KRISHI VIGYAN KENDRA, BANDA

Annual Progress Report

(Jan 2024-Dec 2024)

Directorate of Extension

Banda University of Agriculture & Technology

Banda-210 001

(FUNDED BY ICAR-ATARI, ZONE-III, KANPUR)

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	56	1031	427	1458
Rural youths	1	29	0	29
Extension functionaries	5	39	79	118
Sponsored Training	33	731	366	1097
Vocational Training	1	0	24	24
Total	**96**	**1830**	**896**	**2726**

2. Frontline demonstrations

Enterprise	No. of Farmers	Area (ha)	Units/Animals
Oilseeds	10	4.0	
Pulses	-	-	
Cereals	67	27.2	
Vegetables			
Other crops (Kitchen Garden)	100	2.5	
Hybrid crops			
Total	**177**	**33.7**	
Livestock & Fisheries	36	-	72
Other enterprises (Storage bags)	25	-	240
Total	**61**	-	**312**
Grand Total	**238**	**33.7**	**312**

3. Technology Assessment

Category	No. of Technology Assessed	No. of Trials	No. of Farmers
Crops	07	68	68
Livestock	01	12	04
Various enterprises	01	5	5
Total			
Grand Total	**09**	**85**	**77**

4. Extension Programmes

Category	No. of Programmes	Total Participants
Extension activities	239	13012
Other extension activities	131	Mass
Total	**370**	**13012**

5. Mobile Advisory Services

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weather	Marketing	Awareness	Other enterprise	Total
	Text only	64	06	53		25		148
	Voice only	-	-	-	-	-	-	
	Voice & Text both	-	-	-	-	-	-	
	Total Messages	64	06	53		25		148
	Total farmers Benefitted	**25852**	**986**	**6375**		**4370**		**37583**

6. Seed & Planting Material Production

	Quintal/Number	Value Rs.	Distributed to No. of farmers
Seed (q)	290.41	2627253	1200
Planting material (No.)	15500		110
Bio-Products (kg)			
Livestock Production (No.)			
Fishery production (No.)			

7. Soil, water & plant Analysis

Type of Samples	No. of samples analysed	No. of farmers	Realised Total Value Rs.
Soil	252	252	25000
Water			
Plant			
Manure			
Others			
Total	**252**	**252**	**25000**

8. HRD and Publications

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

9. Achievements of Flagship Programmes:

Sr. No.	Name of Programme	Activities	Quantity/ Number	Period/ Area Covered (ha)	No. of Farmers benefitted	Revenue generated (Rs)
1	NICRA	FLDs	217	59.10		
		Training Programmes	16	-	481	
		Extension Activities	7	-	672	
		Custom Hiring Centre	1	-	20	2000
		VC RMC	3	-	11	
2	ARYA	Training Programmes		-		
		No. of enterprises being promoted				
		No. of Entrepreneurial Units established		-	-	
3	IFS (on farmers field)	IFS Units established			-	
		Demonstrations done				
		Training Programmes				
4	TSP/KSHAMTA	FLDs				
		Training Programmes				
		OFT				
		Mobile Agro Advisories		-		
		Extension Activities		-		
		Seed Production (q)				
		Planting Material Prod		-		
		Livestock Production				
		Fingerlings Production				
		Soil Testing		-		
5	SCSP	FLDs	4	69.95	270	
		Training Programmes	7		228	
		OFT	3	0.8	21	
		Mobile Agro Advisories				
		Extension Activities				
		Seed Production (q)				
		Planting Material Prod				
		Livestock Production				
		Fingerlings Production				
		Soil Testing				
6	CRM	Awareness programme (IEC activities)		-		
		Training programmes		-		
		Demonstrations				
		Kisan melas		-		
		Other activities (posters, banners, paintings etc)		-	-	
		Publicity material leaflets/ pamphlets etc distributed		-	-	
		Awareness through TV & Radio		-	-	
		Exposure visit		-		
		Field days		-		

		Advertisement published in Print media		-	-	
7	DAMU	Agro. Advisory services		-	-	
		Awareness camp				
		Training programmes				
		Bulletins Published				
		Articles Published				
		WhatsApp messages sent				
		Field visits conducted				
8	Pulses Seed Hub	Green gram (q)				
		Black gram (q)				
		Chickpea (q)	69.14	8.0	3	691695
		Field pea (q)				
		Lentil (q)	144.27	12.5	7	1450743
		Pigeonpea (q)				
9	ASCI	Name of Training programmes (200 hour duration) & period when conducted		-		
		1.				
		2.				
		3.				
10	Aspirational Districts Scheme	Training programmes for farmers		-		
		Training programmes for Staff		-		
11	NARI	Training Programmes	7		239	
		Extension Activities	4		869	
		Nutritional Garden units established	100		100	
		Bio-fortified crops demonstrated	2		10	
		Value addition	1		20	
		Work on Hunger Free Villages initiated				
12	Natural farming	Training programmes	3	-	113	
		No. of awareness	-	-	-	
		Demonstrations at farm	5	1.14	-	
		No. of farmers visited demonstration plots	-	-	200	
13	CSISA project	Wheat sowing by zero-tillage				
		DSR/machine transplanter of paddy				
		Paddy sowing time				
		Wheat sowing time				
14	MGMG	Groups or team formed				
		Scientists involved				
		Village's covered				
		Field activities conducted				
		Messages /Advisory sent				
16	Rainwater Harvesting Structures	Structure established at farmers fields				

		Demonstrations conducted				
		Training Programmes organised		-		
		Visits of farmers to such sites				
		Visits of officials to such sites				
17	Swachha Bharat Abhiyaan	Programmes organised		-		
18	Agri Drone	No. of Drones purchased		-	-	
		Demonstrations conducted				
19	CFLD	CFLD on Pulses	40.0	100	245	
		CFLD on Oilseeds	11.5	150	347	

10. Status of Revolving fund (As on 31st December, 2024):

- Last status (as on 31st December, 2023) : Rs. 444034.00
- Current status (as on 31st December, 2024) : Rs. 565463.00

DETAIL REPORT OF APR-(January 2024 to December 2024)

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, Banda, Kamasin, Banda	Office	FAX	kvkbanda@gmail.com

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

Address	Telephone		E mail
	Office	FAX	
Banda University of Agriculture and Technology, Banda	05192-232305	05192-232312	buat.dee@gmail.com, vc.buat@gmail.com

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Shyam Singh	6393231323	9450791440	shyamsingh15350@gmail.com

1.4. Year of sanction: 2007

1.5. Staff Position (as on 31st December, 2024)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Subject	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Pay scale fixed as on 1.1.2026	Category (SC/ST/ OBC/ Others)	Mobile no.	Age	Email id
1	Programme Coordinator	Dr. Shyam Singh	Sr. Scientist cum Head	Agronomy	37400-67000, GP 9000	161600	13.12.17	37400-67000, GP 9000	SC	9450791440	55	Kvkbanda @gmail.com
2	Subject Matter Specialist	Vacant	SMS (Agronomy)	-	15600-39100 GP 5400	-	-	15600-39100 GP 5400	-	-	-	-
3	Subject Matter Specialist	Dr. Pragya Ojha	SMS (Home Science)	Home Science	15600-39100 GP 5400	69000	12.12.17	15600-39100 GP 5400	GEN	9458891879	35	ojha.pragya063 @gmail.com
4	Subject Matter Specialist	Dr. Chanchal Singh	SMS (Plant Protection)	Plant Protection	15600-39100 GP 5400	75400	15.12.17	15600-39100 GP 5400	GEN	9454940084	41	chanchalsingh9 @gmail.com
5	Subject Matter Specialist	Vacant	SMS (Animal Sci)	-	15600-39100 GP 5400	-	-	15600-39100 GP 5400	-	-	-	-
6	Subject Matter Specialist	Dr. Diksha Patel	SMS (Agri. Extension)	Agri. Extension	15600-39100 GP 5400	67000	16.04.18	15600-39100 GP 5400	OBC	7404797378	33	pateldiksha279 @gmail.com
7	Subject Matter Specialist	Vacant	SMS (Horticulture)	-	15600-39100 GP 5400	-	-	15600-39100 GP 5400	-		-	-
8	Programme Assistant	Vacant	PA (Farm Manager/ Lab Tech)	-	9300-34800 GP 4200	-	-	9300-34800 GP 4200	-	-	-	-
9	Computer Programmer	Er. Ajeet Kr. Nigam	PA (Computer)	Computer Science	9300-34800 GP 4200	43600	12.12.17	9300-34800 GP 4200	GEN	8960987567	39	aknigam01 @gmail.com
10	Farm Manager	Vacant	PA (Farm Manager/ Lab Tech)	-	9300-34800 GP 4200	-	-	9300-34800 GP 4200	-		-	-
11	Accountant / Superintendent	Mr. Abhishek Kr. Shahi	Assistant	Assistant	9300-34800 GP 4200	43600	11.11.17	9300-34800 GP 4200	GEN	7897830330	33	Assistantbuat @gmail.com
12	Stenographer	Mr. Kamal Narayan	Stenographer Garde-III	Other	5200-20200, GP 2400	31400	11.11.17	5200-20200, GP 2400	GEN	9648711425	40	narayankamal550 @gmail.com
13	Driver	Mr. Chandra Shekhar	Driver	Other	5200-20200, GP 2000	26800	11.11.17	5200-20200, GP 2000	OBC	9556407161	48	Kvkbanda @gmail.com
14	Driver	Mr. Vikas Gupta	Driver	Other	5200-20200,	26800	11.11.17	5200-20200, GP	GEN	7379539458	32	Kvkbanda @gmail.com

