ANNUAL PROGRESS REPORT

(January, 2023– December, 2023)

Submitted to

Agricultural Technology Application Research Institute, Kanpur

KRISHI VIGYAN KENDRA, BELATAL, MAHOBA

Directorate of Extension

(Banda University of Agriculture and Technology, Banda-210001)

APR SUMMARY

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

1. Training Programmes

Clientele	No. of Courses	Male	Female	Total participants
Farmers & farm women	52	1246	564	1810
Rural youths	0	0	0	0
Extension functionaries	1	0	20	20
Sponsored Training	7	22	126	148
Vocational Training	0	0	0	0
Total	**60**	**1268**	**710**	**1978**

2. Frontline demonstrations

Enterprise	No. of Farmers	Area (ha)	Units/Animals
Oilseeds	267	106.73	
Pulses	450	180	
Cereals	51	20	
Vegetables	73	4.0	
Other crops	20	1.0	
Hybrid crops			
Total	**861**	**311.73**	
Livestock & Fisheries	48		
Other enterprises	117		
Total	165		
Grand Total	**1026**	**311.73**	

3. Technology Assessment & Refinement

Category	No. of Technology Assessed	No. of Trials	No. of Farmers
Technology Assessed			
Crops	2	18	
Livestock			
Various enterprises	3	37	
Total	5	55	
Technology Refined			
Crops			
Livestock			
Various enterprises			
Total			
Grand Total	**5**	**55**	

4. Extension Programmes

Category	No. of Programmes	Total Participants
Extension activities	245	10030
Other extension activities	28	-
Total	**273**	

5. Mobile Advisory Services

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weather	Marketing	Awareness	Other enterprise	Total
	Text only	27	6	10	15	13	17	88
	Voice only							
	Voice & Text both							
	Total Messages							
	Total farmers Benefitted	**2581**	**203**	**1159**	**104**	**475**	**61**	**4583**

6. Seed & Planting Material Production

	Quintal/Number	Value Rs.
Seed (q)	102.4	813032.6
Planting material (No.)	126500	125155
Bio-Products (kg)	3600	
Livestock Production (No.)	5	
Fishery production (No.)		

7. Soil, water & plant Analysis

Samples	No. of farmers	Value Rs.
Soil		
Water		
Plant		
Total		

8. HRD and Publications

Sr. No.	Category	Number	No. of participants
1	Workshops	1	42
2	Conferences		
3	Meetings	1	23
4	Trainings for KVK officials		
5	Visits of KVK officials	7	17
6	Book published	1	-
7	Training Manual		-
8	Book chapters		-
9	Research papers	2	-
10	Lead papers		-
11	Seminar papers		-
12	Extension folder	2	-
13	Proceedings		-
14	Award & recognition	1	-
15	On going research projects		-

DETAIL REPORT OF APR-(Jan 2023 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
Krishi Vigyan Kendra, Belatal, Mahoba - 210 423 U.P.	Office	FAX	**kvkmahoba@gmail.com**

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

Address	Telephone		E mail
	Office	FAX	
Vice Chancellor, Banda University of Agriculture and Technology, Banda - 210 001	05192- 232305	05192- 232305	**vc.buat@gmail.com**

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. S.P. Sonkar Incharge/SMS Agriculture Extension	Belatal, Mahoba	9450264769	kvkmahoba@gmail.com

1.4. Year of sanction: March, 2004

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

Sl. No.	Sanctioned post	Name of the incumbent	Design-ation	Subject	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Perman-ent /Temp-orary	Category (SC/ST/ OBC/ Others)	Mobile no.	Age	Email id
1	Programme Coordinator	vacant	-	-	-	-	-	-	-	-	-	-
2	Subject Matter Specialist	Dr. S.P. Sonkar	SMS	Agri. Extension	15600-39100	95400		Permanent	SC	9450264769	44	kvkmahoba@gmail.com
3	Subject Matter Specialist	Dr. Rajnish Chandra Mishra	SMS	Plant Pathology	15600-39100	67000	16.12.2017	Permanent	Gen	8126016512	40	rajanishentom@rediffmail.com
4	Subject Matter Specialist	Dr Amrita Singh	SMS	Home Science	15600-39100	67000	16.12.2017	Permanent	Gen	9457695428	38	amritalko@gmail.com
5	Subject Matter Specialist	DrBrijeshPandey	SMS	Horticulture	15600-39100	69000	23.01.2018	Permanent	Gen	9430955950	38	mr.brijeshpandey@gmail.com
6	Subject Matter Specialist	-Vacant-	SMS	Agronomy	-	-	-	-	-	-	-	-
7	Subject Matter Specialist	-Vacant-	SMS	Animal Husbandry	-	-	-	-	-	-	-	-
8	Programme Assistant	Mr. Diwakar Maurya	Lab tech./farm manager	-	35400	42300	22.12.2017	Permanent	OBC	9889947619	31	diwakar179dm@gmail.com
9	Computer Programmer	Ms. Alka Mishra	Prog. Ass.(Com.)	-	35400	42300	14.12.2017	Permanent	Gen	7985416081	32	mishra.alka4@gmail.com
10	Farm Manager	-Vacant-		-	-		-	-	-	-	-	-
11	Accountant / Superintendent	Mr. SaurabhShukla	Office Assistant	-	35400	42300	11.12.2017	Permanent	Gen	9005339706		shuklasaurabh.banda94@gmail.com
12	Stenographer	Mrs. Anita Singh	Stenographer-III	-	25500	30500	11.12.2017	Permanent	Gen	9005265948	33	asinghbanda999@gmail.com
13	Driver	Mr. Rahul Mishra	Driver	-	21700	26000	11.12.2017	Permanent	Gen	8858231264	32	rahulmishra4580@gmail.com
14	Driver	Mr. Shriramyadav	Driver	-	21700	26000	11.12.2017	Permanent	OBC	8953616139	32	raam74992@gmail.com
15	Supporting staff	Mr. Preetam	Supporting staff	-	-	29300		Permanent	SC			-
16	Supporting staff	vacant	-	-	-	-	-	-	-	-	-	-

1.6. Total land with KVK (in ha) :10.66

S. No.	Item	Area (ha)
1	Under Buildings	0.96
2.	Under Demonstration Units	2.20
3.	Under Crops	7.0
4.	Orchard/Agro-forestry	0.50
5.	Others (specify)	-

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	not completed					
2.	Farmers Hostel	ICAR		-		-	-	completed
3.	Staff Quarters (6)	ICAR	Construction start from 2010 as per norms only constructed plinth level					
4.	Demonstration Units (2)	ICAR	Two Demonstration Unit Construction start from 2010 as per norms likely to be completed					
5	Fencing							completed
6	Rain Water harvesting system		2018					completed
7	Threshing floor							completed
8	Farm godown							completed
9	Seed Hub plant		2019		50.0	2017		completed

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Marshal Jeep	2001	-	166400	*Condemned*
Tractor	-	-	-	*Working condition*
Motor Cycle	2010	-	3200	*Working condition*

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status

1.8. A). Details SAC meeting* conducted in the year

Sl.No.	Date	Name and Designation of Participants	Salient Recommendations	Action taken
1.	02.12.2023	1. Prof. (Dr.) N.P. Singh, HVC, BUA&T, Banda 2. Dr.N.K. Bajpai, Director Extension, BUAT, Banda 3. Dr. Anand Singh, Assoc DE, BUAT, Banda. 4. Dr. Aniket Hanumant Kalahapure, Assistant Prof. Fruit Science,BUAT, Banda 5. Dr. Mayank Duby, Assistant Prof. Vet, BUAT Banda. 6. Dr.S.P Sonkar, Incharge, KVK, Mahoba 7. Dr. S.B. Singh, In-charge RARS, Belatal, Mahoba 8. Dr. Abhay Kumar Singh Yadav, DDAg, Mahoba 9. Mr. Saroj Kumar,LDM, Mahoba 10. Mr. Suresh Kumar, D.H.O., Mahoba 11. Dr. Ram Sigh, Vet. Officer, Ajnar. 12. Mr. Abhishek Kumar, F.O., IFFCO 13. Mr. Bhagwat Saran Sullere, Farmer, Mangrol,Mahoba 14. Mr. Dhwajpal Singh, F.P.O, President. 15. Mr. Rajendra Kumar Tripathi, F.P.O., President. 16. Mrs. Soma Devi, Krishi Sakhi, Budhora, Mahoba 17. Mrs Ashiya Begum, SHG President 18. Mr. Ravi Vyas, Agri clinic, Jaitpur, Mahoba 19. Dr. Rajanish Chandra Mishra, SMS, Plant Protection 20. Dr. Brijesh Pandey, SMS, Hort., KVK, Mahoba. 21. Dr. Amrita Singh, SMS, H.Sc., KVK, Mahoba 22. Mr. Saurabh Shukla, Assistant, KVK, Mahoba 23. Mr. Diwakar Maurya, Farm Manager/ Lab tech., KVK, Mahoba. 24. Mrs. Alka Mishra, Prog. Assit. (Comp.), KVK, Mahoba. 25. Mrs. Anita Singh, Stenographer, KVK, Mahoba.	1. Area specific variety to be promoted among farmers of the district. 2. Promotion of citrius orchard according to availability of area 3. Promotion of micro irrigation system among farmers. 4. etc.	1. ….. 2. … 3. ….
2.				

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 December, 2023)

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

S. No	Farming system/enterprise
1	Fallow – Chickpea + Mustard, Urd – Wheat + Mustard, Sesame – Pea, Fallow – Pea, Groundnut – Wheat, Pigeon pea + Sorghum, Groundnut – Gram, Pea/Gram – Sugarcane and some vegetable are in cropping sequence.
2	People keep indigenous breeds of buffaloes and cow with Bundelkhandi goats
3	Fruit based farming systems are being adopted by progressive farmers.

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

S. No	Agro-climatic Zone	Characteristics
1	Zone VI	The most covered area with Vindhyan hills and is also a part of Central India. Net cultivated land 236000 ha Cropping intensity 141.1 per cent, Forest 15.4 per cent

2.3 Soil types

S. No	Soil type	Characteristics	Area in ha
1	Parwa	These soils are deep to very deep in textured, rich in nutrient and poor in bases with a preordered of calcium in the surface.	43%
2	Rakar	Skeletal litchis assortments and skeletal litchis soils and coarse to medium in texture with more than 35% gravels. Poor in organic matters, nutrients status and bases they supports rainfed crops are moderately eroded.	7%
3	Kabar	In local parlance these soil called Kabar at present they supporting various *Rabi* and *Kharif* crops. Suitable for growing of wheat, barley, Jowar, Arhar etc. These soil are very deep, light blackish brown to yellowish brown and radish brown to medium black in colour.	44%
4	Mar	These soil are very deep and dark black in color having lower chroma they are slightly eroded and support very good cropslike jowar, wheat, oilseeds and pulses. Soils having very good water holding capacity.	6%

2.4. Area, Production and Productivity of major crops cultivated in the district(2021-22)

S. No	Crop	Area (ha)	Production (th. MT)	Productivity (Qtl /ha)
1	Wheat	71779	194.394	27.08
2	Barley	4980	9.178	18.43
3	Chickpea	64524	65.944	10.22
4	FieldPea	29223	41.760	14.29
5	Lentil	29135	20.074	6.89
6	Mustard /Rai	6475	4.384	6.77
7	Linseed	7048	3.651	5.18
8	Pigeon pea	3591	2.230	6.42
9	Sesame	29994	5.939	1.98
10	Groundnut	6862	9.751	14.21
11	Black gram	41829	0.648	1.73
12	Green Gram	7841	1.628	1.94
13	Paddy	243	0.598	23.62

2.5. **Weather data (2023)**

Month	Rainfall (mm)	Temperature		Relative Humidity (%)
		Maximum	Maximum	
January	10.40	20.5	6.2	73.4
February	0.00	34.1	17.8	61.2
March	5.48	36.6	19.8	50.1
April	1.53	37.4	21.3	34.0
May	20.67	43.2	26.3	40.3
June	226.33	36.7	27.2	52.9
July	115.07	32.9	26.2	76.0
August	129.89	20.5	24.2	82.9
September	124.87	33.2	22.3	82.5
October	0	28.3	21.0	63.9
November	0	26.5	16.2	68.4
December	13.00	24.1	14.8	71.2

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

Category	Population	Production	Productivity
Cattle			
Crossbred	299		
Indigenous	227728		
Buffalo	136008		
Sheep			
Crossbred	0		
Indigenous	14586		
Goats	162623		
Pigs	0		
Crossbred	370		
Indigenous	21001		
Rabbits			
Poultry :			
Hens	65285		
Desi			
Improved			
Ducks	1530		
Turkey and others			
Category	**Area**	**Production**	**Productivity**
Fish			
Marine			
Inland			
Prawn			
Scampi			
Shrimp			

