareness about human nutrition /nutritional needs to mitigate the problems of nutritional deficiency in rural woman & children. h. Management of mango orchards. i. Pest and weed management in paddy j. Maintenance of soil k. Disease management in okra. l. Promotion of oilseed and pulse crops. m. Intercropping with sugarcane. n. Balance diet with mineral mixture and vaccination to animals. o. Renovation of old orchards
2.	Baghpat	Baghpat	47	Dairy Sugarcane, paddy, wheat, fodder & vegetables		
		Pilana	49	Dairy Sugarcane, paddy, wheat, mustard, moong, arhar& poultry		
3.	Baraut	Baraut	50	Dairy, Sugarcane, wheat, fodder & vegetables crop		
		Chhaprauli	26	Dairy, sugarcane, wheat. Fodder & vegetable crops		
		Binauli	65			

2.8 Priority/thrust areas

S. No.	Crop/Enterprise	Thrust area
1	Wheat	Varietal Evaluation
		Weed management.
		Integrated Disease Management
2	Sugarcane	Intenerated Nutrient Management
		Integrated Pest Management
3	Paddy	Varietal Evaluation
		Integrated Pest Management
4	Oilseed and Pulses	Integrated Nutrient Management
		Integrated Pest Management
		Integrated Disease Management
5	Vegetable	Integrated Pest Management
6	Nutri-garden	Creating awareness about human nutrition (nutritional needs to mitigate the problems of nutritional deficiency in rural woman
7	Soil	Soil moisture conservation

3. TECHNICAL ACHIEVEMENTS

3. TECHNICAL ACHIEVEMENTS

3.A. Details of target and achievements of mandatory activities by KVK during 2023

OFT (Technology Assessment and Refinement)				FLD (Oilseeds, Pulses, Cotton, Other Crops/Enterprises)			
1				2			
Number of OFTs		Total no. of Trials		Area in ha		Number of Farmers	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
12	05	60	37	200	52.88	200	236

Training (including sponsored, vocational and other trainings carried under Rainwater Harvesting Unit)					Extension Activities			
3					4			
Number of Courses			Number of Participants		Number of activities		Number of participants	
Clientele	Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
Farmers	75	83	1500	1722	400	711	4000	12031
Rural youth	05	6	50	60				
Extn. Functionaries	20	18	450	418				
Total	100	107	2000	2252	400	711	4000	12031

Seed Production (q)			Planting material (Nos.)		
5			6		
Target	Achievement	Distributed to no. of farmers	Target	Achievement	Distributed to no. of farmers
200.00	365.97	Supply to NSC, Meerut	20000	3500	

I.A TECHNOLOGY ASSESSMENT

Summary of technologies assessed under various crops by KVKs

Thematic areas	Crop	Name of the technology assessed	No. of trials	No. of farmers
Intercropping	Turmeric	Intercropping of Turmeric with Mango orchard	03	03
Varietal Evaluation	Wheat	Varietal evaluation of timely sown wheat.	03	03
	Wheat	Varietal evaluation of late sown wheat for yellow rust	03	03
	Pea	Varietal evaluation of vegetable pea	03	03
	Paddy	Assessment of latest variety of paddy (PB 1847).	03	03
	Paddy	Assessment of varietal evaluation of scented rice (Pusa 1718).	03	03
Integrated Pest Management	Paddy	Control of brown plant hopper in paddy	16	16
	Sugarcane	Control of white grub in sugarcane.	03	03
	Potato	Evaluation of fungicide against Early & late Blight disease in potato	10	10
Farm Machineries	Sugarcane	Deep ploughing before plantation of sugarcane using disc plough during winter season	03	03
	Sugarcane	Deep ploughing before plantation of sugarcane using Reversible M.B. Plough during spring season	03	03
Drudgery Reduction	Onion	Use of Twin wheel hoe for drudgery reduction and efficiency enhancement of farm women involved in weeding onion.	03	03
		Total	**56**	**56**

Summary of technologies assessed under livestock by KVKs

Thematic areas	Name of the livestock enterprise	Name of the technology assessed	No. of trials	No. of farmers
Disease Management	Buffalo	Evaluation of mineral mixture along with dewormer to check the infertility in dairy animals	01	13
		Total	**01**	**13**

Summary of technologies assessed under various enterprises by KVKs

Thematic areas	Enterprise	Name of the technology assessed	No. of trials	No. of farmers
Nutritional security / fortification	Food Fortification	Supplementation of fortified wheat flour/ multigrain flour [wheat flour 75% +grain flour 20% + Barley flour 5%] for 180 days.	12	12
		Total	**12**	**12**

I.B. TECHNOLOGY ASSESSMENT IN DETAIL

INTERCROPPING
(Rabi 2022-23)

Problem definition: *Low yield of Mango.*
Technology Assessed (as the case may be): *Intercropping of Turmeric with mango.*

KVK Baghpat has conducted On Farm Trial on "Haldi (Turmeric) crop with intercropping in mango orchard variety@Prabha" under farmer practices only mango cultivation. Farmer gain low income only mango orchard but with intercropping in mango orchard. Haldi can gain more income obtained with the cultivation of mango orchard. 6.55 qt yield extra and income gain 14460/- ha.

Technology Option	No. of trials	Area (ha.)	Yield (q/ha)	Increase in yield (%)	Cost of cultivation (Rs)	Gross returns (Rs)	Net returns (Rs)	CB ratio (Rs)
T_1: Mango (Farmers Practice)	03	0.015	5.5	-	6400	15675	9275	1:2.4
T_2 :Mango with Turmeric (ver. Prabha)			7.6	2.6	7200	21660	14460	1:3.0

Sale rate (Rs/q) =Mango @ 3500/q. & Turmeric @ 2200/q. Average @2850/-q.

Farmers Feedback: With the cultivation of Turmeric in mango orchard farmer can gain more income.

VARIETAL EVALUATION
(Rabi 2022-23)

Problem definition: *Low yield of existing variety.*
Technology Assessed (as the case may be): *Varietal evaluation of timely sown wheat.*

KVK Baghpat has conducted On Farm Trial on "Varietal evaluation of timely sown wheat" testing variety of wheat DBW 303 (Karan Vaishnavi) along with variety HD 2967 under farmer practice. The results obtained from the trial showed that the variety DBW 303 performed higher yield 64.50 q/ha than HD 2967 with 53.25 qt/ha. DBW 303 gained maximum net profit (Rs./ha.) Rs. 113434 in comparison to Rs. 83528 from HD 2967.

Technology Option	No. of trials	Area (ha.)	Yield (q/ha)	Increase in yield (%)	Cost of cultivation (Rs)	Gross returns (Rs)	Net returns (Rs)	CB ratio (Rs)
T_1: HD 2967 (Farmers Practice)	03	0.60	53.25	-	62682	146156	83528	1:2.30
T_2 :DBW 303		0.60	64.50	21	62682	176062	113434	1:2.81

Sale rate (Rs/q) =Wheat @ 2125/q. & Straw @ 600/q (65 q in Demo & 55 q in local).

Farmers Feedback: The variety DBW 303 was found better in terms of high yield.

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.)	Yield (q/ha)	Increase in yield (%)	Cost of cultivation (Rs)	Gross returns (Rs)	Net returns (Rs)	CB ratio (Rs)
T_1: PBW 173 (Farmers Practice)	03	**RESULT AWAITED**						
T_2 :DBW 173								

(Rabi 2023-24)

Problem definition: *Use of local variety.*
Technology Assessed (as the case may be): *Varietal evaluation of vegetable pea.*

Technology Option	No. of trials	Area (ha.)	Yield (q/ha)	Increase in yield (%)	Cost of cultivation (Rs)	Gross returns (Rs)	Net returns (Rs)	CB ratio (Rs)
T_1: Local variety Arkil (Farmers Practice)	03	**RESULT AWAITED**						
T_2 :PSM-5								

(Kharif 2023)

Problem definition: *Low yield of existing variety.*
Technology Assessed *Assessment of latest variety of paddy* (PB 1847).

Technology Option	No. of trials	Area (ha.)	Yield (q/ha)	Increase in yield (%)	Cost of cultivation (Rs/ha.)	Gro (Rs/	Net (Rs	B (R
T_1 : Farmer Practice (PB 1509)	03	**RESULT AWAITED**						
T_2: PB 1847								

(Kharif 2023)

Problem definition: *Low production of Old variety and more pest infestation.*
Technology Assessed: Assessment of varietal evaluation of scented rice (Pusa 1718).

Technology Option	No. of trials	Area (ha.)	Yield (q/ha)	Increase in yield (%)	Cost of cultivation (Rs/ha.)	Gro (Rs/	Net (Rs	B (R
T_1 : Farmer Practice (PB 1121)	03	**RESULT AWAITED**						
T_2: PB 1718								

INTEGRATED PEST & DISEASE MANAGEMENT

(Zaid 2023)

Problem definition: Heavy infestation of white grub effecting in a yield loss of 15-30%

Technology assessed or refined (as the case may be): Control of white grub in sugarcane.

KVK, Baghpat in Uttar Pradesh 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 to control of white grub in sugarcane

Technology Option	No.of trials	Per cent deduction	Yield (q/ha)	% Increase in yield over farmer's practice	B:C Ratio
T_1 : Farmers Practice (Spray of Phorate 10G @ 5 kg/acre)	03	**RESULT AWAITED**			
T_2 : Spray of Fipronil 40% + Imidacloprid 40% WG @ 200 g/acre					

(Rabi 2023-24)

Problem definition: *Heavy infection of Early & late Blight disease in potato.*
Technology Assessed (as the case may be): *Evaluation of fungicide against Early & late Blight disease in potato*
.