					GP 2000			2000				
15	Supporting staff	Mr. Raghuveer	Supp. Staff	Other	5200-20200, GP 1900	31100	01.06.10	5200-20200, GP 1900	SC	9452226449	54	Kvkbanda @gmail.com
16	Supporting staff	Mrs. Ankita Nigam	Supp. Staff	Other	5200-20200, GP 1800	19100	27.06.22	5200-20200, GP 1800	GEN	8299389394	36	ankita1988nigam @gmail.com

1.6. Total land with KVK (in ha) : 8.69

S. No.	Item	Area (ha)
1	Under Buildings	01.69
2.	Under Demonstration Units	00.20
3.	Under Crops	07.00
4.	Orchard/Agro-forestry	
5.	Roads and other unused area	
6.	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			7700000.00	2011		Only Roof level construction
2.	Farmers Hostel	ICAR			2550000.00	2011		Foundation level
3.	Staff Quarters (6)				--	--		Nil
4.	Demonstration Units (6)	UP Govt.			3000000.00	2021		Completed
5	Fencing				--	--		Nil
6	Rain Water harvesting system				--	--		Nil
7	Threshing floor	UP Govt.			200000.00	2021		Completed
8	Farm godown				--	--		Nil

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Jeep Bolero LX	2010	4,57,526		Poor
Tractor Massy	2010	4,74,140		Poor
Motorcycle	-	-	-	-
Tractor Massy	2021	690766		Good

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Cultivator	2011	--	Old transferred from DDSF
Disc Harrow	2011	--	Old transferred from DDSF
Seeddril	2011	--	Old transferred from DDSF
Digital Camera	2014	7450	Good
Laptop+Biometric with UPS	2014	49000	Repairable
Desktop (Hp)	2019	49000	Good
UPS	2019	6000	Good
DSLR Camera	2019	43000	Good
Desktop (Lenova)	2020	28000	Good
PAS	2021	12000	Good
Cultivator	2021	26999	Good
Rotavator	2021	165000	Good
Disc Harrow	2021	124000	Good

1.8. A). Details SAC meeting* conducted in the year 2024

Sl.No.	Date	Number of of Participants	Salient Recommendations	Action taken
1.	NA	Not conducted	1. ….. 2. … 3. ….	1. ….. 2. … 3. ….

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, 2024)

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

S. No	Farming system/enterprises combinations
1.	Paddy-Wheat (irrigated) Paddy-Wheat (Un-irrigated)
2.	Fallow-Gram+Linseed
3.	Sesamum-Gram/Lentil/Field pea

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

S. No	Agro-climatic Zone	Agro-ecological situations (AES) based on soil & topography	Characteristics
1	Zone III		Arid Climate

2.3 Soil type/s

S. No	Soil type	Characteristics	Area in ha
1.	Rakar	Heavy coarse soil	46670
2.	Paruwa	Sandy-loam soil	142480
3.	Mar	Loamy soil	78600
4.	Kabar	Sandy soil	62509

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

S. No	Crop	Area (ha)	Production (MT.)	Productivity (Qt./ha)
A.	**Kharif 2023**			
1	Paddy	53038	129552	24.43
2	Til	12825	4489	3.50
3	Pigeon Pea	24795	39449	15.91
4	Jowar	41837	70956	16.96
5	Urd	3975	2496	6.28
6	Moong	2355	1413	6.00
7	Bajara	4712	6526	13.85
B.	**Rabi 2023-24**			
8	Wheat	186277	612851	32.90
9	Barley	1058	2576	24.35
10	Chickpea	100698	142468	14.15
11	Mustard	11562	14395	12.45
12	Field Pea	4237	4847	11.44
13	Lentil	43488	31703	7.29
14	Linseed	4570	2532	5.58

Source: District agriculture department.

2.5. Weather data (1st January, 2024 to 31st December, 2024)

Month	Rainfall (mm)	Temperature ^{0} C		Relative Humidity (%)
		Maximum	Minimum	
Jan-24	4.50	9.42	14.73	86.84
Feb-24	4.00	17.48	25.88	74.72
Mar-24	19.40	22.00	30.97	71.56

Apr-24	8.80	30.30	39.45	70.54
May-24	0.00	30.87	41.56	61.27
June-24	101.1	29.50	42.15	60.32
July-24	118.1	29.38	35.14	83.09
Aug-24	280.8	29.64	33.16	87.87
Sept-24	335.7	30.14	33.48	85.08
Oct-24	0.00	30.17	33.83	78.18
Nov-24	0.00	28.44	24.55	85
Dec-24	13.77	22.44	19.55	87

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

Category	Population	Production/year	Productivity
Cattle			
Crossbred	1560		3.1
Indigenous	254895		2.2
Buffalo	423761		4.1
Sheep			
Crossbred	0		
Indigenous	9702		
Goats	281392		0.65
Pigs			
Crossbred	0		
Indigenous	5409		
Rabbits			
Poultry			
Hens	18488		110 eggs
Desi			
Improved			
Ducks			
Turkey and others			

Category	Area	Production	Productivity
Fish			
Marine			
Inland			
Prawn			
Scampi			
Shrimp			

2.7 Details of Operational area / Villages (1st January, 2024 to 31st December, 2024)

Sl.No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Banda Sadar	Badhokhar Khurd	Kanwara	Arhar, Sesmum Gram, Lentill, Wheat, Dairy	Lack of Irrigation water Unavailability of improved variety seed, weed and disease infestation, low productivity and under nutrition of dairy animals, indiscriminate breeding	Moisture, Conservation Technique, Introduction of HYV, IPM, INM, IDM, breed improvement and balance ration
2	Banda Sadar	Badhokhar Khurd	Chahitara	Arhar, Sesmum Gram, Lentill, Wheat, Dairy	Lack of Irrigation water Unavailability of improved variety seed, weed and disease infestation, low productivity and under nutrition of dairy animals, indiscriminate breeding	Moisture, Conservation Technique, Introduction of HYV, IPM, INM, IDM, breed improvement and balance ration
3	Banda Sadar	Badhokhar Khurd	Mahokhar	Paddy, Arhar, Sesmum Gram, Lentill, Wheat, Dairy	Lack of Irrigation water Unavailability of improved variety seed, weed and disease infestation, low productivity and under nutrition of dairy animals, indiscriminate breeding	Moisture, Conservation Technique, Introduction of HYV, IPM, INM, IDM, breed improvement and balance ration

4	Banda Sadar	Badhokhar Khurd	Gureh	Arhar, Sesmum Gram, Lentill, Wheat, Linseed, Dairy	Lack of Irrigation water Unavailability of improved variety seed, weed and disease infestation, low productivity and under nutrition of dairy animals, indiscriminate breeding	Moisture, Conservation Technique, Introduction of HYV, IPM, INM, IDM, breed improvement and balance ration