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

Sl.No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Kulpahar	Jaitpur	Thurat Mangraul Kala, Mangaroul Khurd Budhaura Budhwara,	Urd, Moong, Arhar, Til, Gram, Pea, Wheat, Mustard, Brinjal and Animal Husbandry	Rainfed farming. Broad Casting, No use of organic manure, seed treatment Lack of quality seed.	Availability, distribution and production of quality seed. Use of NADEP and Vermi-compost
2	Kulpahar	Jaitpur	Pathari, Sugira Khairatiya Bharwara Lamaura Tikariya Dhawarra Ladpur Mohari, Atarpatha Simor, Jaitpur	Groundnut, Urd, Moong, Arhar, Til, Gram, Pea, Wheat, Mustard, Brinjal and Animal Husbandry	Rainfed farming. Imbalance use of fertilizer, Late sowing, No use of weedicide, seed treatment Lack of quality seed.	Introduction of bio-fertilize & fertilizer. Scheduling of Irrigation Availability, distribution and production of quality seed. Use of NADEP and Vermi-compost, Natural farming and formed FPO under NCDC
3	Kulpahar	Panwari	Devganpura Pathakpura Churari Charua Panwari Dadari, Ghatera, Konia	Groundnut, Urd, Moong, Arhar, Til, Gram, Pea, Wheat, Mustard, Brinjal and Animal Husbandry, tulsi	Rainfed farming. Imbalance use of fertilizer, Late sowing, No use of weedicide, seed treatment Lack of quality seed, No use of hybrid varieties of vegetable crops	Availability, distribution and production of quality seed. Use of NADEP and Vermi-compost
4.	Mahoba	Kabrai	Sijhari, Bilwai, Shri Nagar, Alampura, Kabarai, Sinchaura, Lilwahi	Groundnut, Urd, Moong, Arhar, Til, Gram, Pea, Wheat, Mustard, Brinjal and Animal Husbandry	Rainfed farming. Imbalance use of fertilizer, Late sowing, No use of weedicide, seed treatment Lack of quality seed, No use of hybrid varieties of vegetable crops	Availability, distribution and production of quality seed. Use of NADEP and Vermi-compost
5.	Charkhari	Charkhari	Gudha, Kakun, Supa, charkhari,	Groundnut, Urd, Moong, Arhar, Til, Gram, Pea, Wheat, Mustard, Brinjal and Animal Husbandry	Rainfed farming. Imbalance use of fertilizer, Late sowing, No use of weedicide, seed treatment Lack of quality seed, No use of hybrid varieties of vegetable crops	Availability, distribution and production of quality seed. Use of NADEP and Vermi-compost

2.8 Priority/thrust areas

Crop/Enterprise	Thrust area
Pulses, oilseed, and Vegetable crops	Rain water management using watershed approach especially for high yielding, short duration and drought tolerant varieties of pulses, oilseeds, cereals and vegetables. use of micro irrigation system .
Ber, Guava, Aonla , Citrus	Need to rejuvenate of old orchard and budding of old stalks , Need to introduce new varieties
Beal	Need to introduce new varieties
Soil health	Popularization of Vermi and NADEP compost to nourish the soil and as part of integrated plant nutrient management, awareness to soil testing and soil health.
Self-employment	Formation of self-help groups (SHGs) of farmers and farm women, value addition of the products and FPO.
Animal Husbandry	Animal Breeding of improved breed like tharparkar, sahiwal, introduction of nutritious feed and green fodder, Improved breed of goatery (Jakhrana) and poultry (Karaknath)

3. TECHNICAL ACHIEVEMENTS

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

OFT (Technology Assessment)				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
5	5	25	55	100	389.54	250	700

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	80	52	2000	1810	100	246	2000	10030
Rural youth	6	0	50	0				
Extn. Functionaries	6	1	20	20				

Seed Production (Qtl.)			Planting material (Nos.)		
5			6		
Target	Achievement	Distributed to no. of farmers	Target	Achievement	Distributed to no. of farmers
90	102.4	427	20000	126500	1494

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
Integrated Nutrient Management				
Varietal Evaluation				
Integrated Pest Management				
Integrated Crop Management	Bottle Gourd	Plug tray Nursery in soil less media	13	13
	Acid Lime	Hast Bahar Mangement through PGRs & Chemicals	05	05
Integrated Disease Management				
Small Scale Income Generation Enterprises				
Weed Management				
Resource Conservation Technology				
Farm Machineries				
Integrated Farming System				

Seed / Plant production				
Post Harvest Technology / Value addition	Moringa leaf	Moringa leaf powder based iron supplement for treating anemia deficiency in women	15	15
	Wheat + Moringa leaf	Enrichment of wheat flour with Moringa oleifera leaf powder to combat malnutrition among ST women	15	15
Drudgery Reduction	Groundnut	Assessment of groundnut stripper for drudgery reduction among women	07	07
Storage Technique				
Others (Pl. specify)				
Total			**55**	**55**

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				
Evaluation of Breeds				
Feed and Fodder management				
Nutrition Management				
Production and Management				
Others (Pl. specify)				
Total				

Summary of technologies assessed under various enterprises by KVKs

Thematic areas	Enterprise	Name of the technology assessed	No. of trials	No. of farmers

Note: Suppose **IPM in paddy** is the technology assessed by 50 KVKs in the Zone with 5 trials by each KVK, then IPM in paddy needs to be considered as a single technology, with 50*5 = 250 trials and No. of KVKs will be 50. In addition, please note that even if IPM in paddy is done with various combinations of Technology Options (treatments), it may be considered as a single technology only.

I.B. TECHNOLOGY ASSESSMENT IN DETAIL

(From each state please include the full details of three OFTs on technology assessment and or refinement under the broad thematic areas such as Integrated Crop Management, weed management, pest and disease management, nutrient management, resource conservation, livestock enterprises, Integrated Nutrient Management)

OFT-1

Problem definition: Direct sowing in field & higher management cost.

Technology Assessed or Refined**:** *Assessment of Plug tray nursery raising of cucurbits in soil less media.*

An on farm trail was conducted by KVK Mahoba to assess the Plug tray nursery raising of cucurbits in soil less media among farmers of Mahoba district, in which 19.5 % yield was recorded in plots of transplanted seedlings due to longer growing period. BCR was also better in transplanted plots due to low seed rate & less expenses during initial stage.

Table: Effect of plug tray nursery raising & transplanting

Technology Option	***No.of trials***	***5 leaf stage Days***	***Survival %***	***Days to first harvest***	***Yield(q/ha)***	***%yield increase***	***Gross cost***	***Gross return***	***Net return***	***BCR***
T_1 – Farmers practice	*13*	*34*	*78*	*67*	*187.60*	-	*91880*	*187600*	*95720*	*2.04*
T_2 – ***plug tray nursery raising & transplanting***		*23*	*94*	*54*	*224.20*	*19.50*	*76330*	*224000*	*147670*	*2.93*

OFT-2

Problem definition: Very low yield in Hast Bahar

Technology Assessed or Refined**:** *Assessment of effect of PGR & chemicals on least Bahar management in Acid lime*

On farm trail was conducted to assess the effect of PGR & chemicals on least Bahar management in Acid lime by KVK, Mahoba during 2022-23.Observations revealed that Yield during Hast Bahar was significantly much higher (14.62 q/ha) than farmers practice (2.96 q/ha) which influenced Net return & BCR too significantly.

Table: Effect of plug tray nursery raising & transplanting

Technology Option	***No.of trials***	***Fruit Wt(g)***	***No. Fruits / Plant***	***Yield during summer(q/ha)***	***Total yield***	***Gross cost***	***Gross return***	***Net return***	***BCR***
T_1 – Farmers practice (No Management)	*5*	*34.2*	*31.2*	*2.96*	*36.20*	*34000*	*90160*	*56160*	*2.65*
T_2 – Hast Bahar Management by folior spary of 50ppm GA3 in June, 1000 ppm Cycocel in September & 1% KNO3 in October month.		*37.6*	*140.4*	*14.62*	*36.42*	*42500*	*130920*	*88420*	*3.08*

OFT-3

DRUDGERY REDUCTION

Problem definition: assessment of groundnut stripper for drudgery reduction among farm women

Technology Assessed or Refined: groundnut stripper

An on farm trial was conducted by KVK, Mahoba to assess the performance of groundnut stripper for drudgery reduction among farm women of district. Groundnut stripper reduced the energy expenditure from 8.13 to 7.02 kj/min. and heart rate upto 7 beats/min. Average percent increase in efficiency was found 69.44 and Average percent reduction in drudgery was 13.65 with use of groundnut stripper.

Table: Effect of weeding tool (bicycle weeder) on body drudgery reduction among farm women

Technology Option	*No.of trials*	*Average of output (m^2/hr)*	*Average of % increase in efficiency*	*Average WHR (beats/min.)*	*Est. energy expenditure (kj/min.)*	*Average of % reduction in drudgery*	*Cardiac cost of work*
T_1 – Farmers practice (Hand separation of groundnut pod)	*7*	*3.3*	-	*106*	*8.13*	-	*30*
T_2 – Groundnut stripper		*10.8*	*69.44*	*99*	*7.02*	*13.65*	*23*

OFT 4

Women and child care

Problem definition: Prevalence of iron deficiency Anemia (IDA) in women (reproductive age group 15-45 years) of Bundelkhand region

Technology Assessed or Refined: Moringa leaf powder based iron supplement (Mixture of moringa leaf powder 80% + Jaggery20%) (Mixture of moringa leaf powder 80% + Jaggery20%)

KVK, Mahoba in Uttar Pradesh conducted on-farm trial on Effect of Moringa leaf powder in treating iron deficiency Anemia (IDA) among women of reproductive age group (15-45 years). Moringa leaf powder based iron supplement(Mixture of moringa leaf powder 80% + Jaggery 20%)was found effective in increase of hemoglobin level as it was found 9.5g/dl on pre blood test and 11.2 g/dl on post blood test.

Table Effect of prepared iron supplement on hemoglobin level of women of reproductive age group

Technology Option	***No.of trials***	**Average Hb level (g/dl)**		**Cost of prepared iron supplement (Rs./100g)**	**Sensory parameter score (over all acceptability)**
		Pre blood test (Prevailing Practice)	**Post blood test**		
T_1 - Farmers practice (Routine diet with insufficient iron supplement)	15	9.5	9.54	-	-
T_2 –Prepared iron supplement (Mixture of moringa leaf powder 80% + Jaggery20%)		9.5	11.2	15	7

OFT 5

Women and child care

Problem definition: Prevalence of Malnutrition in children/women of schedule tribe community

Technology Assessed or Refined: Wheat Flour+ Moringa leaf powder (95:5)

KVK, Mahoba in Uttar Pradesh conducted on-farm trial on enrichment of wheat flour with *Moringa oleifera* leaf powder to combat malnutrition. Moringa leaf powder enriched wheat flour was found effective in increase of hemoglobin level as it was found 9.75g/dl on pre blood test and 10.5 g/dl on post blood test.

Table Effect of wheat flour enriched with Moringa oleifera leaf powder on hemoglobin level of schedule tribe community women

Technology Option	***No.of trials***	**Average Hb level (g/dl)**		**Cost of prepared iron supplement (Rs./100g)**	**Sensory parameter score (over all acceptability)**
		Pre blood test (Prevailing Practice)	**Post blood test**		
T_1 - Exsisting practice (Wheat flour 100%)	15	9.75	-	30	9
T_2 – Wheat Flour+Moringa leaf powder (95:5)		9.75	10.5	32	8

II. FRONTLINE DEMONSTRATION

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

List of technologies demonstrated during previous year and popularized during 2023-24 and recommended for large scale adoption in the district

S. No	Crop/ Enterprise	Thematic Area*	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
					No. of villages	No. of farmers	Area in ha
1	Pegionpea	Crop Imp.	IPA-206	Cluster demonstrations and seed distribution	08	50	20
2	Blackgram	Crop Imp.	IPU 13-1	Cluster demonstrations and seed distribution	12	175	70
3	Sesame	Crop Imp.	GT-06	Cluster demonstrations and seed distribution	09	61	24.4
4	Groundnut	Crop Imp.	GJG-22	Cluster demonstrations and seed distribution	03	15	06
5	soyabean	Crop Imp.	JS-2034	Cluster demonstrations and seed distribution	01	25	10
6	Kitchen garden	Nutritional food security	Vegetable seed kit	Preomotion through state livelihood mission	01	50	-
7	Lentil	Crop Imp.	KLB-345	Cluster demonstrations and seed distribution	12	75	30
8	Mustard	Crop Imp.	RH-749	Cluster demonstrations and seed distribution	10	95	38
9	Kitchen garden	Nutritional food security	Vegetable seed kit	Preomotion through state livelihood mission	06	50	-
10	Tomato	Varietal	Arka Samrat	Promotion under NHM	9	20	1.0
11	Onion	Varietal	L-883	Promotion under NHM	7	11	1.0