Technology Option	No. of trials	Area (ha.)	Yield (q/ha)	Increase in yield (%)	Cost of cultivation (Rs)	Gross returns (Rs)	Net returns (Rs)	CB ratio (Rs)
T_1: Farmers Practice (Spray of Metalaxyl 8%+Mancozeb 64% @ 500gm/acre)	10	**RESULT AWAITED**						
T_2 :Spray of Azoxystrobin 11%+Tebuconazole 18.3% @300ml /acre								

(Kharif 2023)

Problem definition: Heavy infestation of Brown plant hopper effecting in a yield loss of 15-30%

Technology assessed or refined (as the case may be): Control of Brown plant hopper in paddy.

KVK, Baghpat in Uttar Pradesh conducted an on-farm trial on insecticide evaluation to control Brown plant hopper in paddy to check the efficacy of new insecticide Dinetofuran 20 SG.

Table: Effect of insecticides to Control of Brown plant hopper in paddy

Technology Option	No. of trials	Per cent deduction		Yield (q/ha)	% Increase in yield over farmer's practice	Cost of cultivation (Rs)	Gross returns (Rs)	Net returns (Rs)	B:C Ratio
	16	Ist spray	IInd spray						
T_1 : Farmers Practice (Spray of		43.16	75.65	30.43		38,000.00	115,634.00	77,634.00	1:3.04

Pymetrozine 50WG @ 120 kg/acre)									
T_2 : Spray of Dinetofuran 20 SG @ 100 g/acre		50.90	94.18	36.81	20.97	37,500.00	139,878.00	102,378.00	1:3.73

FARM MACHINERIES

(Rabi 2022-23)

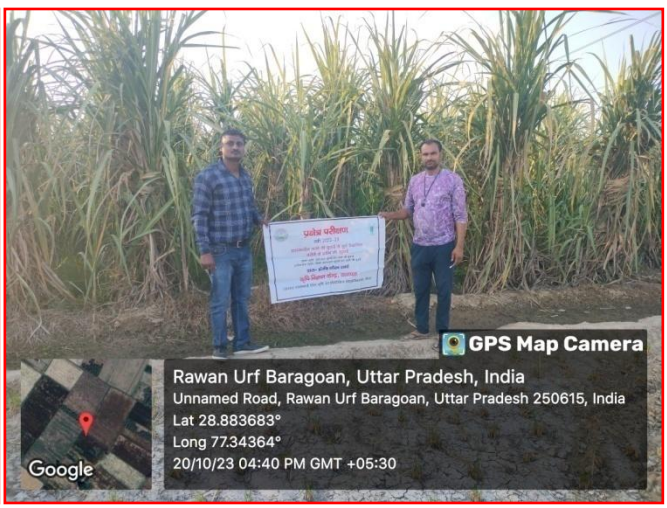
Problem definition: Low sugarcane productivity, soil born infestation, and high weed growth due to no performing of deep ploughing

Technology Assessed (as the case may be): Effects of deep ploughing in Sugarcane using Disc Plough

Production system and thematic area: Mechanization, **Crop:** Sugarcane

Table: ***Effect of deep ploughing in terms of gain in production***

Technology Option	No. of trials	Area (ha.)	Yield (q/ha)	Increase in yield (%)	Cost of cultivation (Rs/ha.)	Gross returns (Rs/ha.)	Net returns (Rs/ha.)	B:C ratio (Rs)
T_1 : Farmers Practice (Planting of sugarcane after ploughing by harrow)	**03**	**0.40**	**RESULT AWAITED**					
T_2: Planting of sugarcane after ploughing by Disc Plough		**0.40**						



(Zaid 2023)

Problem definition: Low sugarcane productivity, soil born infestation, and high weed growth due to no performing of deep ploughing

Technology Assessed (as the case may be): Effects of deep ploughing in Sugarcane using Reversible M.B. Plough

Production system and thematic area: Mechanization, **Crop:** Sugarcane

Table: ***Effect of deep ploughing in terms of gain in production***

Technology Option	No. of trials	Area (ha.)	Yield (q/ha)	Increase in yield (%)	Cost of cultivation (Rs/ha.)	Gross returns (Rs/ha.)	Net returns (Rs/ha.)	B:C ratio (Rs)
T_1: Farmers Practice (Planting of sugarcane after ploughing by harrow)	**03**	**0.40**	**RESULT AWAITED**					
T_2.: Planting of sugarcane after ploughing by Reversible M.B. Plough		**0.40**						

DRUDGERY REDUCTION
(Rabi 2022-23)

Problem definition: Low work efficiency and high drudgery of farm women during weeding in onion

Technology Assessed : Use of Twin wheel hoe for drudgery reduction and efficiency enhancement of farm women involved in weeding onion.

Many agriculture operations are performed by women involve a lot of physical strain. Weeding is one of them.Traditionaly khurpi is being used in Baghpat. In order to enhance the efficiency and reducing drudgery, Krishi Vigyan Kendra, Baghpat conducted a trial by introducing twin wheel hoe as T2 (technology option 2) for weeding of onion against traditional khurpi as farmer practice T1 (technology option 1) on three locations. Results revealed that the activity became less drudgery prone as the perceived exertion has been reduced from severe to mild when work is performed by T2 and The output is increased by 90.08%.

Result:

Technology	Parameter	Data	Result
T_1: Farmers Practice (Use of khurpi for weeding onion)	Output m^{*2}/hr Average working heart rate (b/min) EER (KJ /min) Rate of perceived exertion (Pain in legs and upper arms) (on 5 point scale)	62.5 105.50 Moderately heavy	• The output is increased by 157.2% when the work was performed by T2 (Twin wheel hoe) • Secondly the activity became less drudgery prone as the rate of perceived exertion found

T_2: Use of twin wheel hoe for weeding onion	Output m*2/hr Average working heart rate (b/min) EER (b/m) Rate of perceived exertion (on 5 point scale) Pain in legs and upper arms) (on 5 point scale)	160.75 112 Light	moderately heavy (in case of T1 to light as in case of T2

OTHERS

NUTRITIONAL SECURITY / FORTIFICATION
(Kharif 2023)

Problem definition : Low nutritional status/mal nutriation among farm women

Technology assessed : Supplementation of fortified wheat flour/ multigrain flour [wheat flour 75% +grain flour 20% + Barley flour 5%] for 180 days.

It has been found that majority of farm women suffer from iron deficiency and they complain general health problem (fatigue back ache, head ache). KVK Baghpat conducted trial by assessment of effective supplementation of fortified wheat flour for improvement of nutritional status of farm women by providing / multigrain flour [wheat flour 75% +gram flour 20% + Barley flour 5%] for 180 days (T2) against consumption of 100% wheat flour (T1) as their staple diet. Gram and barley have been provided as input to the subjects for the period of **180 days**. Result revealed that nutritional value of nutrients obtained by the subject adopting T2 practice (as depicted in nutritional parameter table) is higher as compared to T1. Similarly value of BMI & HB level were also found increased from 9.32 (T1) to 10.45 (T2).

Results:

Physical parameter

Technology	No. of trials	Quantity required/ day	Duration (day)`	Height (cm)	Weight (kg)	BMI	% change in BMI	HB level	% change in HB level
T_1- Farmers Practice (use of wheat flour)	12	185	180	**RESULT AWAITED**					
T_2- Use of fortified flour									

*__Note__: The standard range of BMI Level lies between 18-24.

**__Note__: The standard range of H.B. Level lies between 11-17.

LIVE STOCK ENTERPRISES

(Rabi 2022-23)

Problem definition: High incidence of infertility in dairy animals.

Technology Assessed: Evaluation of mineral mixture along with dewormer to check the infertility in dairy animals

KVK, Baghpat conducted trial to find out suitable measure for the management of infertility in dairy animals as the recommended practice could not stop the infertility in the animals. The technology recommended was fine tuned by including the use of mineral mixer and dewormer for the management of infertilities.

Table Effect of mineral mixture to control of infertility in animals

Technology Option	No.of trials	Per cent of conception rate
T_1- Farmers practice (Use of choker and commend salt)	01	20
T_2-Use of mineral mixture @50gm/animal for 90 days+dewormer/animal (Recommended practice)		61

II. FRONTLINE DEMONSTRATION

a. Details of FLDs implemented during Jan to Dec 2023

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

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall
					Proposed	Actual	SC/ ST	Others	Total	
OILSEED										
1	Mustard	Varietal evaluation	Improved variety RH 725	Rabi 2022-23	20	20	11	41	52	-
2	Mustard	Varietal evaluation	Improved variety RH 749	Rabi 2023-24	10	10	05	28	33	-
3	Mustard	Varietal evaluation	Improved variety RH 749	Rabi 2023-24	30	24	04	56	60	-
4	Mustard	IPM	Biological control of Aphid	Rabi 2023-24	12	12	02	28	30	-
PULSES										
1	Field Pea	Varietal evaluation	IPFD-12-2	Rabi 2022-23	20	20	10	36	46	
2	Blackgram	IDM	Management of yellow mosaic disease	Kharif 2023	04	04	0	10	10	
CEREALS										
1	Paddy	Varietal evaluation	PB 1718	Kharif 2023	04	04	0	10	10	
2	Paddy	Mechanization	Rice transplanting using Hand-cranked Rice transplanter	Kharif 2023	0.48	0.48	0	6	6	
3	Wheat	IDM	Management of wheat rust by Propiconazole 25% EC	Rabi 2022-23	04	04	0	10	10	
4	Wheat	Soil moisture conservation	Pusa Hydrogel	Rabi 2022-23	1.6	1.6	0	10	10	
5	Wheat	Varietal evaluation	DBW 303	Rabi 2023-24	6.80	6.80	0	17	17	
Horticultural crops										
1	Bitter guard	Varietal evaluation	Improved variety Pusa Vishesh or Heerakarni	Kharif 2023	0.9	0.9	02	08	10	
2	Onion	Varietal evaluation	AFDR	Rabi 2023-24	1.2	1.2	02	12	14	
3	Carrot	Varietal evaluation	Pusa Rudira	Rabi 2023-	1.5	1.5	0	8	8	