2.8 Priority/thrust areas

Crop/Enterprise	Thrust area
Rice	Integrated Nutrient Management, IPM, Water Management
Urd & Til	Weed management, IDM, HYV
Sorghum	Moisture conservation, IPM, IDM
Pulse crops	Integrated Pest Management, IDM, HYV
Oilseed	Weed management, IPM, INM, HYV
Wheat	HYV, INM
Fruit & Vegetable crops	Varietal Assessment, ICM , Disease & Pest Management,
Animal Husbandry	Breed improvement, Feed, Balance Ration
Women Farmers	Drudgery, Food & Livelihood Security

3. TECHNICAL ACHIEVEMENTS

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

OFT (Technology Assessment)				FLD (Oilseeds, Pulses, Cotton, Other Crops/Enterprises)			
1				2			
Number of OFTs		Total no. of Trials		Area in ha		Number of Farmers	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
6	9	45 (110 Animals)	73 (12 Animals)	47.95	35.7	233 (90 Animals)	238 (72 Animals)

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	74	89	1850	2555	280	239	10500	13012
Rural youth	5	2	125	53				
Extn. Functionaries	8	5	200	118				

Seed Production (Qtl.)			Planting material (Nos.)		
5			6		
Target	Achievement	Distributed to no. of farmers	Target	Achievement	Distributed to no. of farmers
200	290.41	1200	15000	15500	110

I.A TECHNOLOGY ASSESSMENT

Summary of technologies assessed under various crops by KVKs (As per the approved Action Plan 2024 only)

Thematic areas	Crop	Name of the technology assessed	No. of trials	No. of farmers
Integrated Nutrient Management				
Varietal Evaluation	Wheat	Varietal assessment in Wheat Crop	4	4
Integrated Pest Management	Chickpea	Management module of pod borer	10	10
Integrated Crop Management				
Integrated Disease Management	Lentil	Management module for dry root rot	10	10
Small Scale Income Generation Enterprises				
Weed Management	Paddy	Assessment of Chemical weed control in Rice	4	4
	Wheat	Assessment of Chemical weed control in Wheat	5	5
Resource Conservation Technology				
Farm Machineries				
Integrated Farming System				
Seed / Plant production				
Post Harvest Technology / Value addition				
Drudgery Reduction				
Storage Technique				
Others (Pl. specify) Nutritional security	Ragi	Combating Malnutrition through Ragi Nutri Mixture	5	5
	Mustard	Assessment of Weather Based Information (WBI) on decision making during Mustard cultivation.	30	30
Total			**68**	**68**

In case of OFT not conducted, kindly mention the same and also given the reason.

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	Goat	Assessment of the effect of vitamin supplements on health and meat production in goats	12	4
Production and Management				
Others (Pl. specify)				
Total			**12**	**4**

Summary of technologies assessed under various enterprises by KVKs

Thematic areas	Enterprise	Name of the technology assessed	No. of trials	No. of farmers
Drudgery Reduction	Dairy	Reduction of Human Drudgery through Revolving Stool and Stand	5	5

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)

VARIETAL EVALUATION

Name of OFT: Varietal assessment in Wheat Crop

Wheat is the main crop during Rabi season in district Banda. In many areas wheat crop has been taken in Fallow- wheat cropping system by farmers since a long time. Wheat sowing is done in second fortnight of October to first fortnight of November and crop faces water stress during its growth and maturity furthermore most of the farmers used very old variety WH 147 and get very poor yield. A new variety DBW-187 suitable for timely sowing and less water requirements was evaluated by KVK, Banda at four farmers' fields of four villages during Rabi 2023-24 new variety DBW-147 was tested and compared with the old variety WH-147, popular among the farmers in district. The results show that the new variety DBW-187 performs better in district and gave 15.07 % higher yield than old variety WH-147. The average yield of variety DBW-187 was reported 33.82 q/ha with gross return (from Grain and Straw) of Rs. 97248/ha and B:C ratio 3.03 as compared to old variety yielded 29.45 q/ha with gross return Rs. 85232/ha and B:C ratio of 2.78.

Technology	Grain Yield (qt./ha)	Increase in yield (%)	Straw Yield (qt./ha)	Cost of Cultivation (Rs./ha)	Gross Income (Rs./ha)	Net Return (Rs./ha)	B:C Ratio
T1-Farmers Practice : (WH -147)	29.45	-	30.39	30600	85232	54632	2.78
T2- HYV DBW-187	33.82	14.84	33.84	32100	97248	65148	3.03
DOS 22-26.11.2023	DOH 25-30.03.24		Grain Sale Price Rs. 2275/q		Straw Sale Price Rs. 600/q		

Note: Gross return includes income from Grain and Straw

- **Sale Price of Wheat is: Rs. 2125/q and Straw Price is: Rs. 600/q in 2022-23**
- **Sale Price of Wheat is: Rs. 2200/q and Straw Price is: Rs. 600/q in 2021-22**

WEED MANAGEMENT

Name of OFT: Assessment of Chemical weed control in Rice

Problem definition: *Heavy infestation of weed in Rice*

Heavy infestation of weeds causes competition with main crop and reduce the crop yield drastically.

Technology Assessed (as the case may be) : *Pretilachlor 6.0% + Pyrazosulfuron-ethyle 0.15% GR (Readymix) @ 615 gm/ha after transplanting.*

KVK, Banda, Uttar Pradesh conducted on-farm trial on chemical weed management in Rice to assess effect of Pretilachlor 6.0% + Pyrazosulfuron-ethyle 0.15% GR (Readymix) on weed control during Kharif 2024. The results indicated that the use of Readymix gave 19.04 per cent increase in yield over hand weeding.

Table: Effect of Pretilachlor 6.0% + Pyrazosulfuron-ethyle 0.15% GR on weed control and yield of Rice

Technology Option	*No.of trials*	*Major parameter (as mentioned in the approved action plan 2024)*	*Results of indicators/ parameter)*	*Advantage (%) on parameters*	*Yield (t/ha)*	*Gross cost*	*Net Returns (Rs/ha)*	*B:C ratio*
T1 - One Hand weeding (Farmers Practice)	*4*	Weed Density (no/sqm)	*25*	*73*	*0.3675*	*38500*	*46025*	*2.19*
T2 - Pretilachlor 6.0% + Pyrazosulfuron-ethyle 0.15% GR (Readymix) @ 615 gm/ha PE.		Weed Density (no/sqm)	*3*		*0.4375*	*41500*	*59125*	*2.42*

WEED MANAGEMENT

Name of OFT: Assessment of Chemical weed control in Wheat

Problem definition: *Heavy infestation of weed in Wheat*

Heavy infestation of weeds causes competition with main crop and reduce the crop yield drastically.

Technology Assessed (as the case may be) : *Pretilachlor 6.0% + Pyrazosulfuron-ethyle 0.15% GR (Readymix) @ 615 gm/ha after transplanting.*

KVK, Banda, Uttar Pradesh conducted on-farm trial on chemical weed management in Wheat to assess effect of ***Sulfosulfuron @ 25 gm/ha and Clodinafop propagyl 15% +Metsulfuron 1% @ 400 g/ha at 30 DAS*** *on weed control during Rabi 2024-25. The results are awaited.*

Table: Effect of Pretilachlor 6.0% + Pyrazosulfuron-ethyle 0.15% GR on weed control and yield of Rice

Technology Option	*No.of trials*	*Major parameter (as mentioned in the approved action plan 2024)*	*Results of indicators/ parameter)*	*Advantage (%) on parameters*	*Yield (t/ha)*	*Gross cost*	*Net Returns (Rs/ha)*	*B:C ratio*
Area (a): Weed Control T1 - Sulfosulfuron @ 25 gm/ha	*5*	Weed Density (no/sqm)	*Result*	*awaited*				
T2 - Clodinafop propagyl 15% +Metsulfuron 1% @ 400 g/ha at 30 DAS		Weed Density (no/sqm)						

PEST MANAGEMENT

Name of OFT:- Management of chickpea pod borer

Problem definition: *Heavy infestation of chickpea pod borer effecting in a yield loss of 10-30% and income loss of Rs. 8000-10000/ha*

Technology Assessed (as the case may be): *Management module for pod borer in Chickpea*

Chickpea is an important pulse crop of Bundelkhand region. However, there is high occurrence of chickpea pod borer insect resulting in yield loss. KVK, banda conducted on-farm trial to assess the IPM module for chickpea pod borer. The refined technology of deep summer ploughing + timely sowing before 30th October + erection of bird perches + nipping till flower initiation + monitoring of insect with pheromone trap+ weed management + water management + need based application of Emamectin benzoate 5SG @ 200gr/ha in 500 L of water, which reduced the percentage of insect occurrence from 11.5 to 27.8 and yield was increased by 26.16 per cent.