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

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

(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 in achievement
					Proposed	Actual	SC/ST	Others	Total	
1	Pegionpea		IPA-206	Kharif 2023	20	20	12	38	50	
2	Blackgram		IPU 13-1	Kharif 2023	70	70	46	129	175	
3	Sesame		GT-06	Kharif 2023	30	24.4	07	54	61	Seed unavailibility
4	Groundnut		GJG-22	Kharif 2023	06	06	03	12	15	
5	soyabean		JS-2034	Kharif 2023	10	10	05	20	25	
6	Kitchen garden	Nutritional food security	Vegetable seed kit	Kharif 2023	-	-	01	49	50	
7	Lentil		KLB-345	Rabi 2023-24	30	30	09	66	75	
8	Mustard		RH-749	Rabi 2023-24	38	38	11	84	95	
9	Kitchen garden	Nutritional food security	Vegetable seed kit	Rabi 2023-24	-	-	28	22	50	
10	Tomato	Varietal	Arka Samrat	Kharif 2023	1.0	1.0	0	20	20	
11	Onion	Varietal	L-883	Rabi2022-23	1.0	1.0	1	11	12	

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
Sesame	*Kharif*, 2023	Rainfed	Padwaand Kabar				Chickpea, Chickpea, Fieldpea, Barley, Wheat, Lentil, Mustard	03.07. 2023-15.07. 2023	22.09. 2023 – 29.09. 2023	369.83	23
Soyabean	*Kharif*, 2023	Rainfed	Padwaand Kabar					12.07. 2023-17.07. 2023	10.10.2023-16.10.2023	369.83	23
Pigeon pea	*Kharif*, 2023	Rainfed	Padwa, Mar and Kabar					02.07. 2023-15.07. 2023	-	382.83	26
Mustard	*Rabi* , 2022-23	Rainfed/ Irrigated	Padwa, Mar and Kabar				Seasame, Blackgram, greengram, Groundnut	05.10. 2023-05.11. 2023	-		
Lentil	*Rabi* , 2023-24	Rainfed	Mar and Kabar					20.10. 2023-02.11. 2023	-		
Wheat	*Rabi* , 2023-24	Irrigated	Padwa, Mar and Kabar					25.11.2023-05.12.2023	-		
Tomato	*Post Kharif 2023-24*	Irrigated	Padwa, Mar and Kabar					08.10.2023-25.10.2023	-		
Kharif Onion	*Kharif, 2023*	Rainfed	Padwa, Mar, Kabar				Wheat, Fieldpea	15.07. 2023 30.07. 2023	25.12.2023-05.01.2024	382.83	26
Kitchen Garden	Kharif, Rabi & Summer	Irrigated	Padwa, Mar and Kabar				-	June, October, February	Round the year	382.83	26

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

S. No	**Feed Back for researchers**	**Feedback for line department**
1		
2		

Technical feedback on specific technologies demonstrated in FLDs

S. No	**Feed Back**
1	
2	

Extension and Training activities under FLD

Sl.No.	**Activity**	**No. of activities organised**	**Date**	**Number of participants**	**Remarks**
1	Field days	3	30.09.2023 04.10.2023 06.10.2023	41 32 29	
2	Farmers Training	08	-	471	
3	Media coverage	08			
4	Training for extension functionaries				

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					Demo												
							High	Low	Average	Check plot		High	Low	Average	Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Groundnut		ICM	GJG-022	15	6							26.4	17.65	21.85	19.4	12.63	73800	139337.45	65537.45	1.89	71500	123713.8	52213.8	1.73
Sesamum		ICM	GT-06	61	24.4							6.27	4.04	4.94	3.88	22.89	19900	42656.9	22756.9	2.14	17600	34712.7	17112.7	1.97
Mustard		ICM	RH-749	71	28.33							8.8	4	17.01	11.34	35.13	24075	92730.5	68655.5	3.85	21970	61778.19	39808.19	2.81
Mustard		ICM	RH-749	95	38							Result awaited												
Toria																								
Linseed																								
Sunflower																								
Soybean		ICM	JS-2034	25	10							16.2	10.1	13.94	10.9	27.86	38000.00	72473.44	34473.44	1.91	35000.00	56680.00	21680.00	1.62

* 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		Integarted crop management of Groundnut GJG-22 by including seed and soil treatment with trichoderema and application of Sulphur@ 10 Kg/acre should be promoted.
2		Integarted crop management of Mustrad RH-749 by including application of Sulphur@ 10 Kg/acre and folior application of Nano Urea should be promoted.
3		Integarted crop management of Soyabean by including seed and soil treatment with trichoderema and application of Sulphur@ 10 Kg/acre should be promoted.
4	Sesame variety with short height multi branched and more no of capsules for the region will increase the area and production	

Technical feedback on specific technologies demonstrated in FLDs

S. No	**Feed Back**
1	
2	

Frontline demonstration on pulse crops January,2023-December,2023 Results

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					Demo												
							High	Low	Average	Check plot		High	Low	Average	Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Pigeonpea			IPA-203	25	10									13.97	10.06	38.87	25730	92202	64413	3.58	24540	66383	39880	2.71
Pigeonpea			IPA-206	50	20									Result Awaited										
Blackgram			IPU 13-1	175	70									5.84	4.5	29.31	30000	46720	16720	1.56	30000	36114.285	6114.285	1.2
Greengram																								
Chickpea			RVG-202	50	20									19.06	15.12	26.23	28850	101685.1	72835.1	3.52	27550	80640.72	53090.72	2.93

Fieldpea			IPFD 12-2	50	20									20.07	16.22	23.67	27800	85276.25	57476.25	3.07	27150	68955.83	41805.83	2.54
Lentil			IPL-315	25	10									10.43	8.25	26.4	28850	62599.6	33749.6	2.17	27550	49492.8	21942	1.8
Lentil			IPL-220	75	30									Result awaited										
Horsegram																								

* 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	Farmers appreciated the yield of Blackgram IPU 13-1 than previous variety they have used	
2	Farmers appreciated the yield of Piegion pea IPA -203 than previous variety they have used and gives acceptable cost benefit ratio	
3	Farmers appreciated the yield potential of Field pea IPFD 12-2 but due to comparatively smaller grain size this variety get lower price in market hence variety with bold seed and similar yield potential is desired	
4	Farmers appreciated the yield of Chickpea RVG 202 they are willing to grow this variety in coming season and popularize among farmers	
5	Farmers appreciated the yield of Lentil IPL-315 and they promised to adapt this variety in his cropping system	

Technical feedback on specific technologies demonstrated in FLDs

S. No	**Feed Back**
1	Chickpea RVG 202 is a very good variety for cultivation gives high yield and net return
2	Field Pea IPFD 12-2 is a Good variety for district which bears more number of pods and yield
3	Lentil IPL-315, Variety is suitable for cultivation gives good yield and net return
4	Pigeon pea IPA-203, Good yield potential and long duration variety.
5	Blackgram IPU 13-1 very good variety and gives higher yield and net return

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																								
Waterlogged Situation																								
Coarse Rice																								
Scented Rice																								
Wheat			K-1317	25	10									44.46	38.56	15.3	94477.5	34500	59977	2.74	81940	32500	49440	2.5
Wheat			DBW-187	13	5									Result awaited										
Wheat Timely sown																								

Wheat Late Sown																								
Mandua																								
Barley			BHS-400	13	5									37.05	31.6	17.24	32100	64281.5	32181.75	2	31500	54826	23326	1.74
Maize																								
Amaranth																								
Millets																								
Jowar																								
Bajra																								
Barnyard millet																								
Finger millet																								
Vegetables																								
Bottlegourd																								
Bittergourd																								

Cowpea																								
Spongegourd																								
Petha																								
Tomato			Arka Samrat	20	1							694.3	462.5	591.3	397.2	32	136000	295650	159650	2.17	132000	198600	66600	1.5
Tomato			Arka Samrat	30	1							Result Awaited												
Frenchbean																								
Capsicum																								
Chilli																								
Brinjal																								
Vegetable pea																								
Softgourd																								
Okra																								

Colocasia (Arvi)																								
Broccoli																								
Cucumber																								
Onion			L-883	11	1							238.4	186.2	213.3			153350	319950	166600	2.09				
Onion			L-883	12	1							Result Awaited												
Coriender																								
Lettuce																								
Cabbage																								
Cauliflower																								
Elephant fruit																								
Flower crops																								
Marigold																								
Bela																								
Tuberose																								

Gladiolus																								
Fruit crops																								
Mango																								
Strawberry																								
Guava																								
Banana																								
Papaya																								
Muskmelon																								
Watermelon																								
Spices & condiments																								
Ginger																								
Garlic																								

Turmeric																								
Commercial Crops																								
Sugarcane																								
Potato			Kufri Pukhraj	20	1									214.5	38.56		139425	59700	79725	2.34	81940	39477	42463	2.08
Medicinal & aromatic plants									New															
Mentholment																								
Kalmegh																								
Ashwagandha																								
Fodder Crops																								
Sorghum (F)																								
Cowpea (F)																								
Maize (F)																								

Lucern																								
Berseem																								
Oat (F)																								

* 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		Cultivation of multi disease resistant tomato Hybrid Arka Samrat should be promoted for large area cultivation
2	Onion L883 is producing large size bulbs in fertile soils wheareas medium size bulbs are more in demand.	Onion L883 is suitable for cultivation during Kharif in the district.

Technical feedback on specific technologies demonstrated in FLDs

S. No	**Feed Back**
1	Tomato Hybrid Arka Samrat produced 32 % higher yield and market desired shape and size of fruit
2	Onion L883 is suitable for cultivation during Kharif in the district and producing average yield of 213.30 Quintal/ha .

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																	

Buffalo																		
Buffalo Calf																		
Dairy																		
Poultry	Poultry management	Kadaknath	20	500						10700	81000	71000	7.5					
Sheep & Goat	Goatry Management	Bundelkhandi/Barbari	28	100						3200	10630	7430	3.3					
Vaccination																		

* 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		
2		

Technical feedback on specific technologies demonstrated in FLDs

S. No	**Feed Back**
1	
2	

FLD on Fisheries

Category	**Thematic area**	**Name of the technology demonstrated**	**No. of Farmer**	**No.of units**	**Major parameters**		**% change in major parameter**	**Other parameter**		**Economics of demonstration (Rs.)**				**Economics of check (Rs.)**			
					Demonstration	**Check**		**Demonstration**	**Check**	**Gross Cost**	**Gross Return**	**Net Return**	**BCR (R/C)**	**Gross Cost**	**Gross Return**	**Net Return**	**BCR (R/C)**
Common Carps																	

Composite fish culture																
Feed Management																

* 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		
2		
3		
4		

Technical feedback on specific technologies demonstrated in FLDs

S. No	**Feed Back**
1	
2	
3	
4	

FLD on Other enterprises

Category	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		Economics of demonstration (Rs.) or Rs./unit				Economics of check (Rs.) or Rs./unit			
				Demo	Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Oyster Mushroom																
Button Mushroom																
Apiculture																
Maize Sheller																
Value Addition																
Vermi Compost																

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

S. No	**Feed Back for researchers**	**Feedback for line department**
1		
2		

Technical feedback on specific technologies demonstrated in FLDs

S. No	**Feed Back**
1	
2	

FLD on Women Empowerment

Category	Name of technology	No. of demonstrations	Name of observations	Demonstration	Check

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

S. No	Feed Back for researchers	Feedback for line department
1		
2		

Technical feedback on specific technologies demonstrated in FLDs

S. No	Feed Back
1	
2	

FLD on Farm Implements and Machinery

Name of the implement	Crop	Technology demonstrated	No. of Farmer	Area (ha)	Major parameters	Filed observation (output/man hour)		% change in major parameter	Labor reduction (man days)				Cost reduction (Rs./ha or Rs./Unit etc.)			
						Demo	Check		Land preparation	Sowing	Weeding	Total	Land preparation	Labour	Irrigation	Total

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

S. No	Feed Back for researchers	Feedback for line department
1		
2		

Technical feedback on specific technologies demonstrated in FLDs

S. No	Feed Back
1	
2	

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	Other parameters		Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Kitchen Gardening		Nutrition Garden	50	50	770		100			1850	7700	5850	4.1				
Sesonal Vegetable(Rabi/Kharif/Zaid)	Household food security	Nutrition garden in grow bags	17	17	236		100			1460	4355	2895	2.98				
Kitchen Gardening		Nutrition Garden	50	50	Result 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	Other Seasonal vegetables appropriate fr the bundelkhand region need to be promoted	Seasonal vegetable seed kit should be distributed to farmers through different schemes for promotion of nutritional garden in each village
2		

Technical feedback on specific technologies demonstrated in FLDs

S. No	Feed Back
1	
2	

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

Crop	Technology demonstrated	Hybrid Variety	No. of Farmers	Area (ha)	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)			
					Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)
					High	Low	Average						
Oilseed crop													
Pulse crop													

Cereal crop													
Vegetable crop													
Fruit crop													
Other (specify)													