				24						
4	Tomato	IDM	Management of leaf curl disease	Rabi 2023-24	12	12	5	25	30	
Kitchen gardening										
1	Vegetables	Nutritional food security	Availability of season vegetables	Rabi 2022-23	0.3	0.3	02	18	20	
2	Vegetables	Nutritional food security	Availability of season vegetables	Zaid 2023	0.3	0.3	02	28	30	
3	Vegetables	Nutritional food security	Cultivation of fruits & vegetables round the year	Kharif 2023	0.3	0.3	02	28	30	
Fodder Crops										
1	Makkhan Grass	Fodder production	Production of green fodder	Rabi-2022-23	1.0	1.0	00	12	12	
Livestock										
1	Cattle	Disease management	Dewormer	Zaid 2023	-	-	02	26	28	

Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organised	Date	Number of participants	Remarks
1	Field days	05	Jan 2022 to Dec., 2023	165	
2	Farmers Training	12	Jan 2022 to Dec., 2023	141	
3	Media coverage	18	Jan 2022 to Dec., 2023	Mass	
4	Training for extension functionaries	04	Jan 2022 to Dec., 2023	76	

Performance of Frontline demonstrations

Frontline demonstrations on oilseed crops

Crop	Thematic Area	technology demonstrated	Variety	No. of Farmers	Area (ha)	Parameters name (No. of branches, No. of tillers, No. of pods or grains per plant, duration (days), No. of plants/sq mt.)	Result of main parameter				% Advantage	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
							Demo plot			Check plot		Demo			Check									
							High	Low	Average			High	Low	Average			Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Mustard (Rabi 2022-23)	Varietal evaluation	Evaluation of improved variety RH-725	RH-725	52	20	No. of siliqua per plant	324	221	256	209	22.48	31.25	21.25	25.61	21.02	21.83	36500	139574	103074	1:3.82	36000	114559	78559	1:3.18
Mustard (Rabi 2023-24)	Varietal evaluation	Evaluation of improved variety RH-749	RH-749	33	10	RESULT AWAITED																		
Mustard (Rabi 2023-24)	Varietal evaluation	Evaluation of improved variety RH-749	RH-749	60	24	RESULT AWAITED																		
Mustard (Rabi 2023-24)	IPM	Biological control of Aphid	RH-749/ RH-725	30	12	RESULT AWAITED																		

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

** BCR= GROSS RETURN/GROSS COST

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 (Sesamum GJT-5) was good & the production was found satisfactory as compared to farmers' practice.	-
2	• New improved variety of Mustard (RH 725) was procured from CCSHAU, Hisar & provided to the farmers • Height of the plants was very good (>6 fit) & no. of siliqua (209 per plant) was recorded. • Production of crops (25.61 q/ha) was very good & farmers were very happy • Disease & pest infestation was very less	To promote RH-725 variety of mustard in farmer community

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.

Frontline demonstration on pulse crops

Crop	Thematic Area	technology demonstrated	Variety	No. of Farmers	Area (ha)	Parameters name (No. of branches, No. of tillers, No. of pods or grains per plant, duration (days), No. of plants/sq mt.)	Result of main parameter				% Advantage	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
							Demo plot			Check plot		Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
							High	Low	Average			High	Low	Average										
Blackgram (Kharif 2023)	IDM	Management of yellow mosaic disease	-	10	4.0	No. of White fly	3.38	2.65	2.93	7.79	62.39	7.50	6.25	6.76	5.34	26.59	18000.00	35828.00	17828.00	1:1.99	17500.00	28302.00	10802.00	1:1.62
						Disease %	15.37	14.28	14.91	27.98	46.71													
																								
Fieldpea (Rabi 2022-23)	Varietal evaluation	Evaluation of improved variety IPFD 12-2	IPFD 12-2	46	20	No. of pods per plant	6.33	4.2	5.27	4.6	14.56	23.75	16.25	19.33	15.58	24.06	37000	86985	49985	1:2.35	35600	70110	34510	1:1.97

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

** BCR= GROSS RETURN/GROSS COST

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 (Field pea & Urd) was good & the production was found satisfactory as compared to farmers' practice.	-
2	This variety of Field pea (IPFD 12-2) is recommended for Central Zone (CZ) of India, that's why production of this variety was not upto the mark.	-

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 (for this Zone) must be grown in place of old varieties (farmer practices), so that one can get better production.

FLD on Other crops

Crop	Thematic Area	technology demonstrated	Variety	No. of Farmers	Area (ha)	Parameters name (No. of branches, No. of tillers, No. of pods or grains per plant, duration (days), No. of plants/sq mt.)	Result of main parameter				% Advantage	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
							Demo plot			Check plot		Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
							High	Low	Average			High	Low	Average										
Cereals																								

Paddy (Kharif 2023)	Varietal evaluation	Replacement of old variety Pusa Sugandh 4 (Pusa 1121) by Pusa 1718	PB 1718	10	4	RESULT AWAITED																	
Wheat (Rabi 2022-23)	IDM	Management of wheat rust with the use of Propiconazole 25 EC	HD 2967	10	4	Disease percentage	5.65	3.65	4.51	15.33	70.58	53.75	50	51.63	47.5	8.68	55600	109714	54114	1:1.97	53600	100938	47338	1:1.88
																							
Wheat (Rabi 2022-23)	Soil Moisture Conservation	Pusa Hydrogel @ 2.5 Kg/ha	DBW-222	10	1.6	**No. of plants/sq mt.)** **Spike length (cm)** **No. of grain/spike**	226 13 39	192 10 33	205.2 10.5 34	185 9.29 29	11 13 17	60	52.5	55.5	53.5	3.73	56,500	1,17,937.5	61,437.5	1:2.09	56,500	113687.5	57187.5	1:2
																							

Paddy (Kharif 2023)	Mechanization	Rice transplanting using Hand-cranked Rice transplanter	PB-1692	06	0.48	**Avg. missing hills** **Number of plant/hills** **Avg. field capacity** **Field efficiency**	2-3 3-4 0.027 ha/hr 60%	2 2 0.025 ha/h 45%	2 3 0.025 ha/hr 55%	- 1 - -	- - - -	33.15	31	32.12	30.43	5.26	38000	122056	84056	1:3.21	38000	115634	77634	1:3.04
Wheat (Rabi 2023-24)	Varietal evaluation	High yield ing disease resistance varietal demo	DBW 303	17	6.80	RESULT AWAITED																		
Vegetables /fodder crop																								
(Rabi 2022-23)	Green fodder production	Evaluation of improved variety Makkhan Grass	Makkhan Grass	12	1	Yield	-	-	-	-	-	847.35	781.25	818	758	7.91	18600	125000	106400	1:6.72	17600	93750	76150	1:5.33

Bitter Guard (Kharif 2023)	Varietal evaluation	High yielding variety	Pusa vishesh or Heerakarni	10	0.9	No. of plants/sq mt.)	200	146	173	-	18.4	200	146	173	-	18.4	65200	432500	367300	1:5.6	65200	365000	299800	1:4.5

Onion (Rabi 2023-24)	Varietal evaluation	High yielding variety	AFDR	14	1.2	RESULTS AWAITED
Carrot (Rabi 2023-24)	Varietal evaluation	High yielding variety	Pusa Rudira	08	1.5	RESULTS AWAITED
Tomato (Rabi 2023-24)	IDM	Management of leaf curl disease	Sona	30	12	RESULTS AWAITED

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

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

S. No	**Feed Back for researchers**	**Feedback for line department**
1	• At the time of paddy ripening, 127 mm in September, 36.5 mm in	To promote new variety of paddy (PB 1718) in place of PB 1121

	October, due to which there was an adverse effect on the quality & production of paddy. • Infestation of BPH	
2	• Use of Pymetro zine 50% WG for the control of Brown plant hopper was found very effective in paddy crop as compared to farmers' practice • Farmer appreciated this insecticide which help to control BPH in paddy crop	To promote Pymetro zine 50% WG for the control of Brown plant hopper in paddy crop
3	• Use of Propiconazole 25 EC for the management of wheat rust disease (in HD 2967) was found very as compared to farmers' practice • It could be applied in other rust infected wheat varieties • Farmer appreciated this fungicide which help to manage rust disease in wheat crop	To promote Propiconazole 25 EC for the management of wheat rust disease
4	Soil texture must be known before application of Pusa Hydrogel as lower dose is recommended for clayey soil as compare to sandy soil	To promote Pusa Hydrogel application during the rabi season for soil moisture conservation
5	After the completion the demonstration farmer achieved, increase the yield in comparative local verities uniform size varieties is satisfied for production level.	-
6	Feeding of sugargraze to the animal increase the palatability and milk production	To promote the green fodder production to increase the palatability and milk production
7	Feeding of Makkhan grass increase the milk production & it increased green fodder yield.	To promote multi cut high yielding green fodder varieties to animal feeding.