Table: Effect of IPM module in management of chickpea pod borer in banda district of Bundelkhand region during Rabi, 2023-24

Technology Option	*No.of trials*	*Major parameter (as mentioned in the approved action plan 2024)*	*Results of indicators/ parameter)*	*Incidence (%)*	*Yield (kg/ha)*	*% Increase in yield over farmer's practice*	*Gross cost (Rs/ha)*	*Net Return (Rs./ha)*	*B:C Ratio*
Spray of Emamectin benzoate 5SG @ 1.0 gr./lit at pod formation stage of the crop (Farmers Practice)	*10*			*27.8*	*2260.0*	*--*	*35500.0*	*87444.0*	*2.4*
Spray of Emamectin benzoate 5SG @ 1.0 gr./2.5 lit at ETL (Recommended Practice)				*18.4*	*2490.0*	*10.17*	*35250.0*	*100206.0*	*2.8*
IPM Module- Deep summer ploughing + timely sowing before 30th October + erection of bird perches + monitoring of insect with pheromone trap+ weed management + water management + need based application of Emamectin benzoate 5SG @ 200gr/ha in 500 L of water				*11.5*	*2851.0*	*26.16*	*38600.0*	*116494.4*	*3.0*

DISEASE MANAGEMENT

Name of OFT:- Management of dry root rot in lentil
Problem definition: *Heavy infestation of dry root rot of lentil effecting in a yield loss of 8-15% and income loss of Rs. 5000-8000/ha*

Technology Assessed (as the case may be): *Management module for dry root rot in lentil*

Lentil is an important pulse crop of Bundelkhand region. However, there is high occurrence of lentil dry root rot disease resulting in yield loss. KVK, banda conducted on-farm trial to assess the technology options for management of dry root rot in lentil. The technology options are 1) Seed treatment with Trichoderma viride 1.0%WP @ 5.0gr/kg seed and 2) Seed treatment with Carbendazim 25% + Mancozeb 50% WS @ 2.0gr/kg seed.

Table: Table: Effect of technology options for management of chickpea pod borer in banda district of Bundelkhand region during Rabi, 2023-24

Technology Option	*No.of trials*	*Major parameter (as mentioned in the approved action plan 2024)*	*Results of indicators/ parameter)*	*Incidence (%)*	*Yield (kg/ha)*	*% Increase in yield over farmer's practice*	*Gross cost (Rs/ha)*	*Net Return (Rs./ha)*	*B:C Ratio*
No Seed treatment (Farmers Practice)	*10*			*32.7*	*Awaited*				
Seed treatment with Trichoderma viride 1.0%WP @ 5.0gr/kg seed (Recommended Practice)				*26.4*	*Awaited*				
Seed treatment with Carbendazim 25% + Mancozeb 50% WS @ 2.0gr/kg seed				*16.5*	*Awaited*				

LIVE STOCK ENTERPRISES

Name of OFT: Assessment of the effect of vitamin supplements on health and meat production in goats

KVK, Banda conducted nutrient management trial in Goat to enhance the meat production in gaots reared by the farmers as the farmers practice results in low meat production. The technology includes supplementation of vitamin supplements. Feeding of vitamin supplements in addition to farmers practice increased meat yield from 95 to 125 gm/animal.

Technology	**Body wt (gm/animal/day)**	**Increase in yield (%)**	**Gross Cost (Rs./Month/ Animal)**	**Gross Income (Rs./Month/ Animal)**	**Net Income (Rs./Month/ Animal)**	**B:C Ratio**
T1- Grazing + homemade ration	30	-	9	57	48	1.18
T2- T1+ Vitamin Suppliment /5 ml / day	36	16.6	13	75	62	1.20

DRUDGERY REDUCTION

Name of OFT: Reduction of Human Drudgery through Revolving Stool and Stand

Revolving stool and stand were provided to farm women who were involved in milking activity during Aug-Oct, 2024. Physiological parameters like handgrip strength, blood pressure, heart rate, drudgery index etc. were assessed. It was observed that with the use of revolving stool and stand the drudgery level was decreased among farm women and postural discomfort was also reduced. Farmers' reacted that revolving stool is drudgery reducing tool and increase the work efficiency. It is suitable for Bundelkhand region. Farmers' reacted that it was easy and comfortable milking with revolving stool and more milking can be done in less time.

Treatment	**Handgrip Strength**	**Blood Pressure**	**Heart Rate**	**Postural Discomfort (% Change)**	**Drudgery Index**
T1 (Traditional Method)	21 Kg	127/84 mmHg	84	52%	47
T2 (Revolving Stool and Stand)	38 Kg	121/80 mmHg	73	20%	18

NUTRITIONAL SECURITY

Name of OFT: Combating Malnutrition through Ragi Nutri Mixture

A study was conducted to assess the impact of consumption of ragi nutri mix on growth of preschool (3-5 years) in Kanwara Village of Banda during Oct- Dec, 2024. The sample was grouped into T1- control group and T2- experimental group. The sample from the experimental group were provided ragi nutri mix porridge (ragi powder: peanut powder: chana powder:: 2:1:1) of 50 gm each day for a period of 90 days. Pre test and post test were conducted for both experimental and control group. Physiological parameters like weight, height and mid upper arm circumference were measured. It was found that there was significant changes were observed in experimental group. Ragi Nutri mix powder is good for growth of physical and mental development of children. It effects positively on physiological parameters and suitable for growing children. Mothers of children were happy with improvement in height and weight of their child.

Treatment	Average Weight (Kg.)			Average Height (cm)			Mid Upper Arm Circumference		
	Pre-Test	Post-Test	Difference	Pre - Test	Post Test	Difference	Pre- Test	Post - Test	Difference
T1 (Experimental Group)	11.25	13.90	2.65	91.50	95.8	4.3	13.00	14.50	1.5
T2 (Control Group)	11.20	12.30	1.10	91.50	94.0	2.5	13.25	13.70	0.45

INFORMATION COMMUNICATION TECHNOLOGY

Technology Assessed: Assessment of Weather Based Information (WBI) on decision making during Mustard cultivation.

Mustard crop is one of the important crop of Rabi season of Banda which is grown over 10000 ha area in district. The average productivity of Mustard crop is very less i.e. 9.2 q/ha. The one of the main constraint is lack of awareness about weather based information among farmers. Therefore, KVK, Banda has initiated the trial on Assessment of Weather Based Information (WBI) on decision making during Mustard cultivation in the year 2023-24. In this trial 30 mustard growers were advised to use weather based information (Weather advisory, RARS, Jhansi (BUAT, Banda). The parameters like yield, cost saved and adoption rate will be analyzed after harvesting of crop.