Note : Remove the Enterprises/crops which have not been shown

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

S. No	**Feed Back for researchers**	**Feedback for line department**
1		
2		

Technical feedback on specific technologies demonstrated in FLDs

S. No	**Feed Back**
1	
2	

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)		
KVK Field	Wheat	HD-1620	0.133	16.76		Wheat	HD-1620	0.133	33.98		05.11.2022	21.03.2023
KVK Field	Linseed	BUAT Linseed-1	0.133	8.46	30866	Linseed	BUAT Linseed-1	0.133	11.04	28234	05.11.2022	21.03.2023
KVK Field	Chickpea	IPC 2006-77	0.133	11.5	48128	Chickpea	IPC 2006-77	0.133	22	38218	05.11.2022	21.03.2023
1	Wheat	WH147	0.4	25	25400	Wheat	WH147	1	41	46200	13.11.2022	28.03.2023
2	Wheat	Raj-4120	0.4	30	27500	Wheat	Raj-4120	0.6	45	46500	18.11.2022	02.04.2023
3	Wheat	DWR-187	0.4	36.4	41500	Wheat	DWR-187	0.2	45.9	44000	22.10.2022	28.03.2023
4	Wheat	Shriram-111	0.4	34	34400	Wheat	Shriram-111	0.6	48	41000	16.11.2022	31.03.2023
5	Wheat	WH-147	0.4	32	39600	Wheat	Shriram-111	0.4	42.6	49000	18.11.2022	03.04.2023
6	Wheat	WH-147	0.4	23	25400	Wheat	WH-147	1	36	42400	18.11.2022	02.04.2023
7	Wheat	WH-147	0.4	21	28000	Wheat	WH-147	0.2	39	46200	22.11.2022	05.04.2023
8	Wheat	Shriram-303	0.4	38	31000	Wheat	Shriram-303	0.2	55	31500	18.11.2022	04.04.2023
9	Wheat	Shriram-111	0.4	33.2	38800	Wheat	Shriram-111	0.8	42.9	47800	08.12.2023	12.04.2023
10	Wheat	Pusa Tejas	0.6	51	41000	Wheat	WH-147	0.65	36	35000	06.11.2022	16.03.2023
11	Wheat	Shriram-111	0.4	31	33000	Wheat	Shriram-111	0.4	32	31000	24.10.2022	10.03.2023
12	Wheat	Shriram-303	0.4	42	34500	Wheat	Shriram-303	0.2	50	39500	14.11.2022	24.03.2023
13	Wheat	Shriram-303	0.4	45	41000	Wheat	Shriram-303	2	42	39500	13.11.2022	20.03.2023

14	Wheat	DWR-187	0.4	25	48600	Wheat	DWR-187	0.6	48	55800	25.12.2022	12.04.2023
15	Wheat	DWR-187	0.4	36.2	37800	Wheat	DWR-187	0.4	42.5	39500	22.11.2022	29.03.2023
16	Wheat	Ankur Mangesh	0.4	34.4	42300	Wheat	Ankur Mangesh	0.4	39.6	51200	20.10.2022	22.03.2023

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)	Ca (Kg/ha)	Mg (Kg/ha)	Zn (Kg/ha)	Others	Bacterial count (Nos.)	Fungi (Nos.)	Actinomycetes (Nos.)	Phosphorus Solubilizer (Nos.)	N Fixers (Nos.)
Mahoba	**KVK Field**		9	246.4	0.3			2.0384	S-20.16 kg/ha,Fe-6.41 kg/ha, Mn-6.12 kg/ha, Cu-4.3 kg/ha					

3) 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	Mahoba	Dadri	Dhwaj Pal Singh	6307784912	0.4
2	Mahoba	Budhaura	Jashoda	6306615492	0.4
3	Mahoba	Budhaura	Chandrakali	9044737911	0.4
4	Mahoba	Bhandra	Kamal Kishore	9336132589	0.4
5	Mahoba	Bhandra	Seva Lal	7388519475	0.4
6	Mahoba	Ghatera	Akhilesh Kumar	9651503119	0.4
7	Mahoba	Dadri	Manmohan	6306845335	0.4
8	Mahoba	Bhujpura	Vindravan	9695371807	0.4
9	Mahoba	kaithora	Nand Kishore	9793977151	0.4

10	Mahoba	Sejehri	Mahesh Kumar	7510075555	0.6
11	Mahoba	Atarpatha	Rajendra Kumar	9005466231	0.4
12	Mahoba	Thurat	Ghanshyam	9369472756	0.4
13	Mahoba	Charkhari	Jitendra Gupta	6307849278	0.4
14	Mahoba	Ladpur	Hari Prakash	8004524381	0.4
15	Mahoba	Ladpur	Vasudev	9621406909	0.4
16	Mahoba	Supa	Brjimohan	9935492133	0.4

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									
2									
3									

5) Natural Farming Nodal officer & Associate Name

S.No.	Name of KVK	Name of Head/SMS	Discipline/Subject	Mobile No.
1	**Mahoba**	**Dr. Brijesh Pandey**	**SMS(Horticulture)**	**9430955950**

6) 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)	Ca (Kg/ha)	Mg (Kg/ha)	Zn (Kg/ha)	Others	Bacterial count (Nos.)	Fungi (Nos.)	Actinomycetes (Nos.)	Phosphorus Solubilizer (Nos.)	N Fixers (Nos.)

IV. Drone Project

1) Details of Drone Training

S.No	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 Trainee	Training Schedule	Remarks about Training Schedule

2) Details of Nodal officers under Drone Project

S.No	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	Funds for conducting demonstration Rs.@ 0.03 lakh/demo Rs. In lakh	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)

V. DAMU Project

Project Details

1. Name of Damu, District, ATARI zone and Year

DAMU Name :

Name of Blocks:

Year of start of AAS at DAMU:

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**	**STD code Telephone no. & Fax**	**Email-id**
Head of ATARI				
Head of KVK				
Project Coordinator (PC)				
SMS				
Agromet Observer (AO)				

5. Date of start of Agromet Advisory Bulletins:

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

I) Air Station :

II) TV Station :

III) Railway Station:

7. Status of Agro-AWS

7.1 Date of installation of AWS :

7.2 List of instruments presently available in working condition:

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

7.4 Please provide frequency of observation, exposure conditions of the site etc.

7.6 Number of years of data records available:

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)

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

8. Details of Agromet Advisory Services

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

ii. When do you receive the forecasts from MC/RMC?

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

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

v. List the modes of mass communication adopted for AAS dissemination:

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

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)

viii. No of SMS sent through Kisan Portal and how many farmers were benefitted during the year

ix. List of other organizations receiving Agromet advisories:

9. Verification results of District and Block level weather forecast

10. Economic impact of Agromet advisory services:

11. Mobile APP based Agromet advisory services for farmers:

12. Feedback from progressive farmers:

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											
Weed Management	Integarted Weed Management in oilseed crops	1	0	0	0	26	14	40	26	14	40
Resource Conservation Technologies					0			0	0	0	0
Cropping Systems					0			0	0	0	0
Crop Diversification					0			0	0	0	0
Integrated Farming					0			0	0	0	0
Micro Irrigation/irrigation					0			0	0	0	0
Seed production					0			0	0	0	0
Nursery management					0			0	0	0	0
Integrated Crop Management	ICM in Pulses(Blackgram, Pigeon pea, Lentil), ICM in Oilseeds (Soyabean, Groundnut,Sesame,Mustard)	8	355	49	404	86	6	92	441	55	496
Soil & water conservatioin					0			0	0	0	0
Integrated nutrient management					0			0	0	0	0
Production of organic inputs					0			0	0	0	0
Others (pl specify)				0	0		0	0	0	0	0
Total		**9**	**355**	**49**	**404**	**112**	**20**	**132**	**467**	**69**	**536**
II Horticulture											
a) Vegetable Crops											
Production of low value and high valume crops	Improved cultivation techniques of Hybrid tomato.	1	0	0	0	32	3	35	32	3	35
Off-season vegetables	Kharif Onion Production And Storage Techniques	1	16	0	16	0	0	0	16	0	16
Nursery raising					0			0	0	0	0
Exotic vegetables					0			0	0	0	0
Export potential vegetables					0			0	0	0	0
Grading and standardization					0			0	0	0	0
Protective cultivation					0			0	0	0	0
Others (pl specify)					0			0	0	0	0
Total (a)		**2**	**16**	**0**	**16**	**32**	**3**	**35**	**48**	**3**	**51**
b) Fruits											
Training and Pruning					0			0	0	0	0
Layout and Management of Orchards					0			0	0	0	0
Cultivation of Fruit	Scientic cultivation Techniques of papaya	2	32	1	33	14		14	46	1	47
Management of young plants/orchards					0			0	0	0	0
Rejuvenation of old orchards					0			0	0	0	0
Export potential fruits					0			0	0	0	0

Micro irrigation systems of orchards					0			0	0	0	0
Plant propagation techniques					0			0	0	0	0
Others (pl specify)					0			0	0	0	0
Total (b)		**2**	**32**	**1**	**33**	**14**	**0**	**14**	**46**	**1**	**47**
c) Ornamental Plants											
Nursery Management					0			0	0	0	0
Management of potted plants					0			0	0	0	0
Export potential of ornamental plants					0			0	0	0	0
Propagation techniques of Ornamental Plants					0			0	0	0	0
Others (pl specify)					0			0	0	0	0
Total (c)		0	0	0	0	0	0	0	0	0	0
d) Plantation crops											
Production and Management technology					0			0	0	0	0
Processing and value addition					0			0	0	0	0
Others (pl specify)					0			0	0	0	0
Total (d)		0	0	0	0	0	0	0	0	0	0
e) Tuber crops											
Production and Management technology					0			0	0	0	0
Processing and value addition					0			0	0	0	0
Others (pl specify)					0			0	0	0	0
Total (e)		0	0	0	0	0	0	0	0	0	0
f) Spices											
Production and Management technology					0			0	0	0	0
Processing and value addition					0			0	0	0	0
Others (pl specify)					0			0	0	0	0
Total (f)		0	0	0	0	0	0	0	0	0	0
g) Medicinal and Aromatic Plants											
Nursery management		0			0			0	0	0	0
Production and management technology		1	27	0	27	8	0	8	35	0	35
Post harvest technology and value addition					0			0	0	0	0
Others (pl specify)					0			0	0	0	0
Total (g)		**1**	**27**	**0**	**27**	**8**	**0**	**8**	**35**	**0**	**35**
GT (a-g)		**5**	**75**	**1**	**76**	**54**	**3**	**57**	**129**	**4**	**133**
III Soil Health and Fertility Management											
Soil fertility management											
Integrated water management											
Integrated Nutrient Management											
Production and use of organic inputs											

Management of Problematic soils											
Micro nutrient deficiency in crops											
Nutrient Use Efficiency											
Balance use of fertilizers											
Soil and Water Testing											
Others (pl specify)											
Total											
IV Livestock Production and Management											
Dairy Management											
Poultry Management											
Piggery Management											
Rabbit Management											
Animal Nutrition Management											
Disease Management											
Feed & fodder technology											
Production of quality animal products											
Others (pl specify)											
Total											
V Home Science/Women empowerment											
Household food security by kitchen gardening and nutrition gardening	Nutritional security through Kitchen garden, Importance of Nutritional Garden for Human Health	2	0	0	0	31	35	66	31	35	66
Design and development of low/minimum cost diet					0			0	0	0	0
Designing and development for high nutrient efficiency diet	Protien & Energy rich diet for school going children	1	0	11	11	0	17	17	0	28	28
Minimization of nutrient loss in processing					0			0	0	0	0
Processing and cooking					0			0	0	0	0
Gender mainstreaming through SHGs					0			0	0	0	0
Storage loss minimization techniques					0			0	0	0	0
Value addition	vegetable preservation techniques for off season consumption	1			0		37	37	0	37	37
Women empowerment					0			0	0	0	0
Location specific drudgery reduction technologies					0			0	0	0	0
Rural Crafts	Craft from waste material for income generation	1	0	16	16	0	16	16	0	32	32