Technical feedback on specific technologies demonstrated in FLDs

S. No	Feed Back
1	Size of the rice is longer after cooking.
2	Pesticides must be use in recommended doses only and must be repeated twice or thrice for the better result
3	• Soil textural evaluation is recommended before application of Pusa Hydrogel • Should be applied by mixing with dry soil in a ration of 1:10 for uniform distribution in the field
4	Farmer using improved varieties the yield is low than completed the HY varieties after the demonstration farmers is satisfied to yield after using HY verities.
5	Soil testing must be done
6	Proper irrigation practices must be adopted

FLD on Livestock -

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No.of Units (Animal/ Poultry/ Birds, etc)	Major parameters		% change in major parameter	Yield (Kg/animal) or No. of eggs/bird)		Economics of demonstration (Rs.)				Economics of check (Rs.)			
					Demo	Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)

Cattle (Zaid 2023)	Disease Management	Evaluation of mineral mixture along with dewormer to check the infertility in dairy animals	24	28	Result Awaited

FLD on Other Enterprise: Kitchen Gardening

Category and Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of Units	Yield (Kg)		% change in yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
					Demonstration	Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Vegetables of Rabi-2022-23	Nutritional food security	Cultivation of fruits & vegetables round the year	20	20	234	41	82.4	950	7020	6070	1:7.38	350	1230	880	1:3.51
Vegetables of Zaid 2023	Nutritional food security	Cultivation of fruits & vegetables round the year	30	30	150	30	80	95	35	800	3750	2950	1:4.6	300	750
Vegetables of Kharif-2023	Nutritional food security	Cultivation of fruits & vegetables round the year	30	30	170	32	81.17	110	62	800	4250	3450	1:5.3	225	800

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 took less time & taste of vegetables were also found good.	Mini seed kit should be promoted by line department

Technical feedback on specific technologies demonstrated in FLDs

S. No	Feed Back
1	Round the year, fresh & chemical free vegetables fulfilled almost 80% of nutritional requirement of the family member as per RDA (Recommended Dietary Requirement)

FLD on Demonstration details on crop hybrids *(Details of Hybrid FLDs implemented during* **2023***)-Nil*

III. Natural Farming

1) Crop Harvesting Details

Name of KVK	Crop Details Under Demonstration										Date of Sowing	Date of Harvesting
	Natural farming					Farmer's Practice						
	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)		
Baghpat	Paddy	PB-1509	0.4	-	-	Paddy	-	-	-	-	02.07.2023	04.10.2023
	Wheat	DBW- 303	0.2	-	-	Wheat	-	-	-	-	18.11.2023	-

2) Preliminary Soil Data of Natural Farming Field

Name of KVK	Soil data of Demonstrated/KVK Plot	Soil Analysis				Micronutrients				Microbial Analysis				
		N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Organic Carbon (% age)	Fe (Kg/ha)	Mn (Kg/ha)	Zn (Kg/ha)	Copper	Bacterial count (Nos.)	Fungi (Nos.)	Actinomycetes (Nos.)	Phosphorus Solubilizer (Nos.)	N Fixers (Nos.)
Baghpat	Natural		52.13	185.31	0.69	0.8	0.32	0.50	0.30	-	-	-	-	-
	Organic		52.13	185.31	0.69	0.8	0.32	0.50	0.30	-	-	-	-	-
	Chemical		52.13	185.31	0.69	0.8	0.32	0.50	0.30	-	-	-	-	-

3) Details of Demonstrations Conducted under Natural Farming Project-Nil

4) 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.	Baghpat	Shri Upendra Arya	02	10.0	Sugarcane, Wheat, Pulses and Horticulture	9	10.0	Sugarcane, Wheat, Pulses and Horticulture	-
2.	Baghpat	Vikas Kumar	03	2.5	Sugarcane Mustards and Vegetables	9	2.5	Sugarcane Mustards and Vegetables	-
3.	Baghpat	Shri. Upendra Ahlawat	100	5.0	protection of stray cows	6	5.0	Protection of stray cows	Selling milk and cow dung
4.	Baghpat	Shri Harsh Khurana	-	2.5	Paddy, mustard, turmeric and wheat	5	2.5	Paddy, mustard, turmeric and wheat	Sell mustard oil, rice and turmeric powder to local vendor
5.	Baghpat	Shri Rajbir Singh	02	2.5	Sugarcane, Paddy and Wheat	4	2.5	Sugarcane, Paddy and Wheat	-
6	Baghpat	Shri Rampal Singh	04	10.0	Sugarcane, Paddy and Wheat	8	10.0	Sugarcane, Paddy and Wheat	-
7.	Baghpat	Col. Narendar Tyagi	1	8.0	Wheat, Paddy, Horticulture and Vermicompost	9	8.0	Wheat, Paddy, Horticulture and Vermicompost	Promoting natural farming products from his sale point at Ghazibad
8.	Baghpat	Shri Vijay SIngh	02	3.5	Wheat, Paddy, Horticulture and Vegetable	9	3.5	Wheat, Paddy, Horticulture and Vegetable	Selling jaggery, sugarcane and sugarcane juice from natural farming

5) Natural Farming Nodal officer & Associate Name

S.No.	Name of KVK	Name of Head/SMS	Discipline/Subject	Mobile No.
1	**Baghpat**	**Dr. Ravindra Kumar, Prog. Asstt**	**Soil Science**	**8923482015**

VI. Training Programme

Farmers' Training including sponsored training programmes (on campus)

Thematic area (May be specific to any given KVK)	Actual Title of training conducted	No. of courses	Participants								
			Others			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production											
Resource Conservation Technologies	NRM	01	17	0	17	03	0	03	20	0	20
	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
Total		**3**	**50**	**2**	**52**	**8**	**0**	**8**	**58**	**2**	**60**
II Horticulture											
a) Vegetable Crops											
Production of low value and high valume crops	Cucurbits production technique	01	17	0	17	04	0	04	21	0	21
Total (a)		**01**	**17**	**0**	**17**	**04**	**0**	**04**	**21**	**0**	**21**
b) Fruits											
Rejuvenation of old orchards	Training & pruning technique of mango orchard	01	20	0	20	0	0	0	20	0	20
Total (b)		**01**	**20**	**0**	**20**	**0**	**0**	**0**	**20**	**0**	**20**
c) Ornamental Plants											
Propagation techniques of Ornamental Plants	Precaustional technique of flower production	01	18	0	18	03	0	03	21	0	21
Total (c)		**01**	**18**	**0**	**18**	**03**	**0**	**03**	**21**	**0**	**21**
GT (a-g)		**3**	**55**	**0**	**55**	**7**	**0**	**7**	**62**	**0**	**62**
IV Livestock Production and Management											
Disease Management	Foot & mouth disease its causes & prevention	01	13	04	17	03	0	03	16	04	20
	Mastitis: its causes & prevention	01	06	14	20	0	0	0	06	14	20
Total		**02**	**19**	**18**	**37**	**03**	**0**	**03**	**22**	**18**	**40**
V Home Science/Women empowerment											
Household food security by kitchen gardening and nutrition gardening	Cultivation of Nutrigarden	01	0	17	17	0	03	03	0	20	20
	Improving nutrition through nutrition gardening	01	0	17	17	0	03	03	0	20	20
Designing and development for high nutrient efficiency diet	Importance of millets & different products	01	0	17	17	0	03	03	0	20	20
	Nutritional Importance of pearl millet & different products	01	0	17	17	0	03	03	0	20	20
Total		**4**	**0**	**68**	**68**	**0**	**12**	**12**	**0**	**80**	**80**
VI Agril. Engineering											
Farm Machinary and its maintenance	Use & benefit of Ratoon Manager device (RMD)	01	21	0	21	01	0	01	22	0	22
Repair and maintenance of farm machinery and implements	Mechanization in Agriculture	01	20	0	20	0	0	0	20	0	20
	Repair & maintenance of Tractor	01	21	0	21	0	0	0	21	0	21
	Repair and maintenance of agriculture equipment	01	20	0	20	0	0	0	20	0	20
	Safety use of spray machine and it repair	01	20	0	20	0	0	0	20	0	20
Others (CRM)	Crop Residue Management	01	17	0	17	03	0	03	20	0	20
Total		**6**	**119**	**0**	**119**	**4**	**0**	**4**	**123**	**0**	**123**

VII Plant Protection											
Integrated Pest Management & Integrated Disease Management	Pest control in summer pulses	01	20	0	20	0	0	0	20	0	20
	Integrated pest & disease management in paddy	01	22	08	30	0	0	0	22	08	30
	Integrated pest & disease management in vegetables (Kharif)	01	20	0	20	03	0	03	23	0	23
	Integrated pest & disease management in vegetables (Rabi)	01	22	0	22	0	0	0	22	0	22
	Integrated pest and disease management in wheat	01	21	0	21	0	0	0	21	0	21
	Integrated pest & disease management in fruits	01	20	0	20	0	0	0	20	0	20
Total		**6**	**125**	**8**	**133**	**3**	**0**	**3**	**128**	**8**	**136**
VIII Plant Breeding											
Seed Production	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
Total		**3**	**60**	**0**	**60**	**0**	**0**	**0**	**60**	**0**	**60**
GRAND TOTAL		**27**	**428**	**96**	**524**	**25**	**12**	**37**	**453**	**108**	**561**

Farmers' Training including sponsored training programmes (off campus)

Thematic area (May be specific to any given KVK)	**Actual Title of training conducted**	**No. of courses**	**Participants**								
			Others			**SC/ST**			**Grand Total**		
			Male	**Female**	**Total**	**Male**	**Female**	**Total**	**Male**	**Female**	**Total**
I Crop Production											
Cropping Systems	Round the year fooder production	01	20	0	20	01	0	01	21	0	21
	Intercropping with spring cane	01	20	0	20	0	0	0	20	0	20
	Scientific cultivation of Basmati Rice	01	19	0	19	01	0	01	20	0	20
Total		**03**	**59**	**0**	**59**	**02**	**0**	**02**	**61**	**0**	**61**
II Horticulture											
a) Vegetable Crops											
Production of low value and high valume crops	Summer season vegetables production technique	01	20	0	20	0	0	0	20	0	20
	Production technique of cucurbits crops	01	20	0	20	01	0	01	21	0	21
Nursery raising	Nursery management in Marigold crop	01	20	0	20	0	0	0	20	0	20
	Nursery management in early cabbage crops	01	20	0	20	01	0	01	21	0	21
Total (a)		**4**	**80**	**0**	**80**	**2**	**0**	**2**	**82**	**0**	**82**
b) Fruits											
Cultivation of Fruit	Scientific technique of papaya cultivation	01	20	0	20	0	0	0	20	0	20
	Propagation & production technique of guava orchard	01	22	0	22	0	0	0	22	0	22