Technology demonstrated	Level of knowledge (%)			't' value
	Pre- exposure	Post-exposure	Difference	
Farmer practice (n=20)	52.27	55.35	3.08	1.68
RARS Weather advisory (n=20)	54.43	73.69	19.26	14.27**

Crop	Demonstrated technology	Check	No. of demo	Yield		% increase in yield	Test of significance at 0.05 per cent of significance
				Demo	Check		
Mustard	RARS weather advisory	Traditional knowledge	20	12.80	10.73	19.25	t value= 6.48, table t (table)= 2.09

II. FRONTLINE DEMONSTRATION

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

List of technologies demonstrated during previous year and popularized during 2024-25 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	Wheat	Varietal	K-1317	Through Demonstration	24	115	185
2	Chickpea	IPM	Management of Pod Borer	Through Demonstration	8	55	21
3	Vegetables	Nutritional Security	Kitchen gardening model	Through Demonstration	11	344	1
4	Buffalo	Nutrient Management	Probiotic and liquid feed supplement	Through Demonstration	4	24	-
5	Goat	Nutrient Management	Vitamin supplement	Through Demonstration	3	26	-
6	Buffalo	Nutrient Management	Multi-Vitamin and Masta fast Spray	Through Demonstration	4	22	-

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

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

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

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	Wheat	VE	HYV K-1317	Rabi 2023-24	10	8.4	4	17	21	NA
2.	Paddy	ICM	Variety Pant Dhan-24 and RDF N:P:K:Zn (12:60:40:25)	Kharif 2024	10	10	8	17	25	NA
3	Wheat	ICM	Variety Karan Vandana and Zeero Till Seed Drill	Rabi 2024-25	10	8.8	3	19	22	-
4	Buffalo	FM	Multi-Vitamin and Masta fast Spray	Rabi 2023-24	-	-	5	13	18	-
5	Buffalo	FM	Probiotic and Liquid feed supplement	Rabi 2023-24	-	-	7	11	18	-
6	Vegtetables	Nutritional Security	Kitchen gardening kit	Rabi 2023-24	1.25	1.25	21	29	50	
7	Vegtetables	Nutritional Security	Kitchen gardening kit	Kharif 2024	1.25	1.25	27	23	50	
8	Linseed	IPM	IPM module for budfly	Rabi 2023-24	4.00	4.00	3	7	10	
9	Pulses	Storage	Super grain bag	Rabi 2023-24					20	

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					
Paddy	Kharif 2024	Irrigated	Clay Loam	L	M	M	Wheat	20-25.07.2024	15-25.11.2024	835	43
Wheat	Rabi 2024-25	Irrigated	Clay Loam	L	M	M	Paddy	5-15.12.2024	-		

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

S. No	Feed Back for researchers	Feedback for line department
1.	The variety PD 24 with RDF performed well under limited irrigation and late transplanting conditions. The lodging problem was not in variety.	The Variety Pant Dhan 24 shoul be promted in distt. Banda.
2.	The results of FLD on Wheat are awaited.	
3.	There is need to assess the adoptive trial of Bio-fortified varieties in Bundelkhand region for kitechen gardening.	Suitable bio-fortified varieties should be needed to popularized in Bundelkhand for kitechen gardening.

Technical feedback on specific technologies demonstrated in FLDs

S. No	Feed Back
1 Variety Pant Dhan-24	The response of recommended dose of fertilizers was reported in Paddy var. Pant Dhan-24
2 DBW-187	The results of FLD on Wheat are awaited.
3. By Pass Protein and Liquid Feed Supplement	Farmers were satisfied with the Mineral mixture technologies as it increase the milk production of buffalo
4Vitamin supplements	Farmers were satisfied with the Vitamin supplements technologies as it enhances the daily gain in body weight of Goat.
5.Kitchen gardening	It promotes the food and nutritional security and helpful to combat the problem of malnutrition

Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organised	Date	Number of participants	Remarks
1	Field days	4	Jan-Dec 2023	44	
2	Farmers Training	5	Jan-Dec 2023	112	
3	Media coverage	11	Jan-Dec 2023	Mass	
4	Training for extension functionaries	1	Jan-Dec 2023	24	

Performance of Frontline demonstrations

Frontline demonstrations on oilseed crops

Crop	Variety	Name of Technology	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. etc as approved in the action plan)	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																							
Sesamum																							
Mustard																							
Toria																							
Linseed	BUAT Alsi-4	IPM Module	10	4.0									8.3	6.5	27.6	15200	39010	23810	1.5	13800	30550	16750	1.2
Sunflower																							
Soybean																							

* 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	Research work is needed on sowing method like raised bed	BUAT- Alsi 04 is a High yielding variety of Sesame which should be needed to popularized in Banda district
2		

Technical feedback on specific technologies demonstrated in FLDs

S. No	**Feed Back**
1	BUAT- Alsi 04 is a High yielding variety of Sesame which is liked by farmers.
2	IPM module resulted in control of Linseed budfly population by 20-22%

Frontline demonstration on pulse crops

Crop	**Variety**	**Name of Technology**	**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																							
Blackgram																							
Greengram																							
Chickpea																							
Fieldpea																							

Lentil																						
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		
2		

Technical feedback on specific technologies demonstrated in FLDs

S. No	**Feed Back**
1	
2	

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		Variety Pant Dhan-24 and RDF N:P:K:Zn (12:60:40:25)	Pant Dhan 24	25	10	No. of tillers per hill	25	16	18	16	12	44.26	38.80	41.56	35.63	16.63	40100	95588	55488	2.38	38500	81949	43449	2.13
Waterlogged Situation																								
Coarse Rice																								
Scented Rice																								
Wheat		Variety Karan Vandana and Zeero Till Seed Drill	Karan Vandana	21	8.8	Result awaited																		

		High Yielding Variety	K-1317	21	8.4				33.83	31.82	12.53						31000	88802	57802	2.86	29400	79973	50573	2.72
Wheat Timely sown																								
Wheat Late Sown																								
Mandua																								
Barley																								
Maize																								
Amaranth																								
Millets																								
Jowar																								
Bajra																								
Barnyard millet																								
Finger millet																								

Vegetables																								
Bottlegourd																								
Bittergourd																								
Cowpea																								
Spongegourd																								
Petha																								
Tomato																								
Frenchbean																								
Capsicum																								
Chilli																								
Brinjal																								
Vegetable pea																								

Softgourd																							
Okra																							
Colocasia (Arvi)																							
Broccoli																							
Cucumber																							
Onion																							
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																							
Medicinal & aromatic plants																							
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		
2		

Technical feedback on specific technologies demonstrated in FLDs

S. No	**Feed Back**
1	
2	

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	FM	Multi-Vitamin and Masta fast Spray	18	36	1560	1200	30			21800	78000	56200	3.57	23200	60000	36800	2.58
	FM	Probiotic and Liquid feed supplement	18	36	7.4	6.5	13.8			130	407	277	3.13	120	357.5	237.5	2.97
Buffalo Calf																	
Dairy																	
Poultry																	
Sheep & Goat																	
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	More efficient and low cost Probiotic need to be developed	Feeding of Probiotic along with liquid feed supplement enhances the milk yield. Farmers have to be aware regarding use of inputs.
2	More efficient and low cost Vitamin supplement in micronized form need to be developed	Feeding of Vitamin supplement enhances growth. Farmers have to be aware regarding use of inputs.

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																
Storage	Super grain bag	20	240				5.34	22.75	24000	568000	544000	22.6	3600	232000	228400	63.4

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
Drudgery Reduction	Fruit Catcher (Manual Operated)	5	Drudgery Index Postural Discomfort Handgrip Strength Productivity Time Level of OHH	22 16% Right- 36 Kg Left: 38 Kg 20 Kg./ hr 48% Saved OHH- 29%	47 52% Right: 21 Kg Left: 24 Kg 12.6 Kg/hr OHH: 78 %

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 (Kharif)	Nutritional Security	Nutri- Garden Kit	50	100	2142	1354	158.19			874	2789	1915	2.19	269	717	448	1.66
Kitchen Gardening (Rabi)	Nutritional Security	Nutri- Garden Kit	50	100	2953	1169	252.60			975	3697	2722	2.79	234	554	320	1.36

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

S. No	Feed Back for researchers	Feedback for line department
1	There is a need to assess the adoptive trial of Bio-fortified varieties in Bundelkhand region.	Suitable bio-fortified varieties should be needed to popularized in Bundelkhand
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* **2024***)*

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)		
Banda	Chickpea	JG-36	0.03	3.78	34985	Chickpea	JG-36	0.03	4.11	32485	18.10.2023	21.03.2024
Banda	Wheat	DBW-187	0.03	2	28960	Wheat	DBW-187	0.03	2.55	27210	18.10.2023	24.03.2024
Banda	Linseed	BUAT-Alsi-4	0.03	11.68	31885	Linseed	BUAT-Alsi-4	0.03	13.51	19950	20.10.2023	03.04.2024
Banda	Mustard	Giriraj	0.4	6.33	29204	Mustard	Giriraj	0.4	7.34	26250	24.10.2023	14.03.2024
Banda	Lentil	IPL-316	0.65	5.8	35540	Lentil	IPL-316	0.65	6.25	27250	25.10.2023	10.03.2024