Women and child care					0			0	0	0	0
Others (pl specify)					0			0	0	0	0
Total		**5**	**0**	**27**	**27**	**31**	**105**	**136**	**31**	**132**	**163**
VI Agril. Engineering											
Farm Machinary and its maintenance											
Installation and maintenance of micro irrigation systems											
Use of Plastics in farming practices											
Production of small tools and implements											
Repair and maintenance of farm machinery and implements											
Small scale processing and value addition											
Post Harvest Technology											
Others (pl specify)											
Total											
VII Plant Protection											
Integrated Pest Management	Integrated Pest Management in Pulse crop,Integrated Pest Management Integrated Pest Managemnet in Rabi Crops	4	24	11	35	71	22	93	95	33	128
Integrated Disease Management					0			0	0	0	0
Bio-control of pests and diseases					0			0	0	0	0
Production of bio control agents and bio pesticides					0			0	0	0	0
Others (pl specify)					0			0	0	0	0
Total		**4**	**24**	**11**	**35**	**71**	**22**	**93**	**95**	**33**	**128**
VIII Fisheries											
Integrated fish farming											
Carp breeding and hatchery management											
Carp fry and fingerling rearing											
Composite fish culture											
Hatchery management and culture of freshwater prawn											
Breeding and culture of ornamental fishes											
Portable plastic carp hatchery											
Pen culture of fish and prawn											
Shrimp farming											
Edible oyster farming											
Pearl culture											
Fish processing											

and value addition											
Others (pl specify)											
Total											
IX Production of Inputs at site											
Seed Production					0			0	0	0	0
Planting material production					0			0	0	0	0
Bio-agents production					0			0	0	0	0
Bio-pesticides production					0			0	0	0	0
Bio-fertilizer production					0			0	0	0	0
Vermi-compost production					0			0	0	0	0
Organic manures production	Scientific Techniques of Natural Farming	2	61	5	66	14		14	75	5	80
Production of fry and fingerlings					0			0	0	0	0
Production of Bee-colonies and wax sheets					0			0	0	0	0
Small tools and implements					0			0	0	0	0
Production of livestock feed and fodder					0			0	0	0	0
Production of Fish feed					0			0	0	0	0
Mushroom Production					0			0	0	0	0
Apiculture					0			0	0	0	0
Others (pl specify)					0			0	0	0	0
Total		**2**	**61**	**5**	**66**	**14**	**0**	**14**	**75**	**5**	**80**
X Capacity Building and Group Dynamics											
Leadership development											
Group dynamics											
Formation and Management of SHGs											
Mobilization of social capital											
Entrepreneurial development of farmers/youths											
WTO and IPR issues											
Others (pl specify)											
Total											
XI Agro-forestry											
Production technologies											
Nursery management											
Integrated Farming Systems											
Others (pl specify)											
Total											
GRAND TOTAL		**25**	**515**	**93**	**608**	**282**	**150**	**432**	**797**	**243**	**1040**

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											
Weed Management		0	0	0	0		0	0	0	0	0
Resource Conservation Technologies					0			0	0	0	0
Cropping Systems					0			0	0	0	0
Crop Diversification					0			0	0	0	0
Integrated Farming					0			0	0	0	0
Micro Irrigation/irrigation					0			0	0	0	0
Seed production					0			0	0	0	0
Nursery management					0			0	0	0	0
Integrated Crop Management					0			0	0	0	0
Soil & water conservatioin					0			0	0	0	0
Integrated nutrient management					0			0	0	0	0
Production of organic inputs	Organic & Natural Farming Techniques	1	0	0	0	33	0	33	33	0	33
Others (pl specify)	Improved cultivation of food crops	1	0	0	0	30	3	33	30	3	33
Total		**2**	**0**	**0**	**0**	**63**	**3**	**66**	**63**	**3**	**66**
II Horticulture											
a) Vegetable Crops											
Production of low value and high valume crops	Advance production technology of summer vegetables, Production Technology of legume vegetables	2	30	17	47	21		21	51	17	68
Off-season vegetables					0			0	0	0	0
Nursery raising	Nursery management in Vegetable crop	1	10	8	18	7	2	9	17	10	27
Exotic vegetables	Scientific cultivation of cole crops	1	25	0	25	0	0	0	25	0	25
Export potential vegetables					0			0	0	0	0
Grading and standardization					0			0	0	0	0
Protective cultivation					0			0	0	0	0
Others (pl specify)					0			0	0	0	0
Total (a)		**4**	**65**	**25**	**90**	**28**	**2**	**30**	**93**	**27**	**120**
b) Fruits											
Training and Pruning	Tarining on bahar treatment in fruit crops	1	16	2	18	7		7	23	2	25
Layout and Management of Orchards	Management of new orchard	1	23		23			0	23	0	23
Cultivation of Fruit					0			0	0	0	0
Management of young plants/orchards					0			0	0	0	0
Rejuvenation of old orchards					0			0	0	0	0
Export potential fruits					0			0	0	0	0
Micro irrigation systems of orchards	Estaiblishmnet of new orchard through micro irrigation system	1	24	1	25			0	24	1	25
Plant propagation techniques					0			0	0	0	0
Others (pl specify)					0			0	0	0	0
Total (b)		**3**	**63**	**3**	**66**	**7**	**0**	**7**	**70**	**3**	**73**
c) Ornamental Plants											
Nursery Management					0			0	0	0	0
Management of potted plants					0			0	0	0	0
Export potential of ornamental plants					0			0	0	0	0
Propagation techniques of Ornamental Plants					0			0	0	0	0

Others (pl specify)					0			0	0	0	0
Total (c)		0	0	0	0	0	0	0	0	0	0
d) Plantation crops											
Production and Management technology					0			0	0	0	0
Processing and value addition					0			0	0	0	0
Others (pl specify)					0			0	0	0	0
Total (d)		0	0	0	0	0	0	0	0	0	0
e) Tuber crops											
Production and Management technology					0			0	0	0	0
Processing and value addition					0			0	0	0	0
Others (pl specify)					0			0	0	0	0
Total (e)		0	0	0	0	0	0	0	0	0	0
f) Spices											
Production and Management technology					0			0	0	0	0
Processing and value addition					0			0	0	0	0
Others (pl specify)					0			0	0	0	0
Total (f)		0	0	0	0	0	0	0	0	0	0
g) Medicinal and Aromatic Plants											
Nursery management	Organic nursery raising technique of Basil	1	27	0	27	8	0	8	35	0	35
Production and management technology					0			0	0	0	0
Post harvest technology and value addition					0			0	0	0	0
Others (pl specify)					0			0	0	0	0
Total (g)		**1**	**27**	**0**	**27**	**8**	**0**	**8**	**35**	**0**	**35**
GT (a-g)		**8**	**155**	**28**	**183**	**43**	**2**	**45**	**198**	**30**	**228**
III Soil Health and Fertility Management											
Soil fertility management	Soil Testing when why how?	1	10	16	26		5	5	10	21	31
Integrated water management					0			0	0	0	0
Integrated Nutrient Management					0			0	0	0	0
Production and use of organic inputs					0			0	0	0	0
Management of Problematic soils					0			0	0	0	0
Micro nutrient deficiency in crops					0			0	0	0	0
Nutrient Use Efficiency					0			0	0	0	0
Balance use of fertilizers					0			0	0	0	0
Soil and Water Testing					0			0	0	0	0
Others (pl specify)					0			0	0	0	0
Total		**1**	**10**	**16**	**26**	**0**	**5**	**5**	**10**	**21**	**31**
IV Livestock Production and Management											
Dairy Management					0			0	0	0	0
Poultry Management					0			0	0	0	0
Piggery Management					0			0	0	0	0
Rabbit Management					0			0	0	0	0
Animal Nutrition Management					0			0	0	0	0
Disease Management					0			0	0	0	0
Feed & fodder technology					0			0	0	0	0
Production of quality animal products					0			0	0	0	0
Others (pl specify)	Goatry Management	1			0	16	13	29	16	13	29
Total		**1**	**0**	**0**	**0**	**16**	**13**	**29**	**16**	**13**	**29**
V Home Science/Women empowerment											
Household food security by kitchen gardening and nutrition gardening	Importance of Nutritional garden, Importance of	4	0	10	10	12	73	85	12	83	95

	Nutrional Garden & nutritional Thali in Human Health, Technical management for better nutrition garden										
Design and development of low/minimum cost diet	Development of low cost nutritious reciepies from locally available food resources	1		28	28		2	2	0	30	30
Designing and development for high nutrient efficiency diet					0			0	0	0	0
Minimization of nutrient loss in processing					0			0	0	0	0
Processing and cooking					0			0	0	0	0
Gender mainstreaming through SHGs					0			0	0	0	0
Storage loss minimization techniques					0			0	0	0	0
Value addition					0			0	0	0	0
Women empowerment					0			0	0	0	0
Location specific drudgery reduction technologies	Drudgery reduction technologies in Agriculture for women	1	0	42	42	0	0	0	0	42	42
Rural Crafts	Stiching & Tailoring	1	0	0	0	7	23	30	7	23	30
Women and child care	Nutritional requirement for pregnant & lactatting women	1		20	20		5	5	0	25	25
Others (pl specify)	Importance of personal hygiene for women health	2			0	12	32	44	12	32	44
Total		**10**	**0**	**100**	**100**	**31**	**135**	**166**	**31**	**235**	**266**
VI Agril. Engineering											
Farm Machinary and its maintenance					0			0	0	0	0
Installation and maintenance of micro irrigation systems					0			0	0	0	0
Use of Plastics in farming practices					0			0	0	0	0
Production of small tools and implements					0			0	0	0	0
Repair and maintenance of farm machinery and implements					0			0	0	0	0
Small scale processing and value addition					0			0	0	0	0
Post Harvest Technology					0			0	0	0	0
Others (pl specify)					0			0	0	0	0
Total		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
VII Plant Protection											
Integrated Pest Management	Integrated Pest Management Integrated Pest Managemnet in Rabi Crops	2	3	0	3	53	1	54	56	1	57
Integrated Disease Management					0			0	0	0	0
Bio-control of pests and diseases					0			0	0	0	0
Production of bio control agents and bio pesticides					0			0	0	0	0
Others (pl specify)	Integrated Nutrient Management in	1	0	0	0	31	1	32	31	1	32

	Pulse Crops,Importance of seed treatment in Pulse crop										
Total		**3**	**3**	**0**	**3**	**84**	**2**	**86**	**87**	**2**	**89**
VIII Fisheries											
Integrated fish farming					0			0	0	0	0
Carp breeding and hatchery management					0			0	0	0	0
Carp fry and fingerling rearing					0			0	0	0	0
Composite fish culture					0			0	0	0	0
Hatchery management and culture of freshwater prawn					0			0	0	0	0
Breeding and culture of ornamental fishes					0			0	0	0	0
Portable plastic carp hatchery					0			0	0	0	0
Pen culture of fish and prawn					0			0	0	0	0
Shrimp farming					0			0	0	0	0
Edible oyster farming					0			0	0	0	0
Pearl culture					0			0	0	0	0
Fish processing and value addition					0			0	0	0	0
Others (pl specify)					0			0	0	0	0
Total		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
IX Production of Inputs at site											
Seed Production					0			0	0	0	0
Planting material production					0			0	0	0	0
Bio-agents production					0			0	0	0	0
Bio-pesticides production					0			0	0	0	0
Bio-fertilizer production					0			0	0	0	0
Vermi-compost production					0			0	0	0	0
Organic manures production					0			0	0	0	0
Production of fry and fingerlings					0			0	0	0	0
Production of Bee-colonies and wax sheets					0			0	0	0	0
Small tools and implements					0			0	0	0	0
Production of livestock feed and fodder					0			0	0	0	0
Production of Fish feed					0			0	0	0	0
Mushroom Production					0			0	0	0	0
Apiculture					0			0	0	0	0
Others (pl specify)					0			0	0	0	0
Total		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
X Capacity Building and Group Dynamics											
Leadership development					0			0	0	0	0
Group dynamics					0			0	0	0	0
Formation and Management of SHGs					0			0	0	0	0
Mobilization of social capital					0			0	0	0	0
Entrepreneurial development of farmers/youths					0			0	0	0	0
WTO and IPR issues					0			0	0	0	0
Others (pl specify)	Importance Of NRM In Bundelkhand Region, Information related to crop protection in Kharif crops by ICT	2	37	15	52	7	2	9	44	17	61
Total		**2**	**37**	**15**	**52**	**7**	**2**	**9**	**44**	**17**	**61**
XI Agro-forestry											
Production technologies					0			0	0	0	0
Nursery management					0			0	0	0	0
Integrated Farming Systems					0			0	0	0	0

Others (pl specify)					0			0	0	0	0
Total		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
GRAND TOTAL		**27**	**205**	**159**	**364**	**244**	**162**	**406**	**449**	**321**	**770**

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											
Weed Management	Integarted Weed Management in oilseed crops	1	0	0	0	26	14	40	26	14	40
Resource Conservation Technologies		0	0	0	0	0	0	0	0	0	0
Cropping Systems		0	0	0	0	0	0	0	0	0	0
Crop Diversification		0	0	0	0	0	0	0	0	0	0
Integrated Farming		0	0	0	0	0	0	0	0	0	0
Micro Irrigation/irrigation		0	0	0	0	0	0	0	0	0	0
Seed production		0	0	0	0	0	0	0	0	0	0
Nursery management		0	0	0	0	0	0	0	0	0	0
Integrated Crop Management	ICM in Pulses(Blackgram, Pigeon pea, Lentil), ICM in Oilseeds (Soyabean, Groundnut,Sesame,Mustard)	8	355	49	404	86	6	92	441	55	496
Soil & water conservatioin		0	0	0	0	0	0	0	0	0	0
Integrated nutrient management		0	0	0	0	0	0	0	0	0	0
Production of organic inputs	Organic & Natural Farming Techniques	1	0	0	0	33	0	33	33	0	33
Others (pl specify)	Improved cultivation of food crops	1	0	0	0	30	3	33	30	3	33
Total		**11**	**355**	**49**	**404**	**175**	**23**	**198**	**530**	**72**	**602**
II Horticulture											
a) Vegetable Crops											
Production of low value and high valume crops	Advance production technology of summer vegetables, Production Technology of legume vegetables, Improved cultivation techniques of Hybrid tomato.	3	30	17	47	53	3	56	83	20	103
Off-season vegetables	Kharif Onion Production And Storage Techniques	1	16	0	16	0	0	0	16	0	16
Nursery raising	Nursery management in Vegetable crop	1	10	8	18	7	2	9	17	10	27
Exotic vegetables	Scientific cultivation of cole crops	1	25	0	25	0	0	0	25	0	25
Export potential vegetables		0	0	0	0	0	0	0	0	0	0
Grading and standardization		0	0	0	0	0	0	0	0	0	0
Protective cultivation		0	0	0	0	0	0	0	0	0	0
Others (pl specify)		0	0	0	0	0	0	0	0	0	0
Total (a)		**6**	**81**	**25**	**106**	**60**	**5**	**65**	**141**	**30**	**171**
b) Fruits											
Training and Pruning	Tarining on bahar treatment in fruit crops	1	16	2	18	7	0	7	23	2	25