Rejuvenation of old orchards	Training & pruning technique of mango orchard	01	20	0	20	0	0	0	20	0	20
Total (b)		**3**	**62**	**0**	**62**	**0**	**0**	**0**	**62**	**0**	**62**
c) Ornamental Plants											
Management of potted plants	Fertilizer management in marigold	01	12	0	12	08	0	08	20	0	20
Total (c)		**01**	**12**	**0**	**12**	**08**	**0**	**08**	**20**	**0**	**20**
GT (a-g)		**8**	**154**	**0**	**154**	**10**	**0**	**10**	**164**	**0**	**164**
IV Livestock Production and Management											
Dairy Management	Heat stress its causes, signs & prevention in dairy animals	01	0	20	20	0	0	0	0	20	20
	Clean milk production	01	18	01	19	01	0	01	19	01	20
	Care & management of pregnant animals	01	20	0	20	0	0	0	20	0	20
	Management of infertility in dairy animals	01	20	0	20	0	0	0	20	0	20
	FMD: its causes signs & prevention in dairy animals	01	20	0	20	0	0	0	20	0	20
	Mastitis: its causes & prevention in dairy animals	01	20	0	20	0	0	0	20	0	20
Total		**06**	**98**	**21**	**119**	**01**	**0**	**01**	**99**	**21**	**120**
V Home Science/Women empowerment											
Design and development of low/minimum cost diet	Preparation of nutria thali	01	0	20	20	0	1	1	0	21	21
	Moringa & its value addition	01	0	20	20	0	0	0	0	20	20
Processing and cooking	Processing of soyabean for food uses	01	0	20	20	0	1	1	0	21	21
Gender mainstreaming through SHGs	Role of SHG in enhancing family income	01	0	14	14	0	06	06	0	20	20
Women empowerment	Balance diet	01	0	18	18	0	02	02	0	20	20
Rural Crafts	Macrame craft	01	0	20	20	0	0	0	0	20	20
Minimization of nutrient loss in processing	Nutrition & safe motherhood	01	0	20	20	0	0	0	0	20	20
	Nutritional importance of fruits & vegetables for children	01	0	20	20	0	0	0	0	20	20
	Nutritional deficiency diseases and their management	01	0	20	20	0	0	0	0	20	20
Others (food fortification)	Fortification of wheat flower	01	0	16	16	0	05	05	0	21	21
	Importance & management of nutritional garden	01	0	17	17	0	05	05	0	22	22
Total		**11**	**0**	**205**	**205**	**0**	**20**	**20**	**0**	**225**	**225**
VI Agril. Engineering											
Farm Machinary and its maintenance	Tractor Attachment and Setting	01	20	0	20	0	0	0	20	0	20
	How to ballast tractor tyres	01	20	0	20	0	0	0	20	0	20
	Fuel saving tips	01	21	0	21	0	0	0	21	0	21
	Introduction to the concept of matching implement & its benefits	01	20	0	20	01	0	01	21	0	21
	Setting of Reversible MB Plough	01	20	0	20	0	0	0	20	0	20
	Uses of reaper binder machine	01	19	0	19	1	0	1	19	01	20

Repair and maintenance of farm machinery and implements	Tractor repair and maintenance	01	15	0	15	06	0	06	21	0	21
	Tractor daily maintenance check	01	20	0	20	0	0	0	20	0	20
	Introduction to Soil Moisture Indicator	01	19	0	19	01	0	01	20	0	20
	Protective uses of spray machine	01	21	0	21	0	0	0	21	0	21
Other	Crop residue management	01	21	0	21	0	0	0	21	0	21
Total		**11**	**216**	**0**	**216**	**9**	**0**	**9**	**225**	**0**	**225**
VII Plant Protection											
Integrated Pest Management	Control of early shoot borer in sugarcane	01	03	10	13	01	08	09	04	18	22
	Insect pest control in maize	01	20	0	20	0	0	0	20	0	20
	Control of leaf folder & stem borer in paddy	01	21	0	21	0	0	0	21	0	21
	Control of BPH in paddy	01	20	0	20	0	0	0	20	0	20
Integrated Disease Management	Management of Pokkah boeng disease in sugarcane	01	20	0	20	0	0	0	20	0	20
	Diseases of paddy & their management	01	20	0	20	0	0	0	20	0	20
	Disease management in paddy	01	20	0	20	0	0	0	20	0	20
	Disease and pest management in mustard	01	20	0	20	0	0	0	20	0	20
Bio-control of pests and diseases	Application of Bio-control agents in vegetables	01	20	0	20	0	0	0	20	0	20
	Control of borer in sugarcane with the help of Tricho card	01	20	0	20	0	0	0	20	0	20
Total		**10**	**184**	**10**	**194**	**1**	**8**	**9**	**185**	**18**	**203**
VIII Plant Breeding											
Seed Production	Varietal selection for early autumn sowing of sugarcane	01	41	0	41	0	0	0	41	0	41
	Farmer participatory quality seed production of sugarcane	01	21	0	21	0	0	0	21	0	21
	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
Others (Natural farming)	Preparation method of Jeevamrat & Ghanjeevamrat	01	21	0	21	0	0	0	21	0	21
	Natural farming of sugarcane	01	20	0	20	0	0	0	20	0	20
	Natural farming of wheat	01	20	0	20	0	0	0	20	0	20
Total		**7**	**163**	**0**	**163**	**0**	**0**	**0**	**163**	**0**	**163**
GRAND TOTAL		**56**	**874**	**236**	**1110**	**23**	**28**	**51**	**897**	**264**	**1161**

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

Thematic area (May be specific to any given KVK)	Actual Title of training conducted	No. of courses	Participants								
			Others			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production											
Resource Conservation Technologies	NRM	01	17	0	17	03	0	03	20	0	20
	Kharif plan in less rain	01	18	0	18	02	0	02	20	0	20
Cropping Systems	Round the year fooder production	01	20	0	20	01	0	01	21	0	21
	Intercropping with spring cane	01	20	0	20	0	0	0	20	0	20
	Scientific cultivation of Basmati Rice	01	19	0	19	01	0	01	20	0	20
Production of organic inputs	Bio/Natural farming & its importance	01	15	02	17	03	0	03	18	02	20
Total		**06**	**109**	**02**	**111**	**10**	**0**	**10**	**119**	**02**	**121**
II Horticulture											
a) Vegetable Crops											
Production of low value and high valume crops	Cucurbits production technique	01	17	0	17	04	0	04	21	0	21
	Summer season vegetables production technique	01	20	0	20	0	0	0	20	0	20
	Production technique of cucurbits crops	01	20	0	20	01	0	01	21	0	21
Nursery raising	Nursery management in Marigold crop	01	20	0	20	0	0	0	20	0	20
	Nursery management in early cabbage crops	01	20	0	20	01	0	01	21	0	21
Total (a)		**5**	**97**	**0**	**97**	**6**	**0**	**6**	**103**	**0**	**103**
b) Fruits											
Cultivation of Fruit	Scientific technique of papaya cultivation	01	20	0	20	0	0	0	20	0	20
	Propagation & production technique of guava orchard	01	22	0	22	0	0	0	22	0	22
Rejuvenation of old orchards	Training & pruning technique of mango orchard	01	20	0	20	0	0	0	20	0	20
	Training & pruning technique of mango orchard	01	20	0	20	0	0	0	20	0	20
Total (b)		**4**	**82**	**0**	**82**	**0**	**0**	**0**	**82**	**0**	**82**
c) Ornamental Plants											
Propagation techniques of Ornamental Plants	Precaustional technique of flower production	01	18	0	18	03	0	03	21	0	21
Management of potted plants	Fertilizer management in marigold	01	12	0	12	08	0	08	20	0	20
Total (c)		**2**	**30**	**0**	**30**	**11**	**0**	**11**	**41**	**0**	**41**
GT (a-g)		**11**	**209**	**0**	**209**	**17**	**0**	**17**	**226**	**0**	**226**

IV Livestock Production and Management											
Dairy Management	Heat stress its causes, signs & prevention in dairy animals	01	0	20	20	0	0	0	0	20	20
	Clean milk production	01	18	01	19	01	0	01	20	0	20
	Care & management of pregnant animals	01	20	0	20	0	0	0	20	0	20
	Management of infertility in dairy animals	01	20	0	20	0	0	0	20	0	20
	FMD: its causes signs & prevention in dairy animals	01	20	0	20	0	0	0	20	0	20
	Mastitis: its causes & prevention in dairy animals	01	20	0	20	0	0	0	20	0	20
Disease Management	Foot & mouth disease its causes & prevention	01	13	04	17	03	0	03	17	03	20
	Mastitis: its causes & prevention	01	06	14	20	0	0	0	06	14	20
Total		**08**	**117**	**39**	**156**	**04**	**0**	**04**	**123**	**37**	**160**
V Home Science/Women empowerment											
Household food security by kitchen gardening and nutrition gardening	Cultivation of Nutrigarden	01	0	17	17	0	03	03	0	20	20
	Improving nutrition through nutrition gardening	01	0	17	17	0	03	03	0	20	20
Design and development of low/minimum cost diet	Importance of millets & different products	01	0	17	17	0	03	03	0	20	20
	Nutritional Importance of pearl millet & different products	01	0	17	17	0	03	03	0	20	20
	Preparation of nutria thali	01	0	20	20	0	1	1	0	21	21
	Moringa & its value addition	01	0	20	20	0	0	0	0	20	20
Processing and cooking	Processing of soyabean for food uses	01	0	20	20	0	1	1	0	21	21
Gender mainstreaming through SHGs	Role of SHG in enhancing family income	01	0	14	14	0	06	06	0	20	20
Women empowerment	Balance diet	01	0	18	18	0	02	02	0	20	20
Rural Crafts	Macrame craft	01	0	20	20	0	0	0	0	20	20
Minimization of nutrient loss in processing	Nutrition & safe motherhood	01	0	20	20	0	0	0	0	20	20
	Nutritional importance of fruits & vegetables for children	01	0	20	20	0	0	0	0	20	20
	Nutritional deficiency diseases and their management	01	0	20	20	0	0	0	0	20	20
Others (food fortification)	Fortification of wheat flower	01	0	16	16	0	05	05	0	21	21