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.)
Banda	Plot-1		10	269	0.53			1.28						
Banda	Plot-2		13	269	0.47			0.9						
Banda	Plot-3		13	269	0.53			1.26						
Banda	Plot-4		18	269	0.53			0.84						
Banda	Plot-5		16	269	0.5			0.98						
Banda	Plot-6		15	246	0.53			0.92						

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	Banda	Nibhaur	Vikas Singh	9415925574	1
2	Banda	Janwara	Vishv Baran Singh	8953995670	1
3	Banda	Arbai	Sushil Kumar	9399918988	1
4	Banda	Manipur	Alok Singh	9415496762	1
5	Banda	Khairada	Gyan Singh	7307261953	1
6	Banda	Oraha	Vinod Kumar Mishra	7080561427	1
7	Banda	Tindwari	Gyan Singh	9721141565	1
8	Banda	Toliya	Lalak Singh	9984635315	1
9	Banda	Jaspura	Haribhan Singh	9873531070	1
10	Banda	Jaspura	Sushil Singh	7897501938	1
11	Banda	Kairi	Suman Singh	9616020216	1
12	Banda	Khaptiya kala	Sabhjit	9793757610	1

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	Banda	Naval Kishor	1	2	Paddy, Wheat	4	2	Pigeionpea, Greengram	
2	Banda	Jagdish Singh	1	3	Jwar, Bajara, Mung, Til, Chickpea, Lentil, Mustard	3	3	Jwar, Bajara, Mung, Til, Chickpea, Lentil, Mustard	
3	Banda	Shivakant Mishra	4	8	Wheat, c, f ,l ,paddy, til mung	4	1	Durum wheat, Vegetables, Chickpeea, corriender	
4	Banda	Shatrudhan Yadav	2	4	Urd mung jwar bajara til, chickpea, mustard, wheat	9	4	Urd mung jwar bajara til, chickpea, mustard, wheat	
5	Banda	Lallan Prasad	1	5	Wheat, Mustard, Fieldpea,	2	1	Wheat, Horticultural crop, Chickpea	

6	Banda	Mahesh Prasad	2	6	Chickpea, Wheat, Fieldpea, Til, Lentil	3	0.4	Chickpea, Wheat, Fieldpea, Til, Lentil	
7	Banda	Rajendra Prasad	2	2	Paddy, Wheat	2	1	Paddy. Wheat	
8	Banda	Ram Babu	1	1	Wheat, Chickpea, Paddy, Lentil, Fieldpes	1	0.4	Wheat	
9	Banda	Alok Singh	2	2	Mustard, Wheat	7	1	Mustard, Wheat, Horticulture	
10	Banda	Sushil Singh	2	5	Paddy, Chickpea, Fieldpea, Lentil, Wheat, Horticultural	5	2	Paddy, Chickpea	
11	Banda	Jai Narayan Singh Tomar	1	4	Paddy, Wheat	5	0.75	Wheat, Horticultural	
12	Banda	Vikas Singh	1	9	Pigeonpea, Til, Chickpea,Mustard	1	0.4	Paddy, Barley	
13	Banda	Mahanand Singh	2	4	Paddy, Chickpea, Wheat, Greengram	1	2	Wheat, Chickpea, Vegetables	
14	Banda	Lal Babu	2	3	Paddy, Chickpea, Wheat	2	1	Wheat, Chickpea	

5) Natural Farming Nodal officer & Associate Name

S.No.	Name of KVK	Name of Head/SMS	Discipline/Subject	Mobile No.
1	Banda	Dr. Chanchal Singh	Plant Protection	9454940084
2	Banda	Dr. Diksha Patel	Agriculture Extension	7404797378
3	Banda	Dr. Pragya Ojha	Home Science	9458891879

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)

4) Details of Agri-Drone demonstration

Name of KVK	Season	Crop	Area covered under demonstration (ha)	Name of inputs used for demonstration	Dose/Rate of input used	Crop growth		Yield (q/ha)		Economics			
										Gross cost (Rs/ha)		Gross return (Rs/ha)	
						Demo	Control	Demo plot	Control plot	Demo	Check	Demo	Check

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

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

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 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											
Resource Conservation Technologies											
Cropping Systems											
Crop Diversification											
Integrated Farming											
Micro Irrigation/irrigation											
Seed production											
Nursery management											
Integrated Crop Management	Scientific cultivation of Horse gram, Scientific cultivation of Linseed , Scientific cultivation of Lentil, Integrated Crop Management in Rabi Oilseed crops	3	48	3	51	23	1	24	71	4	75
Soil & water conservatioin											
Integrated nutrient management											
Production of organic inputs											
Others (pl specify)											
Total		**3**	**48**	**3**	**51**	**23**	**1**	**24**	**71**	**4**	**75**
II Horticulture											
a) Vegetable Crops											
Production of low value and high valume crops											
Off-season vegetables											
Nursery raising											
Exotic vegetables											

Export potential vegetables											
Grading and standardization											
Protective cultivation											
Others (pl specify)											
Total (a)											
b) Fruits											
Training and Pruning											
Layout and Management of Orchards											
Cultivation of Fruit											
Management of young plants/orchards											
Rejuvenation of old orchards											
Export potential fruits											
Micro irrigation systems of orchards											
Plant propagation techniques											
Others (pl specify)											
Total (b)											
c) Ornamental Plants											
Nursery Management											
Management of potted plants											
Export potential of ornamental plants											
Propagation techniques of Ornamental Plants											
Others (pl specify)											
Total (c)											
d) Plantation crops											
Production and Management technology											
Processing and value addition											
Others (pl specify)											
Total (d)											
e) Tuber crops											
Production and Management technology											
Processing and value addition											
Others (pl specify)											
Total (e)											
f) Spices											
Production and Management technology											
Processing and value addition											
Others (pl specify)											
Total (f)											
g) Medicinal and Aromatic Plants											
Nursery management											
Production and management technology											
Post harvest technology and value addition											
Others (pl specify)											
Total (g)											

GT (a-g)											
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	Uses of Nano D A P in Mustard	1	16	1	17	8	0	8	24	1	25
Balance use of fertilizers	Use of Sulpgur in Sesamum, Use of Sulpgur in Mustard	2	9	5	14	12	26	38	21	31	52
Soil and Water Testing	Soil Testing: Time, Method and Importance, Soil Testing: Time, Method and Importance, Soil and Water Testing For soil health	1	0	0	0	25	3	28	25	3	28
Others (pl specify)											
Total		**4**	**25**	**6**	**31**	**45**	**29**	**74**	**70**	**35**	**105**
IV Livestock Production and Management											
Dairy Management											
Poultry Management											
Piggery Management											
Rabbit Management											
Animal Nutrition Management											
Disease Management	Management of Mestitis in Dairy animals, Importance of vaccination in dairy animals	2	26	6	32	18	2	20	44	8	52
Feed & fodder technology											
Production of quality animal products											
Others (pl specify)											
Total		**2**	**26**	**6**	**32**	**18**	**2**	**20**	**44**	**8**	**52**
V Home Science/Women empowerment											
Household food security by kitchen gardening and nutrition gardening	Importance of Nutri-Garden in Food and Nutritional Security	1	0	23	23	0	2	2	0	25	25
Design and development of low/minimum cost diet					0			0	0	0	0
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	Awareness regarding characteristics and	1	0	23	23	0	11	11	0	34	34