Layout and Management of Orchards	Management of new orchard	1	23	0	23	0	0	0	23	0	23
Cultivation of Fruit	Scientic cultivation Techniques of papaya	2	32	1	33	14	0	14	46	1	47
Management of young plants/orchards		0	0	0	0	0	0	0	0	0	0
Rejuvenation of old orchards		0	0	0	0	0	0	0	0	0	0
Export potential fruits		0	0	0	0	0	0	0	0	0	0
Micro irrigation systems of orchards	Estaiblishmnet of new orchard through micro irrigation system	1	24	1	25	0	0	0	24	1	25
Plant propagation techniques		0	0	0	0	0	0	0	0	0	0
Others (pl specify)		0	0	0	0	0	0	0	0	0	0
Total (b)		**5**	**95**	**4**	**99**	**21**	**0**	**21**	**116**	**4**	**120**
c) Ornamental Plants											
Nursery Management		0	0	0	0	0	0	0	0	0	0
Management of potted plants		0	0	0	0	0	0	0	0	0	0
Export potential of ornamental plants		0	0	0	0	0	0	0	0	0	0
Propagation techniques of Ornamental Plants		0	0	0	0	0	0	0	0	0	0
Others (pl specify)		0	0	0	0	0	0	0	0	0	0
Total (c)		0	0	0	0	0	0	0	0	0	0
d) Plantation crops											
Production and Management technology		0	0	0	0	0	0	0	0	0	0
Processing and value addition		0	0	0	0	0	0	0	0	0	0
Others (pl specify)		0	0	0	0	0	0	0	0	0	0
Total (d)		0	0	0	0	0	0	0	0	0	0
e) Tuber crops											
Production and Management technology		0	0	0	0	0	0	0	0	0	0
Processing and value addition		0	0	0	0	0	0	0	0	0	0
Others (pl specify)		0	0	0	0	0	0	0	0	0	0
Total (e)		0	0	0	0	0	0	0	0	0	0
f) Spices											
Production and Management technology		0	0	0	0	0	0	0	0	0	0
Processing and value addition		0	0	0	0	0	0	0	0	0	0
Others (pl specify)		0	0	0	0	0	0	0	0	0	0
Total (f)		0	0	0	0	0	0	0	0	0	0
g) Medicinal and Aromatic Plants											
Nursery management	Organic nursery raising technique of Basil	1	27	0	27	8	0	8	35	0	35
Production and management technology	Prepration And Application Of Organic Inputs In Aromatic Crops Under MIDH Project.	1	27	0	27	8	0	8	35	0	35
Post harvest technology and value addition		0	0	0	0	0	0	0	0	0	0
Others (pl specify)		0	0	0	0	0	0	0	0	0	0
Total (g)		2	54	0	54	16	0	16	70	0	70

GT (a-g)		**13**	**230**	**29**	**259**	**97**	**5**	**102**	**327**	**34**	**361**
III Soil Health and Fertility Management											
Soil fertility management	Soil Testing when why how?	1	10	16	26	0	5	5	10	21	31
Integrated water management		0	0	0	0	0	0	0	0	0	0
Integrated Nutrient Management		0	0	0	0	0	0	0	0	0	0
Production and use of organic inputs		0	0	0	0	0	0	0	0	0	0
Management of Problematic soils		0	0	0	0	0	0	0	0	0	0
Micro nutrient deficiency in crops		0	0	0	0	0	0	0	0	0	0
Nutrient Use Efficiency		0	0	0	0	0	0	0	0	0	0
Balance use of fertilizers		0	0	0	0	0	0	0	0	0	0
Soil and Water Testing		0	0	0	0	0	0	0	0	0	0
Others (pl specify)		0	0	0	0	0	0	0	0	0	0
Total		**1**	**10**	**16**	**26**	**0**	**5**	**5**	**10**	**21**	**31**
IV Livestock Production and Management											
Dairy Management		0	0	0	0	0	0	0	0	0	0
Poultry Management		0	0	0	0	0	0	0	0	0	0
Piggery Management		0	0	0	0	0	0	0	0	0	0
Rabbit Management		0	0	0	0	0	0	0	0	0	0
Animal Nutrition Management		0	0	0	0	0	0	0	0	0	0
Disease Management		0	0	0	0	0	0	0	0	0	0
Feed & fodder technology		0	0	0	0	0	0	0	0	0	0
Production of quality animal products		0	0	0	0	0	0	0	0	0	0
Others (pl specify)	Goatry Management	1	0	0	0	16	13	29	16	13	29
Total		**1**	**0**	**0**	**0**	**16**	**13**	**29**	**16**	**13**	**29**
V Home Science/Women empowerment											
Household food security by kitchen gardening and nutrition gardening	Importance of Nutritional garden, Importance of Nutrional Garden & nutritional Thali in Human Health, Importance of Nutritional Garden for Human Health, Nutritional security through Kitchen garden, Technical management for better nutrition garden	6	0	10	10	43	108	151	43	118	161
Design and development of low/minimum cost diet	Development of low cost nutritious reciepies from locally available food resources	1	0	28	28	0	2	2	0	30	30
Designing and development for high nutrient efficiency diet	Protien & Energy rich diet for school going children	1	0	11	11	0	17	17	0	28	28
Minimization of nutrient loss in processing		0	0	0	0	0	0	0	0	0	0
Processing and cooking		0	0	0	0	0	0	0	0	0	0
Gender		0	0	0	0	0	0	0	0	0	0

mainstreaming through SHGs											
Storage loss minimization techniques		0	0	0	0	0	0	0	0	0	0
Value addition	vegetable preservation techniques for off season consumption	1	0	0	0	0	37	37	0	37	37
Women empowerment		0	0	0	0	0	0	0	0	0	0
Location specific drudgery reduction technologies	Drudgery reduction technologies in Agriculture for women	1	0	42	42	0	0	0	0	42	42
Rural Crafts	Stiching & Tailoring,Craft from waste material for income generation	2	0	16	16	7	39	46	7	55	62
Women and child care	Nutritional requirement for pregnant & lactatting women	1	0	20	20	0	5	5	0	25	25
Others (pl specify)	Importance of personal hygiene for women health	2	0	0	0	12	32	44	12	32	44
Total		**15**	**0**	**127**	**127**	**62**	**240**	**302**	**62**	**367**	**429**
VI Agril. Engineering											
Farm Machinary and its maintenance		0	0	0	0	0	0	0	0	0	0
Installation and maintenance of micro irrigation systems		0	0	0	0	0	0	0	0	0	0
Use of Plastics in farming practices		0	0	0	0	0	0	0	0	0	0
Production of small tools and implements		0	0	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements		0	0	0	0	0	0	0	0	0	0
Small scale processing and value addition		0	0	0	0	0	0	0	0	0	0
Post Harvest Technology		0	0	0	0	0	0	0	0	0	0
Others (pl specify)		0	0	0	0	0	0	0	0	0	0
Total		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
VII Plant Protection											
Integrated Pest Management	Integrated Pest Management in Pulse crop,Integrated Pest Management Integrated Pest Managemnet in Rabi Crops	6	27	11	38	124	23	147	151	34	185
Integrated Disease Management		0	0	0	0	0	0	0	0	0	0
Bio-control of pests and diseases		0	0	0	0	0	0	0	0	0	0
Production of bio control agents and bio pesticides		0	0	0	0	0	0	0	0	0	0
Others (pl specify)	Integrated Nutrient Management in Pulse Crops,Importance of seed treatment in Pulse crop	1	0	0	0	31	1	32	31	1	32
Total		**7**	**27**	**11**	**38**	**155**	**24**	**179**	**182**	**35**	**217**
VIII Fisheries											
Integrated fish farming		0	0	0	0	0	0	0	0	0	0
Carp breeding and hatchery management		0	0	0	0	0	0	0	0	0	0
Carp fry and fingerling rearing		0	0	0	0	0	0	0	0	0	0

Composite fish culture		0	0	0	0	0	0	0	0	0	0
Hatchery management and culture of freshwater prawn		0	0	0	0	0	0	0	0	0	0
Breeding and culture of ornamental fishes		0	0	0	0	0	0	0	0	0	0
Portable plastic carp hatchery		0	0	0	0	0	0	0	0	0	0
Pen culture of fish and prawn		0	0	0	0	0	0	0	0	0	0
Shrimp farming		0	0	0	0	0	0	0	0	0	0
Edible oyster farming		0	0	0	0	0	0	0	0	0	0
Pearl culture		0	0	0	0	0	0	0	0	0	0
Fish processing and value addition		0	0	0	0	0	0	0	0	0	0
Others (pl specify)		0	0	0	0	0	0	0	0	0	0
Total		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
IX Production of Inputs at site											
Seed Production		0	0	0	0	0	0	0	0	0	0
Planting material production		0	0	0	0	0	0	0	0	0	0
Bio-agents production		0	0	0	0	0	0	0	0	0	0
Bio-pesticides production		0	0	0	0	0	0	0	0	0	0
Bio-fertilizer production		0	0	0	0	0	0	0	0	0	0
Vermi-compost production		0	0	0	0	0	0	0	0	0	0
Organic manures production	Scientific Techniques of Natural Farming	2	61	5	66	14	0	14	75	5	80
Production of fry and fingerlings		0	0	0	0	0	0	0	0	0	0
Production of Bee-colonies and wax sheets		0	0	0	0	0	0	0	0	0	0
Small tools and implements		0	0	0	0	0	0	0	0	0	0
Production of livestock feed and fodder		0	0	0	0	0	0	0	0	0	0
Production of Fish feed		0	0	0	0	0	0	0	0	0	0
Mushroom Production		0	0	0	0	0	0	0	0	0	0
Apiculture		0	0	0	0	0	0	0	0	0	0
Others (pl specify)		0	0	0	0	0	0	0	0	0	0
Total		**2**	**61**	**5**	**66**	**14**	**0**	**14**	**75**	**5**	**80**
X Capacity Building and Group Dynamics											
Leadership development		0	0	0	0	0	0	0	0	0	0
Group dynamics		0	0	0	0	0	0	0	0	0	0
Formation and Management of SHGs		0	0	0	0	0	0	0	0	0	0
Mobilization of social capital		0	0	0	0	0	0	0	0	0	0
Entrepreneurial development of farmers/youths		0	0	0	0	0	0	0	0	0	0
WTO and IPR issues		0	0	0	0	0	0	0	0	0	0

Others (pl specify)	Importance Of NRM In Bundelkhand Region, Information related to crop protection in Kharif crops by ICT	2	37	15	52	7	2	9	44	17	61
Total		**2**	**37**	**15**	**52**	**7**	**2**	**9**	**44**	**17**	**61**
XI Agro-forestry											
Production technologies		0	0	0	0	0	0	0	0	0	0
Nursery management		0	0	0	0	0	0	0	0	0	0
Integrated Farming Systems		0	0	0	0	0	0	0	0	0	0
Others (pl specify)		0	0	0	0	0	0	0	0	0	0
Total		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
GRAND TOTAL		**52**	**720**	**252**	**972**	**526**	**312**	**838**	**1246**	**564**	**1810**

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**
Nursery Management of Horticulture crops											
Training and pruning of orchards											
Protected cultivation of vegetable crops											
Commercial fruit production											
Integrated farming											
Seed production											
Production of organic inputs											
Planting material production											
Vermi-culture											
Mushroom Production											
Bee-keeping											
Sericulture											
Repair and maintenance of farm machinery and implements											
Value addition											
Small scale processing											
Post Harvest Technology											
Tailoring and Stitching											
Rural Crafts											
Production of quality animal products											
Dairying											
Sheep and goat rearing											
Quail farming											
Piggery											
Rabbit farming											
Poultry production											
Ornamental fisheries											
Composite fish culture											
Freshwater prawn culture											
Shrimp farming											
Pearl culture											
Cold water fisheries											
Fish harvest and processing technology											
Fry and fingerling rearing											
Any other (pl.specify)											
TOTAL											