	Importance & management of nutritional garden	01	0	17	17	0	05	05	0	22	22
Total		**15**	**0**	**273**	**273**	**0**	**32**	**32**	**0**	**305**	**305**
VI Agril. Engineering											
Farm Machinary and its maintenance	Use & benefit of Ratoon Manager device (RMD)	01	21	0	21	01	0	01	22	0	22
	Tractor Attachment and Setting	01	20	0	20	0	0	0	20	0	20
	How to ballast tractor tyres	01	20	0	20	0	0	0	20	0	20
	Fuel saving tips	01	21	0	21	0	0	0	21	0	21
	Introduction to the concept of matching implement & its benefits	01	20	0	20	01	0	01	21	0	21
	Setting of Reversible MB Plough	01	20	0	20	0	0	0	20	0	20
	Uses of reaper binder machine	01	19	0	19	1	0	1	20	0	20
	Safety use of spray machine and it repair	01	20	0	20	0	0	0	20	0	20
Repair and maintenance of farm machinery and implements	Mechanization in Agriculture	01	20	0	20	0	0	0	20	0	20
	Repair & maintenance of Tractor	01	21	0	21	0	0	0	21	0	21
	Tractor repair and maintenance	01	15	0	15	06	0	06	21	0	21
	Tractor daily maintenance check	01	20	0	20	0	0	0	20	0	20
	Introduction to Soil Moisture Indicator	01	19	0	19	01	0	01	20	0	20
	Protective uses of spray machine	01	21	0	21	0	0	0	21	0	21
	Repair and maintenance of agriculture equipment	01	20	0	20	0	0	0	20	0	20
Others	Crop Residue Management	01	17	0	17	03	0	03	20	0	20
	Crop residue management	01	21	0	21	0	0	**0**	21	0	21
Total		**17**	**335**	**0**	**335**	**13**	**0**	**13**	**348**	**0**	**348**
VII Plant Protection											
Integrated Pest Management & Integrated Disease Management	Pest control in summer pulses	01	20	0	20	0	0	0	20	0	20
	Integrated pest & disease management in paddy	01	22	08	30	0	0	0	22	08	30
	Integrated pest & disease management in vegetables (Kharif)	01	20	0	20	03	0	03	23	0	23
	Integrated pest & disease management in vegetables (Rabi)	01	22	0	22	0	0	0	22	0	22
	Integrated pest and disease	01	21	0	21	0	0	0	21	0	21

	management in wheat										
	Integrated pest management in fruits	01	20	0	20	0	0	0	20	0	20
	Control of early shoot borer in sugarcane	01	03	10	13	01	08	09	04	18	22
	Insect pest control in maize	01	20	0	20	0	0	0	20	0	20
	Control of leaf folder & stem borer in paddy	01	21	0	21	0	0	0	21	0	21
	Control of BPH in paddy	01	20	0	20	0	0	0	20	0	20
	Management of Pokkah boeng disease in sugarcane	01	20	0	20	0	0	0	20	0	20
	Diseases of paddy & their management	01	20	0	20	0	0	0	20	0	20
	Disease management in paddy	01	20	0	20	0	0	0	20	0	20
	Disease and pest management in mustard	01	20	0	20	0	0	0	20	0	20
Bio-control of pests and diseases	Usage of Bio-control agents in vegetables	01	20	0	20	0	0	0	20	0	20
	Control of borer in sugarcane with the help of Tricho card	01	20	0	20	0	0	0	20	0	20
Total		**16**	**309**	**18**	**327**	**4**	**8**	**12**	**313**	**26**	**339**
VIII Plant Breeding											
Seed Production	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
	Varietal selection for early autumn sowing of sugarcane	01	41	0	41	0	0	0	41	0	41
	Farmer participatory quality seed production of sugarcane	01	21	0	21	0	0	0	21	0	21
	Varietal diversification & quality seed production of mustard	01	20	0	20	0	0	0	20	0	20
	Farmer participatory biofortified variety & quality	01	20	0	20	0	0	0	20	0	20

	seed production technique of wheat										
Natural farming	Preparation method of Jeevamrat & Ghanjeevamrat	01	21	0	21	0	0	0	21	0	21
	Natural farming of sugarcane	01	20	0	20	0	0	0	20	0	20
	Natural farming of wheat	01	20	0	20	0	0	0	20	0	20
Total		**10**	**223**	**0**	**223**	**0**	**0**	**0**	**223**	**0**	**223**
GRAND TOTAL		**83**	**1302**	**332**	**1634**	**48**	**40**	**88**	**1350**	**372**	**1722**

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

Thematic area (May be specific to any given KVK)	**Actual Title of training conducted**	**No. of Courses**	**No. of Participants**								
			General			**SC/ST**			**Grand Total**		
			Male	**Female**	**Total**	**Male**	**Female**	**Total**	**Male**	**Female**	**Total**
Protected cultivation of vegetable crops	Production of Capsicum & Tomato by low tunnel technique	01	10	0	10	0	0	0	10	0	10
Mushroom Production	Mushroom Production technology	02	18	01	19	01	0	01	19	01	20
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
Rural Crafts	Value addition to textiles by Bandhni	01	0	10	10	0	0	0	0	10	10
TOTAL		**06**	**46**	**11**	**57**	**3**	**0**	**3**	**49**	**11**	**60**

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

Thematic area (May be specific to any given KVK)	**Actual Title of training conducted**	**No. of Courses**	**No. of Participants**								
			General			**SC/ST**			**Grand Total**		
			Male	**Female**	**Total**	**Male**	**Female**	**Total**	**Male**	**Female**	**Total**
Production and use of organic inputs	Natural faming for sustainable agriculture	01	15	0	15	04	0	04	19	0	19
Women and Child care	Iron deficiency its symptoms, causes & prevention	01	0	13	13	0	02	02	0	15	15
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
TOTAL		**3**	**15**	**33**	**48**	**4**	**2**	**6**	**19**	**35**	**54**

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

Thematic area (May be specific to any given KVK)	Actual Title of training conducted	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
Integrated Pest & Disease Management	Integrated pest & disease management in paddy	01	27	01	28	02	0	02	29	01	30
	Integrated pest & disease management in vegetables	01	25	0	25	0	0	0	25	0	25
	Use and safe-handling of pesticides	01	13	0	13	03	0	03	16	0	16
	Use and importance of bio-pesticides in natural farming	01	02	20	22	0	03	03	02	23	25
Protected cultivation technology	Production technology of better guard	01	12	0	12	08	0	08	20	0	20
Propagation techniques of Ornamental Plants	Production technique of gladiolus	01	20	0	20	0	0	0	20	0	20
Low cost and nutrient efficient diet designing	Nutrient efficient diet for adolescents	01	0	11	11	0	04	04	0	15	15
	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
Seed production	High quality seed production of sugarcane through single bud	01	62	0	62	0	0	0	62	0	62
	High quality seed production technology of mustard	01	26	0	26	0	0	0	26	0	26
Any other (please specify)	Crop Residue Management	01	0	25	25	0	0	0	0	25	25
	Calculation of cost of operation under CHCs	01	0	20	20	0	0	0	0	20	20
	Tractor repair and maintenance	01	20	0	20	0	0	0	20	0	20
	Safety use of spray machine	01	0	22	22	0	0	0	0	22	22
TOTAL		**15**	**207**	**137**	**344**	**13**	**7**	**12**	**220**	**144**	**364**

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

Thematic area (May be specific to any given KVK)	Actual Title of training conducted	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
Production and use of organic inputs	Natural faming for sustainable agriculture	01	15	0	15	04	0	04	19	0	19
Women and Child care	Iron deficiency its symptoms, causes & prevention	01	0	13	13	0	02	02	0	15	15
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
Integrated Pest & Disease Management	Integrated pest & disease management in paddy	01	27	01	28	02	0	02	29	01	30
	Integrated pest & disease management in vegetables	01	25	0	25	0	0	0	25	0	25
	Use and safe-handling of pesticides	01	13	0	13	03	0	03	16	0	16
	Use and importance of bio-pesticides in natural farming	01	02	20	22	0	03	03	02	23	25
Protected cultivation technology	Production technology of better guard	01	12	0	12	08	0	08	20	0	20
Propagation techniques of	Production technique of	01	20	0	20	0	0	0	20	0	20

Ornamental Plants	gladiolus										
Low cost and nutrient efficient diet designing	Nutrient efficient diet for adolescents	01	0	11	11	0	04	04	0	15	15
	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
Seed production	High quality seed production of sugarcane through single bud	01	62	0	62	0	0	0	62	0	62
	High quality seed production technology of mustard	01	26	0	26	0	0	0	26	0	26
Any other (please specify)	Crop Residue Management	01	0	25	25	0	0	0	0	25	25
	Calculation of cost of operation under CHCs	01	0	20	20	0	0	0	0	20	20
	Tractor repair and maintenance	01	20	0	20	0	0	0	20	0	20
	Safety use of spray machine	01	0	22	22	0	0	0	0	22	22
TOTAL		**18**	**222**	**170**	**392**	**17**	**9**	**26**	**239**	**179**	**418**

Sponsored training programmes

Thematic area (May be specific to any given KVK)	**Actual Title of training conducted**	**No. of Courses**	**No. of Participants**								
			General			**SC/ST**			**Grand Total**		
			Male	**Female**	**Total**	**Male**	**Female**	**Total**	**Male**	**Female**	**Total**
Others (pl. specify)	Farmers Technical Training Programme	01	40	08	48	04	0	04	44	08	52
Total		**01**	**40**	**08**	**48**	**04**	**0**	**04**	**44**	**08**	**52**