	functions of SHG										
Storage loss minimization techniques					0			0	0	0	0
Value addition					0			0	0	0	0
Women empowerment	Environment Conservation and Income Generation with the reuse of household waste	1	0	11	11	0	9	9	0	20	20
Location specific drudgery reduction technologies	Role of ergonomically designed farm tools and equipments in drudgery reduction	1	0	15	15	0	9	9	0	24	24
Rural Crafts					0			0	0	0	0
Women and child care	Role and Importance of Vaccination in Human Health, Care of Malnourished Child	2	0	28	28	0	22	22	0	50	50
Others (pl specify)											
Total		**6**	**0**	**100**	**100**	**0**	**53**	**53**	**0**	**153**	**153**
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	Role of Summer ploughing in IPM, IPM in nursery of paddy, IPM in Kharif crops, IPM in lentil and IPM in Kitchen garden	5	69		69	22	25	47	91	25	116
Integrated Disease Management											
Bio-control of pests and diseases											
Production of bio control agents and bio pesticides											
Others (pl specify)	Safe storage of food grains	1	30		30			0	30	0	30
Total		**6**	**99**	**0**	**99**	**22**	**25**	**47**	**121**	**25**	**146**
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											
Planting material production											
Bio-agents production											
Bio-pesticides production											
Bio-fertilizer production											
Vermi-compost production											
Organic manures production											
Production of fry and fingerlings											
Production of Bee-colonies and wax sheets											
Small tools and implements											
Production of livestock feed and fodder											
Production of Fish feed											
Mushroom Production											
Apiculture											
Others (pl specify)											
Total											
X Capacity Building and Group Dynamics											
Leadership development											
Group dynamics											
Formation and Management of SHGs											
Mobilization of social capital	Agri infrastrcture fund scheme: awareness and Importance	1	0	0	0	12	13	25	12	13	25
Entrepreneurial development of farmers/youths	Entrepreneurship development through quality seed production, Importance of Agri-tourism and entrepreneurship for enhancing rural economy, Different avenues of entrepreneurship development in bundelkhand region	3	53	11	64	7	5	12	73	8	81
WTO and IPR issues											
Others (pl specify)	Role of social media and print media in farmers development, Application of ICT tools in agriculture	2	8	0	8	39	1	40	35	13	48

Total		**6**	**61**	**11**	**72**	**58**	**19**	**77**	**120**	**34**	**154**
XI Agro-forestry											
Production technologies											
Nursery management											
Integrated Farming Systems											
Others (pl specify)											
Total											
GRAND TOTAL		**27**	**259**	**126**	**385**	**166**	**129**	**295**	**426**	**259**	**685**

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											
Resource Conservation Technologies	Crop Residue management in Rice	1	23	0	23	2	0	2	25	0	25
Cropping Systems											
Crop Diversification											
Integrated Farming											
Micro Irrigation/irrigation											
Seed production											
Nursery management	Nursery Management in Paddy	1	26	0	26	0	0	0	26	0	26
Integrated Crop Management	Integrated Crop Management in Rabi Oilseed crops	1	33	0	33	1	0	1	34	0	34
Soil & water conservatioin											
Integrated nutrient management											
Production of organic inputs											
Others (pl specify)	Thinning and Detopping In Mustard: Time and Benefits	1	0	0	0	22	5	27	22	5	27
Total		**4**	**82**	**0**	**82**	**25**	**5**	**30**	**107**	**5**	**112**
II Horticulture											
a) Vegetable Crops											
Production of low value and high valume crops											
Off-season vegetables											
Nursery raising											
Exotic vegetables											
Export potential vegetables											
Grading and standardization											
Protective cultivation											
Others (pl specify)											
Total (a)											
b) Fruits											
Training and Pruning											
Layout and Management of Orchards											
Cultivation of Fruit											
Management of young plants/orchards											
Rejuvenation of old orchards											
Export potential fruits											
Micro irrigation systems of orchards											
Plant propagation techniques											
Others (pl specify)											
Total (b)											
c) Ornamental Plants											

Nursery Management											
Management of potted plants											
Export potential of ornamental plants											
Propagation techniques of Ornamental Plants											
Others (pl specify)											
Total (c)											
d) Plantation crops											
Production and Management technology											
Processing and value addition											
Others (pl specify)											
Total (d)											
e) Tuber crops											
Production and Management technology											
Processing and value addition											
Others (pl specify)											
Total (e)											
f) Spices											
Production and Management technology											
Processing and value addition											
Others (pl specify)											
Total (f)											
g) Medicinal and Aromatic Plants											
Nursery management											
Production and management technology											
Post harvest technology and value addition											
Others (pl specify)											
Total (g)											
GT (a-g)											
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	Soil Testing: Time, Method and Importance, Soil and Water Testing For soil health	2	41	0	41	28	0	28	69	0	69
Others (pl specify)		**2**	**41**	**0**	**41**	**28**	**0**	**28**	**69**	**0**	**69**
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	Designing and development of different models of Nutri- Garden	1	0	17	17	0	11	11	0	28	28
Design and development of low/minimum cost diet	Low Cost Recipe preparation with the use of lacal food resources	1	0	12	12	0	18	18	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	Role of SHGs in Women Empowerment	1	0	11	11	0	17	17	0	28	28
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	Awareness regarding the use of milking stand and stools for drudgery reduction	1	0	13	13	0	16	16	0	29	29
Rural Crafts					0			0	0	0	0
Women and child care	Importance of hygeine to control seasonal diseases	1	0	9	9	0	11	11	0	20	20
Others (pl specify)											
Total		**5**	**0**	**62**	**62**	**0**	**73**	**73**	**0**	**135**	**135**
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	Management of sap sucking insects in lentil, Role Cultural practices in IPM, Role of beneficial insects in	9	151	2	153	72		72	223	2	225

	agriculture, Management of capsule borer in sesame, IPM in Paddy, Role of light trap in IPM, Pre-sowing IPM practices in Mustard and Monitoring of pod borer in chickpea.										
Integrated Disease Management	Management of soil borne diseases in pulses,	1	17		17	3		3	20		20
Bio-control of pests and diseases	Conservation of natural enemies in paddy agro-ecosystem	1	30		30				30		30
Production of bio control agents and bio pesticides	Preparation of neem based insecticides	1	22		22	5		5	27		27
Others (pl specify)											
Total		**12**	**220**	**2**	**222**	**80**	**0**	**80**	**300**	**2**	**302**
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											
Planting material production											
Bio-agents production											
Bio-pesticides production											
Bio-fertilizer production											
Vermi-compost production											
Organic manures production											
Production of fry and fingerlings											
Production of Bee-colonies and wax sheets											
Small tools and implements											
Production of livestock feed and fodder											
Production of Fish feed											
Mushroom Production											
Apiculture											
Others (pl specify)											
Total											
X Capacity Building and Group Dynamics											

Leadership development											
Group dynamics	Importance of FPO for farmers development	1	0	0	0	30	0	30	30	0	30
Formation and Management of SHGs	Marketing strategies for SHG and FPO	1	17	4	21	7	2	9	26	0	26
Mobilization of social capital											
Entrepreneurial development of farmers/youths											
WTO and IPR issues	Agri startup-need of the hour	1	0	0	0	13	12	25	13	12	25
Others (pl specify)	Kisan Sarathi Portal: Awareness and importance, Climate change: Awareness and Risk management	3	46	0	46	17	12	29	63	12	75
Total		**6**	**63**	**4**	**67**	**67**	**26**	**93**	**132**	**24**	**156**
XI Agro-forestry											
Production technologies											
Nursery management											
Integrated Farming Systems											
Others (pl specify)											
Total											
GRAND TOTAL		**29**	**406**	**68**	**474**	**200**	**104**	**304**	**608**	**166**	**774**

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											
Resource Conservation Technologies	Crop Residue management in Rice	1	23	0	23	2	0	2	25	0	25
Cropping Systems											
Crop Diversification											
Integrated Farming											
Micro Irrigation/irrigation											
Seed production											
Nursery management	Nursery Management in Paddy	1	26	0	26	0	0	0	26	0	26
Integrated Crop Management	Scientific cultivation of Horse gram, Scientific cultivation of Linseed , Scientific cultivation of Lentil, Integrated Crop Management in Rabi Oilseed crops	4	81	3	84	24	1	25	105	4	109
Soil & water conservatioin											
Integrated nutrient management											
Production of organic inputs											
Others (pl specify)	Thinning and Detopping In Mustard: Time and Benefits	1	0	0	0	22	5	27	22	5	27