Training for Rural Youths 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
Nursery Management of Horticulture crops											
Training and pruning of orchards											
Protected cultivation of vegetable crops											
Commercial fruit production											
Integrated farming											
Seed production											
Production of organic inputs											
Planting material production											
Vermi-culture											
Mushroom Production											
Bee-keeping											
Sericulture											
Repair and maintenance of farm machinery and implements											
Value addition											
Small scale processing											
Post Harvest Technology											
Tailoring and Stitching											
Rural Crafts											
Production of quality animal products											
Dairying											
Sheep and goat rearing											
Quail farming											
Piggery											
Rabbit farming											
Poultry production											
Ornamental fisheries											
Composite fish culture											
Freshwater prawn culture											
Shrimp farming											
Pearl culture											
Cold water fisheries											
Fish harvest and processing technology											
Fry and fingerling rearing											
Any other (pl.specify)											
TOTAL											

Training for Rural Youths 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
Nursery Management of Horticulture crops											
Training and pruning of orchards											
Protected cultivation of vegetable crops											
Commercial fruit production											
Integrated farming											
Seed production											
Production of organic inputs											

Planting material production											
Vermi-culture											
Mushroom Production											
Bee-keeping											
Sericulture											
Repair and maintenance of farm machinery and implements											
Value addition											
Small scale processing											
Post Harvest Technology											
Tailoring and Stitching											
Rural Crafts											
Production of quality animal products											
Dairying											
Sheep and goat rearing											
Quail farming											
Piggery											
Rabbit farming											
Poultry production											
Ornamental fisheries											
Composite fish culture											
Freshwater prawn culture											
Shrimp farming											
Pearl culture											
Cold water fisheries											
Fish harvest and processing technology											
Fry and fingerling rearing											
Any other (pl.specify)											
TOTAL											

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
Productivity enhancement in field crops		0			0			0	0	0	0
Integrated Pest Management		0			0			0	0	0	0
Integrated Nutrient management		0			0			0	0	0	0
Rejuvenation of old orchards		0			0			0	0	0	0
Protected cultivation technology		0			0			0	0	0	0
Production and use of organic inputs		0			0			0	0	0	0
Care and maintenance of farm machinery and implements		0			0			0	0	0	0
Gender mainstreaming through SHGs		0			0			0	0	0	0
Formation and Management of SHGs		0			0			0	0	0	0
Women and Child care		0			0			0	0	0	0
Low cost and nutrient efficient diet designing		0			0			0	0	0	0
Group Dynamics and farmers organization		0			0			0	0	0	0
Information networking among farmers		0			0			0	0	0	0
Capacity building for ICT application		0			0			0	0	0	0
Management in farm animals		0			0			0	0	0	0
Livestock feed and fodder production		0			0			0	0	0	0
Household food security	Importance of Nutrition garden and nutri thali in human health security	1		11	11		9	9	0	20	20
Any other (pl.specify)		0			0			0	0	0	0
TOTAL		**1**	**0**	**11**	**11**	**0**	**9**	**9**	**0**	**20**	**20**

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
Productivity enhancement in field crops											
Integrated Pest Management											
Integrated Nutrient management											
Rejuvenation of old orchards											
Protected cultivation technology											
Production and use of organic inputs											
Care and maintenance of farm machinery and implements											
Gender mainstreaming through SHGs											
Formation and Management of SHGs											
Women and Child care											
Low cost and nutrient efficient diet designing											
Group Dynamics and farmers organization											
Information networking among farmers											
Capacity building for ICT application											
Management in farm animals											
Livestock feed and fodder production											
Household food security											
Any other (pl.specify)											
TOTAL											

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
Productivity enhancement in field crops		0			0			0	0	0	0
Integrated Pest Management		0			0			0	0	0	0
Integrated Nutrient management		0			0			0	0	0	0
Rejuvenation of old orchards		0			0			0	0	0	0
Protected cultivation technology		0			0			0	0	0	0
Production and use of organic inputs		0			0			0	0	0	0
Care and maintenance of farm machinery and implements		0			0			0	0	0	0
Gender mainstreaming through SHGs		0			0			0	0	0	0
Formation and Management of SHGs		0			0			0	0	0	0
Women and Child care		0			0			0	0	0	0
Low cost and nutrient efficient diet designing		0			0			0	0	0	0
Group Dynamics and farmers organization		0			0			0	0	0	0
Information networking among farmers		0			0			0	0	0	0
Capacity building for ICT application		0			0			0	0	0	0
Management in farm animals		0			0			0	0	0	0
Livestock feed and fodder production		0			0			0	0	0	0
Household food security	Importance of Nutrition garden and nutri thali in human health security	1		11	11		9	9	0	20	20
Any other (pl.specify)		0			0			0	0	0	0
TOTAL		**1**	**0**	**11**	**11**	**0**	**9**	**9**	**0**	**20**	**20**

Table. 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
Crop production and management											
Increasing production and productivity of crops		1	0	4	4	0	26	26	0	30	30
Commercial production of vegetables		1		10	10		22	22	0	32	32
Production and value addition											
Fruit Plants					0			0	0	0	0
Ornamental plants					0			0	0	0	0
Spices crops					0			0	0	0	0
Soil health and fertility management					0			0	0	0	0
Production of Inputs at site					0			0	0	0	0
Methods of protective cultivation					0			0	0	0	0
Others (pl. specify)					0			0	0	0	0
Total		2	0	14	14	0	48	48	0	62	62
Post harvest technology and value addition											
Processing and value		0	0	0	0	0	0	0	0	0	0

addition											
Others (pl. specify)					0			0	0	0	0
Total		0	0	0	0	0	0	0	0	0	0
Farm machinery											
Farm machinery, tools and implements		0	0	0	0	0	0	0	0	0	0
Others (pl. specify)					0			0	0	0	0
Total		0	0	0	0	0	0	0	0	0	0
Livestock and fisheries											
Livestock production and management		2	2	18	20	5	31	36	7	49	56
Animal Nutrition Management					0			0	0	0	0
Animal Disease Management					0			0	0	0	56
Fisheries Nutrition					0			0	0	0	0
Fisheries Management					0			0	0	0	0
Others (pl. specify)					0			0	0	0	0
Total		2	2	18	20	5	31	36	7	49	56
Home Science											
Household nutritional security		1	0	14	14	0	0	0	0	14	14
Economic empowerment of women					0			0	0	0	0
Drudgery reduction of women					0			0	0	0	14
Others (pl. specify)					0			0	0	0	0
Total		1	0	14	14	0	0	0	0	14	14
Agricultural Extension											
Capacity Building and Group Dynamics			0	0	0	0	0	0	0	0	0
Others (pl. specify)		2	15	1	16			0	15	1	16
Total		2	15	1	16	0	0	0	15	1	16
GRAND TOTAL		**7**	**17**	**47**	**64**	**5**	**79**	**84**	**22**	**126**	**148**

Name of sponsoring agencies involved

Details of vocational training programmes carried out by KVKs for rural youth

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**
Crop production and management											
Commercial floriculture											
Commercial fruit production											
Commercial vegetable production											
Integrated crop management											
Organic farming											
Others (pl. specify)											
Total											
Post harvest technology and value addition											
Value addition											
Others (pl. specify)											
Total											
Livestock and fisheries											
Dairy farming											
Composite fish culture											
Sheep and goat rearing											
Piggery											
Poultry farming											
Others (pl. specify)											
Total											
Income generation activities											

Vermicomposting											
Production of bio-agents, bio-pesticides,											
bio-fertilizers etc.											
Repair and maintenance of farm machinery											
and implements											
Rural Crafts											
Seed production											
Sericulture											
Mushroom cultivation											
Nursery, grafting etc.											
Tailoring, stitching, embroidery, dying etc.											
Agril. para-workers, para-vet training											
Others (pl. specify)											
Total											
Agricultural Extension											
Capacity building and group dynamics											
Others (pl. specify)											
Total											
Grand Total											

VII. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
Advisory Services	91	4516	67	4583
Diagnostic visits	7	48		48
Field Day	9	265		265
Group discussions				0
Kisan Ghosthi	11	1829		1829
Film Show	8	466		466
Self -help groups				0
Kisan Mela	1	330		330
Exhibition	5	807		807
Scientists' visit to farmers field	101	507		507
Plant/animal health camps				0
Farm Science Club				0
Ex-trainees Sammelan				0
Farmers' seminar/workshop				0
Method Demonstrations				0
Celebration of important days	3	260		260
Special day celebration	1	110		110
Exposure visits	4	365		365
Others (pl. specify)	5	231	14	460
Total	**246**	**9734**	**81**	**10030**

Details of other extension programmes

Particulars	Number
Electronic Media (CD./DVD)	
Extension Literature	1
News paper coverage	44
Popular articles	2
Radio Talks	
TV Talks	
Animal health amps (Number of animals treated)	
Others (pl. specify)	
Total	**28**

Mobile Advisory Services

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weather	Marke-ting	Aware-ness	Other enterprise	Total
	Text only	27	6	10	15	13	17	88
	Voice only							
	Voice & Text both							
	Total Messages							
	Total farmers Benefitted	**2581**	**203**	**1159**	**104**	**475**	**61**	**4583**

VIII. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Number of KVKs organised Technology Week	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
	Gosthies	3	210	
	Lectures organised			
	Exhibition	1	75	
	Film show			
	Fair			
	Farm Visit			
	Diagnostic Practicals			
	Distribution of Literature (No.)			
	Distribution of Seed (q)			
	Distribution of Planting materials (No.)			
	Bio Product distribution (Kg)			
	Bio Fertilizers (q)			
	Distribution of fingerlings			
	Distribution of Livestock specimen (No.)			
	Total number of farmers visited the technology week			

IX. 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-187		20	84400	50
Oilseeds	Mustard	RH-0749		3	36855	150
Pulses	Pigeon pea	IPA-203		6.8	90304	50
	Field pea	IPFD 12-2		57.6	462700.8	144
	Chick pea	IPC 2006-77		13.2	114760.8	33
	Urdbean	IPU13-1		1.8	24012	
Commercial crops						
Vegetables						
Flower crops						

Spices						
Fodder crop seeds						
Fiber crops						
Forest Species						
Others						
Total				**102.4**	**813032.6**	**427**

Production of planting materials by the KVKs

Crop	Name of the crop	Name of the variety	Name of the hybrid	Number	Value (Rs.)	Number of farmers
Commercial						
Vegetable seedlings	Brinjal	B5, Kashi Sandesh		18250	12775	292
	Chilli	K Anmol, k Abha, VNR-305,VNR-10,VNR-30		13420	20130	332
	Tomato	Arka Rakshak, Arka Abhed, Arka Samrat, Kashi Aman, Kashi Chayan, Kashi Adarsh, SW-1504, Sri		46350	46350	266
	Cabbage	Ankur Manas, Royal Challenger, Royal Vantage		22950	22950	127
	Cauliflower	Girija,		22950	22950	127
	Broccoli					
	Capsicum					
	Onion					
	Cucumber	Ankur Nirali		180		70
	Bottle gourd	kashi Ganga		600		70
	Bitter gourd					
	Sponge gourd	K. Shreya		600		70
	Pumpkin	SW1001		600		70
	Others(kakdi)	chandraprabha		600		70
Fruits						
Ornamental plants						
Medicinal and Aromatic						
Plantation						
Spices						
Tuber						
Fodder crop saplings						
Forest Species						
Others						
Total				**126500**	**125155**	**1494**

Production of Bio-Products

Bio Products	Name of the bio-product	Quantity Kg	Value (Rs.)	No. of Farmers
Bio Fertilisers	Vermicompost	3000		
	Nadep compos	600		
Bio-pesticide				
Bio-fungicide				
Bio Agents				
Others				
Total		**3600**		

Table: Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers
Dairy animals				
Cows				
Buffaloes				
Calves		2		
Others (Pl. specify) Goat		3		
Poultry				
Broilers				
Layers				
Duals (broiler and layer)				
Japanese Quail				
Turkey				
Emu				
Ducks				
Others (Pl. specify)				
Piggery				
Piglet				
Others (Pl.specify)				
Fisheries				
Indian carp				
Exotic carp				
Others (Pl. specify)				
Total		**5**		

X. DETAILS OF SOIL, WATER AND PLANT ANALYSIS

Samples	No. of Samples	No. of Farmers	No. of Villages	Amount realized (Rs.)
Soil				
Water				
Plant				
Manure				
Others (pl.specify)				
Total				

XI. SCIENTIFIC ADVISORY COMMITTEE

Name of KVK	Number of SACs conducted	Date of SAC
Mahoba	1	02.12.2023

XII. NEWSLETTER/MAGAZINE

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

XIII. PUBLICATIONS

Category	Number
Books	
Technical bulletins	
Research Paper	
Lead Papers	
Book Chapters	
Popular Articles	
Newsletters	
Technical reports	
Others (pl. specify)	

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

Activities conducted				
No. of Training programmes	**No. of Demonstration s**	**No. of plant materials produced**	**Visit by farmers (No.)**	**Visit by officials (No.)**