VII. Extension Programmes

Activities	**No. of programmes**	**No. of farmers**	**No. of Extension Personnel**	**TOTAL**
Advisory Services	458	1898	53	1951
Diagnostic visits	12	42	3	45
Field Day	5	112	2	114
Group discussions	0	0	24	24
Kisan Ghosthi	17	2156	198	2354
Film Show	0	0	0	0
Self -help groups	14	156	22	178
Kisan Mela	22	4263	296	4559
Exhibition	3	180	23	203
Scientists' visit to farmers field	133	256	0	256
Plant/animal health camps	2	169	0	169
Farm Science Club	0	0	0	0
Ex-trainees Sammelan	0	0	0	0
Farmers' seminar/workshop	1	20	10	30
Method Demonstrations	1	50	6	56
Celebration of important days	4	183	41	224
Special day celebration	5	478	26	504
Exposure visits	13	295	73	368
Others (Awareness Programme)	21	940	56	996
Total	**711**	**11198**	**833**	**12031**

Details of other extension programmes

Particulars	Number
Electronic Media (CD/DVD)	-
Extension Literature	10
News paper coverage	152
Popular articles	04
Radio Talks	-
TV Talks	02
Animal health camps (Number of animals treated)	02
Others (pl. specify)	-
Total	**170**

Mobile Advisory Services

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weather	Marke-ting	Aware-ness	Other enterprise	Total
Baghpat	Text only	256	12	115	6	35	7	**431**
	Voice only	124	0	5	0	32	41	**202**
	Voice & Text both	110	0	0	4	13	7	**134**
	Total Messages	**490**	**12**	**120**	**10**	**80**	**55**	
	Total farmers Benefitted	**6057**	**94**	**2389**	**32**	**1585**	**65**	

VIII. PRODUCTION OF SEED/PLANTING MATERIAL AND BIO-PRODUCTS

Production of seeds by the KVKs

Crop	Name of the crop	Name of the variety	Name of the hybrid	Quantity of seed (q)	Value (Rs)	Number of farmers
Cereals	Wheat	DBW 222	FS 1	163.6	427652.00	Supply to NSC
	Paddy	PB 1509	FS 1	168.97	96663.00	Supply to NSC
Vegetable	Radish	Local	-	40	40500.00	Auction
Oilseeds	Mustard	RH-749	FS 1	33.4	182600.00	Supply to NSC
Total				**405.97**	**747415.00**	

IX. DETAILS OF SOIL, WATER AND PLANT ANALYSIS

Samples	No. of Samples	No. of Farmers	No. of Villages	Amount realized (Rs.)
Soil	832	832	**16**	**10140.00**
Water	193	193	-	-
Total	**1025**	**1025**	**16**	**10140.00**

X. SCIENTIFIC ADVISORY COMMITTEE

Name of KVK	Number of SACs conducted	Date of SAC
Baghpat	01	08.11.2023

XI. PUBLICATIONS

Category	Number
Books	**04**
Technical bulletins	**0**
Research Paper	03
Lead Papers	0

Book Chapters	12
Popular Articles	04
Newsletters	0
Technical reports	21
Others (Folder)	06

XII. INTERVENTIONS ON DISASTER MANAGEMENT/UNSEASONAL RAINFALL/HAILSTORM/COLD WAVES ETC

Animal health camps organised

Number of camps	No.of animals	No.of farmers
02	**612**	**169**

XIII. CASE STUDIES

(1)

Name of the KVK-Baghpat

TITLE- improved variety seed & technology for organic Jaggery etc.

Introduction –

Baghpat Plan, Implement and Support : KVK Baghpat supported Sh. Vijay Singh from Sunhera giving him sound knowledge of new technology used in organic farming. KVK Baghpat Scientist tries to make them aware regarding scientific cultivation of organic sugarcane. That starts from land preparation to harvesting. This KVK has encouraged the farmer for soil testing and on the basis of that farmer was advised for balanced dose of bio fertilizer with high yielding varieties.

Impact:-

The farmer used faced problems like wild animals, seed, marketing etc. With interventions like improved variety seed & technology with scale of organic Jaggery etc., he is getting gross annual income of Rs 175000.00 before KVK interventions after using Improved variety he is now getting gross income per year of Rs 398465.00

KVK intervention - Mr. Vijay Singh from Sunhera adopted suggestion of KVK's scientist for his 3.5 acre land. The economical gain in terms of per unit expenditure gross income, net return and BCR are recorded.

Output

Before intervention farmer net income was 124810.00 and after intervention it increased and become 318465.00.

Outcome- Mr. Vijay Singh is very happy with this improved production and management technology and set forth example for other farmers of the district.

Impact

Mr. Vijay Singh is becoming one of the progressive and learned farmers for others with regards to popularization of Organic Sugarcane crop with intercropping. This technology helps him for livelihood, empowerment and make him enthusiastic regards oilseed production. He is one of the progressive farmer after a becoming a part of KVK activities and get their effectiveness for his own development.

farmers with KVK's scientist

Sugarcane Crop Improved variety

Case study/success story
(2)

Cultivation of nutrigarden is becoming popular

Situation analysis/problem statement: Smt. Rakesh W/o Sh. Sohan Pal, Village Mavikala, Block Khekra, district Baghpat, a women farmer was selected for the demonstrated of nutrigarden. She was earlier growing cucurbits and only few leafy vegetables & could not meet nutritional requirement of her family.

Plan implements & support KVK: Baghpat tried to make her aware about nutritional importance of fruits and vegetables along with scientific cultivation of nuitrigarden. Mini seed kit, containing latest variety seeds of rabi, zaid & kharif vegetables procured from IARI New Delhi & fruit Plants were provided as an input

Out put: Smt. Rakesh cultivated the nutrigarden as per scientific method under the technical advise of KVK Scientist. Annual production and availability of vegetables is increased from 103 Kg to 554 Kg & 177 days to 318 days respectively coupled with reduction of annual expense Rs. 150,20 on purchase of vegetable & fruits (indirect annual saving of Rs. 15020).

Outcome: The outcome of this demonstration motivated the farming community to cultivate the nutrigarden by growing round the year (rabi, zaid & kharif), the latest variety of vegetable & fruits in their courtyard & frontyard.

The practice of cultivation of nutrigarden in scientific way has been adopted by Smt. Rathi. She is very happy by gaining indirect annual saving of Rs. 15020.

Impact: Smt. Rakesh is becoming one of the progressive & learned farmer. The technology helped her in full filling the nutritional requirement of her family & thus combating malnutrition. Smt. Rakesh Rathi is very happy with cultivation of nutrigarden & set forth example for other women farmer of the district.

Nutri garden

Case study/success story (Horticulture)

Situation Analysis Problem Statements :- Mr. Navin Kumar village Hasanpur Masoori Post Khekra District Baghpat, a farmer who has selected for this demonstration. He was earlier involved with local variety of Tomato Pusa Naveen or Daishi. This varieties low in yield.

Plan, Implements & Support:- KVK Baghpat tries to make them aware regarding scientific cultivation of tomato. That start from land preparation to harvesting. KVK has encouraged the farmer for soil testing and on the basis of that farmer was advised for balanced close of organic manure and fertilizer with yielding varieties Pusa HY-5. The was sown on 02.03.2022 with organic manure @ 250g per ha. With line sowing spacing (PxP@60x60cm & LxL @ 30x30) NPK fertilizer application was done with basal application as recommended.

Output: Mr. Navin Kumar adopted the balanced dose of chemical fertilizer @ (N:P:K 150:40:40) Kg/ha. In Tomato crops as per suggestion of KVK scientist for his 4 acre land. His control yield was 275 q/ha. with recommended technology without stalking method techniques. His yield increased by 22.5% with 315qt with stalking method. The economical gain in terms of per unit expenditure gross income, net return and BCR are recorded. Rs. 305000 and.

Outcome:- Tomato crop is major vegetable crops in the production of vegetable, KVK Baghpat conducted various vegetable demonstration mostly 3 block @ Khekra, Baghpat & Pilana, Pusa HY-5 and balanced dose of manure F.Y.M. & fertilizer (N:P:K @150:40:40) Kg./ha. This varieties recommendation in west plane zone of UP. The outcome of this demonstration motivated the farming communities to replace their old varieties and traditional method they are using. Mr. Naveen Kumar is very happy on improvement in their income, livelihood and set forth example for others.

Farmer in the field variety Pusa Hybrid 5

Heavy production of crops tomato with stalking

DAMU Project

Project Details

1. Name of Damu, District, ATARI zone and Year
   DAMU Name : Baghpat
   Name of Blocks: Baghpat, Baraut, Binauli, Chaprauli, Khekra and Pilana (06)
   Year of start of AAS at DAMU: 2020

2. Name and address with landline and mobile numbers along with STD code (also provide e-mail address) of head of ATARI, Project Coordinator, Head of the Krishi Vigyan Kendra (KVK)

Designation	Name	Address	Telephone no.	Email-id
Head of ATARI	Dr. S. K. Duby	ATARI, Kanpur	8004938467	zpdicarkanpur@gmail.com
Head of KVK	Dr. Laxmikant	K.V.K., Baghpat	9411215276	kvkbaghpat2@gmail.com
SMS	Mrs. Ankita Negi	K.V.K., Baghpat	7500348154	negi1996ankita@gmail.com
Agromet Observer (AO)	Mr. Shadab	K.V.K., Baghpat	8755558600	shadabsaifi0987@gmail.com

5. Date of start of Agromet Advisory Bulletins: 11 September, 2020

6. Nearest Air, TV And Railway Station (provide the road distance from DAMU)

I) Air Station :Indira Gandhi International Airport (53 Km)

II) TV Station : P24 News (30 Km)

III) Railway Station: Khekra Railway Station (5.7 Km)

7. Status of Agro-AWS

7.1 Date of installation of AWS : 18/06/2021

7.2 List of instruments presently available in working condition: AWS system

7.3 Instruments to be replaced/repaired indicating type of defect: Nil

7.4 Please provide frequency of observation, exposure conditions of the site etc. :AWS provide data in each 15 minutes intervals while Agromet observer collect data daily.

Frequency of observations: Daily

Exposure condition: OK (Near KVK Farm with well drained conditions)

7.6 Number of years of data records available: 2 year

7.8 Whether the observatory is periodically inspected, maintained and calibrated by IMD (If yes, please indicate the latest data of inspection by the IMD) :No

7.9 Details of soil moisture observations taken, if any (please provide frequency and depths of observation etc.):Nil

8. Details of Agromet Advisory Services

i. How many times the weather forecasts were received during the year: 96

ii. When do you receive the forecasts from MC/RMC?: 3 PM to 7:30 PM

iii. How many AAS bulletins were prepared and disseminated to the farmers in the year:96

iv. How many AAS bulletins were prepared using Agromet-DSS in English and regional languages?- 1344

v. List the modes of mass communication adopted for AAS dissemination: Whats App Messages, Mobile call, FAP, Text Messages, Print media

Number of Print Media-26

TV/Redio talk/YouTube

Date	Topic	Place	Link
28-01-2023	Weather forecast	KVK, Baghpat	https://youtu.be/78xOAsMDWkc
31/01/2023	Automatic Weather Station	KVK, Baghpat	https://youtu.be/G_T_iPvwp1k
15/05/2023	Automatic Weather Station	KVK Baghpat	https://youtu.be/J-LBjyXwPyA
18/07/2023	ICAR foundation day	KVK Baghpat	https://youtube.com/shorts/Z6buOwt8llw?si=mZhBhUb-95M037KU

vi. Details of broadcast on AIR and TV (name of station broadcast frequency, time slot provided etc.) (Audio tape of the recent broadcast): Nil

vii. Give list of farmers awareness programmes conducted like Krishi / Kishan Melas, training, participation in national day parades etc. and photograph of Farmer's Awareness Programme (no of Farmer attended)

Date	Venue	Topic	No. of participants'
18-01-2023	Tyodhi-Pilana	Use of agroadvisory in and preventive measures for extreme weather events	20
20-01-2023	K.V.K. , Baghpat	GKMS	50
28-01-2023	KVK, Baghpat	Use of Meghdoot & Damini App	23
04-02-2023	Budhana, Baraut	Meghdoot	32
09-02-2023	KVK, Baghpat	Mausam anurup Krishi	20
06-02-2023	Rasoolpur, Sankarputhi	GKMS	21
10-03-2023	K.V.K., Baghpat	Importance of Agroadvisory for Milk production	20
12-04-2023	Nethla	Faslotpadan me mosam purvanuman ka mehatv	20
29-04-2023	Mubarikpur	Improtance of agromet advisory in Agriculture	20
15-05-2023	KVK Baghpat	Farmer Awareness Programme on "Damini App"	37
01-06-2023	Lehchoda village, Block- Pilana	Grishm lehar se pachun ka bachav	20
03-06-2023	Gvalikheda	Farmer Awareness Programme on " Meghdoot App	20
05-06-2023	KVK Baghpat	Farmer Awareness Programme on " Meghdoot App	56
18-07-2023	KVK Baghpat	Weather effect on Kharif crop	41
19-07-2023	Gothra	Gramin Krishi Mousam seva	20
10-08-2023	Sankrod	Weather effect on Kharif crop	16
14-08-2023	Pilana	Meghdoot	23
19-08-2023	KVK Baghpat	Automatic weather station	20
14-09-2023	Katha	Mrida me jalsanrakshan ke upay	20
19-09-2023	Bdagav	Weather forecast extension medium	25
22-09-2023	KVK Baghpat	Weather effect on millets production	50
11-10-2023	Badka	Importance of weather forecast in Agriculture	13
21-10-2023	Maviklan	Cultivation of Rabi crop according to weather	22
01-11-2023	Ptauli	Importance of weather forecast for	18

		oilseed	
29-11-2023	Bdagav	Importance of weather forecast in Rabi crops	22
06-12-2023	Sisana	Importance of weather forecast in Rabi crops	20
08-12-2023	Maviklan	Umang and Mousam App	20
12-12-2023	Daulatpur	Importance of Weather forecast in crop production	20
16-12-2023	Nethla	Dissemination medium of Weather forecast	20

Feedback collection & Farmer meet

Field visit at Meetli village (03/06/2023)

Feedback collection at Fatehpur puthi village (04/09/2023)

Feedback collection at Katha (01/02/2023)

Feedback collection at Katha (16/03/2023)

viii. No of SMS sent through Kisan Portal and how many farmers were benefitted during the year: Nil
ix. List of other organizations receiving Agromet advisories:

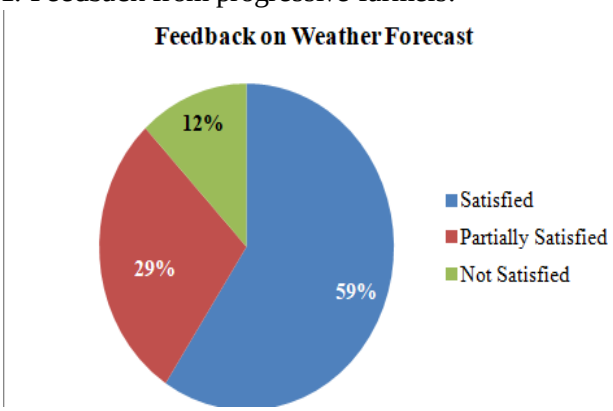
- Fasal Kranti (Run By Rajpal Singh)
- Anchal FPO (Run by Praveen Tyodhi)
- Binoli FPO (Run By Devender Rana)
- Sarurpur FPO (Run by Satendra Singh)
- Badka FPO (Run by Salma)

9. Economic impact of Agromet advisory services:

Name of Farmer	Village	Mobile number	Input Saved (In Rupee)
Rishipal	Sunheda, Khekra	8178223588	5000 ₹ in jiggery making and 5000 ₹ in irrigation
Ajay Tyagi	Tyodhi	7500414495	2000 ₹ saved in Spray
Arjun Sharma	Tyodhi	9528540081	Fertilizer application-600 ₹
Pankaj Nain	Basi	9557351557	5000 ₹ in Crop Harvesting
Jagvir Singh	Badoli	9761563200	2200 ₹ in Two Spray of Wheat
Amit Kumar	Sahpur badoli,	9536038187	1100 ₹ Spray in Sugarcane
Umesh Rana	Binoli	9149280702	5000 ₹ in irrigation

10. Mobile APP based Agromet advisory services for farmers: Meghdoot App and Damini App

11. Feedback from progressive farmers:



12. weather events data collection for Crowd soursing

13. Soil moisture data collection

XIX Achievement of Special programmes

1) Activities performed under NARI programme

Table-7.1: Details of activities performed under NARI programme

Nutritional Garden		Bio-fortified crops		Value addition		Training programmes		Extension activities	
No of Established	No. of farmers/ beneficiaries	No of activity	No. of farmers/ beneficiaries	No of activity	No. of farmers/ beneficiaries	No of activity	No. of farmers/ beneficiaries	No of activity	No. of farmers/ beneficiaries
60	**60**	**-**	**-**	**02**	**79**	**05**	**101**	**04**	**255**

2) Achievements under NICRA Project

NRM		Crop production		Livestock & Fisheries			Capacity Building		Extension Activities	
Demo	Area (ha)	Demo	Area (ha)	Demo	Area (ha)	No. of animals	No of Courses	Farmers	No. of programmes	Farmers
09	154	07	138	02	-	612	12	242	03	125

3) Achievements under Swachhata Abhiyan Mission

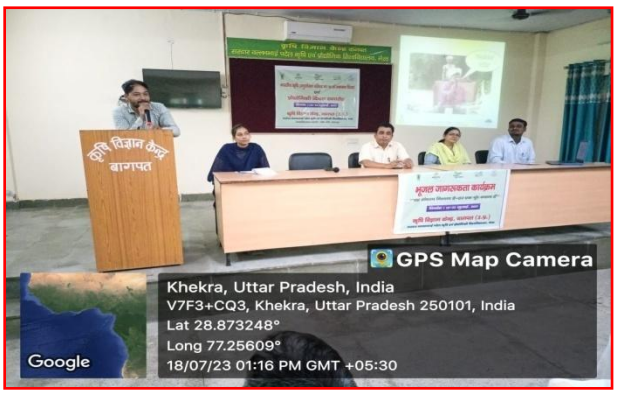
S.No.	Items	No. of Programmes	No. of persons paticipated
1	Toilet maintenance	-	-
2	Road, drain cleaning	-	-
3	Garbage disposal	06	30
4	Door to door awareness	-	-
5	Awareness campaign	25	413
6	Nookkad Drama	-	-
7	School Drama	-	-
8	School rally	02	650
9	Writing paining slogans	-	-
10	Composting	-	-
11	Other	-	-

Flagship & Special programmes

1. **International Year of Millets Gosthi at KVK, Baghpat on 28-02-2023**
   No. of Participants-141

2. **Celebration of Yoga Day at KVK, Baghpat on 21-06-2023**
   No. of Participants-42

3. Celebration of ICAR Foundation Day on 17-07-2023
No.of Programme-02 No. of participants-68



4. PM Kisan Sammelan Programme on 27-07-2023
No.of Programme-01 No. of participants-102

5. District Magistrate Baghpat visit at High Tech Nursery on 05-08-2023

6. Flagship programme
No. of Programme-05 No. of participants-120

7. Sh. Jashvan Singh Saini, Industrial Development Minister visit at Baghpat on 26-08-2023

8. Millets Punroddhar Programme for School Teachers at KVK Baghpat on 22-09-2023 with 50 School Teachers as participants

9. CRM Awareness Programme at NICRA office Dated 06.10.2023

10. Kisan Mela at SVPUAT, Meerut Dated 17-19.10.2023

11. Celebration of World Soil day at KVK Dated 05.10.2023

12. Kendra Vidyalaya Students visit at KVK Dated 16.12.2023

13. Celebration of National Farmers Day at Collectorate, Baghpat Dated 23.12.2023