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

Introduction of alternate crops/varieties

Crops/cultivars	**Area (ha)**	**Extent of damage**	**Recovery of damage through KVK initiatives if any**
Total			

Major area coverage under alternate crops/varieties

Crops	**Area (ha)**	**Number of beneficiaries**
Oilseeds		
Pulses		
Cereals		
Vegetable crops		
Tuber crops		
Total		

Farmers-scientists interaction on livestock management

Livestock components	**Number of interactions**	**No.of participants**
Total		

Animal health camps organised

Number of camps	**No.of animals**	**No.of farmers**
Total		

Seed distribution in drought hit states

Crops	**Quantity (qtl)**	**Coverage of area (ha)**	**Number of farmers**
Total			

Large scale adoption of resource conservation technologies

Crops/cultivars and gist of resource conservation technologies introduced	Area (ha)	Number of farmers
Total		

Awareness campaign

	Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
	No.	No.of farmers	No.	No.of farmers	No.	No.of farmers	No.	No.of farmers	No.	No.of farmers	No.	No.of farmers
Total												

XVI. DETAILS ON HRD ACTIVITIES

A. HRD activities organized in identified areas for KVK staff by the Directorate of Extension

Name of the SAU	Title of the training programmes	No of programmes	No. of Participants	No. of KVKs involved
Total				

B. HRD activities organized in identified areas for KVK staff by ATARI

Title of the training programmes	No of programmes	No. of Participants	No. of KVKs involved
Total			

XIV. CASE STUDIES (CASE STUDIES MAY BE GIVEN IN DETAIL AS PER THE FOLLOWING FORMAT)

Each Zone should propose a minimum of three case studies with good action photographs (with captions on the backside of the hard copy of the photos) on the following topics

- ***a) Effective popularization on a larger scale of any one FLD technology and its role in transformation of district agriculture with respect to that particular crop or enterprise***
- ***b) Performance of the end results of any one technology assessed, its refinement if any and its impact in district agriculture with respect to that crop or enterprise***
- ***c) Effect of production and supply of seeds and planting material / animal breed / or bio-product and its impact on district agriculture with respect to that crop/ enterprise/ bio-product***

The general format for preparing the above case studies are furnished below

\

Name of the KVK - Mahoba

TITLE – Livelihood improvement through Vegetable cultivation

Introduction: Phoolwati's family is completely dependent on agriculture and was struggling for livelihood due to lack of technical knowledge, due to which the family income was affected. Her husband migrated to Delhi to improve his financial situation but due to the Covid pandemic and Due to ill health, he had to return to the village, due to which the financial condition of the family became even weaker. Phoolwati's family lives in Lamoura village adopted by the Krishi Vigyan Kendra and does small-scale vegetable production along with agriculture.

KVK intervention: The center provided technical and professional training for scientific cultivation of flowering vegetable production. Also, under the demonstration of various advanced technologies by the Centre, they were motivated for scientific farming through Kharif Onion-L 883, Tomato-Arka Samrat etc. With the help of Krishi Vigyan Kendra, he obtained seedlings of other vegetables and produced better production.

Output: The annual income of Phoolwati's family was around Rs 2 lakh in the year 2020, which has now increased to Rs 5 lakh. She obtained 830qtls/ ha yield of Tomato Arka Samrat and 223qtls/ ha of Kharif onion var. 883.

Outcome: There has been a huge change in Phoolwati's economic and social status through the support and training of Krishi Vigyan Kendra. Now she has started doing agriculture commercially and is able to provide good education and facilities to her children while discharging her family responsibilities in a better way. With the increase in family income, respect in the society has also increased.

Impact: About 25 farmers of the village got inspired and started production of Kharif Onion-L 883 and Tomato-Arka Samrat.

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XIX Achievement of Special programmes

1) Achievement of skill development training funded by DAC&FW

S. No.	SubSector*	QP Name *	Duration (hrs)	No. of Courses Organized	No. of Participants						
					SCs/STs		Others		Total		TOTAL
					Male	Female	Male	Female	Male	Female	
1	Agriculture Crop Production	Jute and Mesta Cultivator	200								
2	Agriculture Crop Production	Vineyard Grower	200								
3	Agriculture Crop Production	Vineyard Worker	200								
4	Agriculture Crop Production	Makhana Grower cum Processor	200								
5	Agriculture Crop Production	Temperate Fruit Grower (Options: Apple / Pear, Peach and Plum / Kiwi)	200								
6	Agriculture Crop Production	Orchard Worker (Options: Trainer-Pruner / Machine Operator – Landscape)	200								
7	Agriculture Crop Production	Vegetable Grower	200								
8	Agriculture Crop Production	Spice Crop Cultivator (Electives: Herbal Spices/Seed Spices/Tree Spices/Rhizomatous Spices/Oil Yielding Spices/Pod (Cardamom) Spices)	200								
9	Agriculture Crop Production	Nursery Worker	200								
10	Agriculture Crop Production	Essential Oil Extractor	200								
11	Agriculture Crop Production	Power Tiller Operator	200								
12	Agriculture Crop Production	Farm Worker	200								
13	Animal Husbandry	Goat Farmer	200								
14	Animal Husbandry	Piggery Farmer (Electives: Fattening/ Breeding)	200								
15	Fisheries	Coldwater Aquaculture Farmer	200								
16	Fisheries	Seaweed Cultivator	200								
17	Forestry, Environment and Renewable Energy Management	Timber Grower	200								
18	Forestry, Environment and	Lac Cultivator	200								

	Renewable Energy Management										
19	Agriculture Industries	Ripening Chamber Operator	200								
20	Agriculture Industries	Group Farming Practitioner	200								
21	Agriculture Industries	Agri Commodity Fumigation Operator	200								
22	Agriculture Industries	Plant Tissue Culture Technician	200								
23	Agriculture Crop Production	Flower Handler-Packaging & Palletising	212								
24	Agriculture Crop Production	Tropical/Subtropical Fruit Grower	220								
25	Agriculture Crop Production	Florist	220								
26	Agriculture Crop Production	Service and Maintenance Technician-Farm Machinery	220								
27	Fisheries	Cage Culture Fish Farmer	230								
28	Agriculture Crop Production	Pesticide & Fertilizer Applicator	232								
29	Agriculture Crop Production	Operator-Reaper, Thresher and Crop Residue Machinery	236								
30	Animal Husbandry	Stud Farm Worker	240								
31	Animal Husbandry	Companion Animal Groomer	244								
		TOTAL									

2) Achievements under Crop Residue Management (CRM) Project by KVKs

a) CRM Machinery status of the CRM KVKs

Name of machine	Name of machine procured	No. of demo conducted	Area covered (ha)	No. of farmers covered	Result					
					Demo yield (q/ha)	Check yield (q/ha)	Increase in yield %	Cost of cultivation (Rs/ha)	Net return (demo plot)	B:C ratio
Happy Seeder										
Reversible M.B. Plough										
Paddy Straw Chopper/ Shradder / Mulcher										
Zero Till Drill										
Rotavator										
Tractor										
Total										

S.No	Name of the Machine/ Equipment	No. of machines procured
1	Happy Seeder	
2	Reversible M.B. Plough	
3	Paddy Straw Chopper/ Shradder / Mulcher	
4	Zero Till Drill	
5	Rotavator	
6	Tractor	
	Total	

b) IEC activities organized under CRM Project by KVKs

S. No.	Name of IEC activity	No. of activities	No. of Participants
	Kisan Melas organized		
1.	Awareness programmes conducted at Village Panchayat/ Block/ District Level		
2.	Mobilization of schools and colleges through essay completion, painting, debate etc.		
3.	Demonstration conducted (ha)		
4.	Training Programmes conducted		
5.	Exposure visits organized		
6.	Field /harvest days organized		
	Total		

b) Other IEC activities organized under CRM Project by KVKs

S. No.	Name of IEC activity	No. of activities
1.	Advertisement in Print media	
2.	Column / Articles in newspaper and magazines etc.	
3.	Hoarding fixed (at Mandi/ Road side/Market/ Schools/ Petrol pump/ Panchayat etc.)	
4.	Poster/Banner placed	
5.	Publicity material - leaflets/ pamphlets etc. distributed	
6.	TV programmes/ panel discussions Doordarshan/ DD-Kisan and other private channels	
7.	Wall writing	
	Total	

3) Achievement of TSP (Tribal Sub Plan)

Farmer Training		Women Farmer Training		Rural Youths		Extension Personnel		Number of farmers involved			Participants in extension activities (No.)	Production of seed (q)	Production of Planting material (Number in lakh)	Production of Livestock strains (Number in lakh)	Production of fingerlings (Number in lakh)	Testing of Soil, water, plant, manures samples (Number)
No. of Trainings/Demos	No. of Farmers	No. of Trainings/Demos	No. of Women Farmers	No. of Trainings/Demos	No. of Youths	No. of Trainings/Demos	No. of Ext. Person	On- farm trials	Frontline demos	Mobile agro-advisory to farmers						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
6	**134**	**6**	**87**					**15**	**65**	**10**	**137**			**0.0004**		

4) Achievement of KSHAMTA (Knowledge Systems And Home Based Agricultural Management in Tribal Areas)

Number of Adopted Villages	No. of Activities		No. of farmers benefited	
	Demo	Training	Demo	Training
3	3	6	65	134

5) Achievements of SCSP KVKs

Farmer Training		Women Farmer Training		Rural Youths		Extension Personnel		Number of farmers involved			Participants in extension activities (No.)	Production of seed (q)	Production of Planting material (Number in lakh)	Production of Livestock strains (Number in lakh)	Production of fingerlings (Number in lakh)	Testing of Soil, water, plant, manures samples (Number)
No. of Trainings/Demos	No. of Farmers	No. of Trainings/Demos	No. of Women Farmers	No. of Trainings/Demos	No. of Youths	No. of Trainings/Demos	No. of Ext. Person	On- farm trials	Frontline demos	Mobile agro-advisory to farmers						
9	303	4	104							15	357					

6) Achievement under IFS KVKs

Sl. No.	Component Name	No. of Components established	Area (ha)	Number of Activities		No. of farmers benefited	
				Demo	Training	Demo	Training
1							
2							
3							

7) 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
				1	30	**12**	**410**	7	628

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	DBW-187	25	62
Millet	Finger millet			
	Pearlmillet			
	Sorghum			

Oilseed	Groundnut			
	Mustard			
Pulses	Lentil	IPL 220	15	30
	Lathyras			
Vegetable	Cauliflower			
Tuber	Sweet Potato			
Total			**40**	**92**

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

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

9) 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

10) Achievements under ARYA Project

Name of entrepreneurial units	No. of entrepreneurial units established	No. of Training programs organised	No. of rural youth trained		No. of youth established units	
			Male	Female	Male	Female
Mushroom production						
Fruits and vegetable processing units,						
Horticulture nursery						
Fish farming						
Poultry						
Goat farming						
Piggery						
Duck farming						
Bee keeping						
Others if any						

11) Achievements under Pulses Seed Hub programme

Season/Crop	Name of Pulse crop	Variety	Production			Category of seed	Distributed to No. of farmers
			Target (q)	Area sown (ha)	Actual Production (q)	(F/S, C/S)	
Kharif	Black gram	IPU 13-1		1	1.8		
	Green Gram						
	Pigeon pea	IPA-203		0.8	6.96		
	Other						
Total (Kharif)					8.76		
Rabi	Chick pea	IPC 2006-77		22	152.4	(F/S, C/S)	
	Chickpea	JG-36			97.2	(C/S)	
	Field pea	IPFD 12-2		5	57.6	(F/S, C/S)	

	Lentil	IPL 220		3	21.6	(F/S, C/S)	
	Linseed	BUAT ALSI-01		1.2		(B/S)	
Total (Rabi)					328.8		
Summer							
Total (Summer)							
Grand Total					**337.56**		

12) Achievements under Swachhata Abhiyan Mission

S.No.	Items	No. of Programmes	No. of persons paticipated
1	Toilet maintenance	3	17
2	Road, drain cleaning	4	97
3	Garbage disposal	9	106
4	Door to door awareness	6	214
5	Awareness campaign	3	159
6	Nookkad Drama		
7	School Drama		
8	School rally		
9	Writing paining slogans		
10	Composting	1	63
11	Other		
12			
13			

13) Achievements under Aspirational District Scheme

Name of programme	Number
Training	
Session No.	
No. of farmers	
Officers/staff involved	
Seed & Plant Distribution	
Programme number	
Seed distribution in q	
No. of plant distributed	
Biological products distributed	
No. of programme organised	
No. of farmers	
Officers/staff involved	
Animal husbandra & fish distribution programme	
Vaccination	
Medicine for control of parasite	
Distribution of mineral mixure	
No. of farmers	
Officers/staff involved	

14) Awards

S.No.	Name of Award received	Name of KVK/farmer	Year of Award	Date on which award received
1	**District Millionaire Farmer of India Award,2023**	**Mr. Khoob Singh Rajpoot**	**2023**	**06.12.2023**

Note: Please also mention name of farmer who received the award.

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