Total		**7**	**130**	**3**	**133**	**48**	**6**	**54**	**178**	**9**	**187**
II Horticulture											
a) Vegetable Crops											
Production of low value and high valume crops											
Off-season vegetables											
Nursery raising											
Exotic vegetables											
Export potential vegetables											
Grading and standardization											
Protective cultivation											
Others (pl specify)											
Total (a)											
b) Fruits											
Training and Pruning											
Layout and Management of Orchards											
Cultivation of Fruit											
Management of young plants/orchards											
Rejuvenation of old orchards											
Export potential fruits											
Micro irrigation systems of orchards											
Plant propagation techniques											
Others (pl specify)											
Total (b)											
c) Ornamental Plants											
Nursery Management											
Management of potted plants											
Export potential of ornamental plants											
Propagation techniques of Ornamental Plants											
Others (pl specify)											
Total (c)											
d) Plantation crops											
Production and Management technology											
Processing and value addition											
Others (pl specify)											
Total (d)											
e) Tuber crops											
Production and Management technology											
Processing and value addition											
Others (pl specify)											
Total (e)											
f) Spices											
Production and Management technology											
Processing and value addition											
Others (pl specify)											
Total (f)											
g) Medicinal and Aromatic Plants											
Nursery management											
Production and management technology											
Post harvest technology and value addition											
Others (pl specify)											
Total (g)											
GT (a-g)											
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	Uses of Nano D A P in Mustard	1	16	1	17	8	0	8	24	1	25
Balance use of fertilizers	Use of Sulphur in Sesamum, Use of Sulphur in Mustard	2	9	5	14	12	26	38	21	31	52
Soil and Water Testing	Soil Testing: Time, Method and Importance, Soil Testing: Time, Method and Importance, Soil and Water Testing For soil health Soil Testing: Time, Method and Importance, Soil and Water Testing For soil health	3	41	0	41	53	3	56	94	3	97
Others (pl specify)											
Total		**6**	**66**	**6**	**72**	**73**	**29**	**102**	**139**	**35**	**174**
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	Importance of Nutri- Garden in Food and Nutritional Security, Designing and development of different models of Nutri- Garden	2	0	40	40	0	13	13	0	53	53
Design and development of low/minimum cost diet	Low Cost Recipe preparation with the use of lacal food resources	1	0	12	12	0	18	18	0	30	30
Designing and development for high nutrient efficiency diet		0	0	0	0	0	0	0	0	0	0
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 mainstreaming	Awareness	2	0	34	34	0	28	28	0	62	62

through SHGs	regarding characterstics and functions of SHG, Role of SHGs in Women Empowerment										
Storage loss minimization techniques		0	0	0	0	0	0	0	0	0	0
Value addition		0	0	0	0	0	0	0	0	0	0
Women empowerment	Environment Conservation and Income Generation with the reuse of household waste	1	0	11	11	0	9	9	0	20	20
Location specific drudgery reduction technologies	Role of ergonomically designed farm tools and equipments in drudgery reduction, Awareness regarding the use of milking stand and stools for drudgery reduction	2	0	28	28	0	25	25	0	53	53
Rural Crafts		0	0	0	0	0	0	0	0	0	0
Women and child care	Role and Importance of Vaccination in Human Health, Care of Malnourished Child, Importance of hygeine to control seasonal diseases	3	0	37	37	0	33	33	0	70	70
Others (pl specify)		0	0	0	0	0	0	0	0	0	0
Total		**11**	**0**	**162**	**162**	**0**	**126**	**126**	**0**	**288**	**288**
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	Management of sap sucking insects in lentil, Role of Summer ploughing in IPM, Role Cultural practices in IPM, IPM in nursery of paddy,	14	220	2	222	94	25	119	314	27	341

	IPM in Kharif crops, Management of capsule borer in sesame, IPM in Paddy, Role of light trap in IPM, IPM in lentil, Pre-sowing IPM practices in Musrard, IPM in Kitchen garden and Monitoring of pod borer in chickpea.										
Integrated Disease Management	Management of soil born diseases in pulses,	1	17	0	17	3	0	3	20	0	20
Bio-control of pests and diseases	Conservation of natural enemies in paddy agro-ecosysytem	1	30	0	30	0	0	0	30	0	30
Production of bio control agents and bio pesticides	Preparation of neem based insecticides	1	22	0	22	5	0	5	27	0	27
Others (pl specify)	Safe storage of food grains	1	30	0	30	0	0	0	30	0	30
Total		**18**	**319**	**2**	**321**	**102**	**25**	**127**	**421**	**27**	**448**
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											
Planting material production											
Bio-agents production											
Bio-pesticides production											
Bio-fertilizer production											
Vermi-compost production											
Organic manures production											
Production of fry and fingerlings											
Production of Bee-colonies and wax sheets											
Small tools and implements											
Production of livestock feed and fodder											
Production of Fish feed											
Mushroom Production											
Apiculture											
Others (pl specify)											

Total											
X Capacity Building and Group Dynamics											
Leadership development											
Group dynamics	Importance of FPO for farmers development	1	0	0	0	30	0	30	30	0	30
Formation and Management of SHGs	Marketing strategies for SHG and FPO	1	17	4	21	7	2	9	24	6	30
Mobilization of social capital	Agri infrastrcture fund scheme: awareness and Importance	1	0	0	0	12	13	25	12	13	25
Entrepreneurial development of farmers/youths	Entrepreneurship development through quality seed production, Importance of Agri-tourism and entrepreneurship for enhancing rural economy, Different avenues of entrepreneurship development in bundelkhand region	3	53	11	64	7	5	12	60	16	76
WTO and IPR issues	Agri startup-need of the hour	1	0	0	0	13	12	25	13	12	25
Others (pl specify)	Role of social media and print media in farmers development, Application of ICT tools in agriculture, Kisan Sarathi Portal: Awareness and importance, Climate change: Awareness and Risk management	5	54	0	54	56	13	69	110	13	123
Total		**12**	**124**	**15**	**139**	**125**	**45**	**170**	**249**	**60**	**309**
XI Agro-forestry											
Production technologies											
Nursery management											
Integrated Farming Systems											
Others (pl specify)											
Total											
GRAND TOTAL		**56**	**665**	**194**	**859**	**366**	**233**	**599**	**1031**	**427**	**1458**

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	Scientific method of mushroom production	1	29		29			0	29	0	29
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		**1**	**29**		**29**			**0**	**29**	**0**	**29**

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	Scientific method of mushroom production	1	29		29			0	29	0	29
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		**1**	**29**		**29**			**0**	**29**	**0**	**29**

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											
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	Importance of Soft skill development for Extension personnel, Farmer producer organisation: formation and management	2	0	40	40	0	9	9	0	49	49
Information networking among farmers											
Capacity building for ICT application											
Management in farm animals											
Livestock feed and fodder production											
Household food security	Awareness regarding importance of nutri garden to combat malnutrition	1	0	21	21	0	9	9	0	30	30
Any other (pl.specify)											
TOTAL		**3**	**0**	**61**	**61**	**0**	**18**	**18**	**0**	**79**	**79**

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)	Concept of Natural Farming, and Agronomical Practices of Millets	2	39		39			0	39	0	39
TOTAL		**2**	**39**		**39**			**0**	**39**	**0**	**39**

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											
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	Importance of Soft skill development for Extension personnel, Farmer producer organisation: formation and management	2	0	40	40	0	9	9	0	49	49
Information networking among farmers											
Capacity building for ICT application											
Management in farm animals											
Livestock feed and fodder production											
Household food security	Awareness regarding importance of nutri garden to combat malnutrition	1	0	21	21	0	9	9	0	30	30
Any other (pl.specify)	Concept of Natural Farming, and Agronomical Practices of Millets	2	39		39			0	39	0	39
TOTAL		**5**	**39**	**61**	**100**	**0**	**18**	**18**	**39**	**79**	**118**

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	Production technologies of Kharif crops- Clover India, Dehradoon, Chemical free farming- Manjari foundation, Banda, Integrated farming system for sustainable farming - SRIJAN Foundation, Mahoba, Scientific cultivation of Lentil-Model pulse village, Integrated Pest Management in Dryland Agriculture (CoE); Scietific cultivat, Scientific cultivation of Katia Wheat, Sprinkler irrigation in legume crop : method and benefits,Pest management in pulse crops,Pest management in Oilseed crops,ntegrated Pest & Disease in Field-pea,Integrated crop management in Rabi cereals crop (NICRA), Scientific cultivation of Linseed under dry land agriculture, CoE	21	293	194	487	117	84	201	410	278	688
Commercial production of vegetables											
Production and value addition											
Fruit Plants											
Ornamental plants											
Spices crops											
Soil health and fertility management											
Production of Inputs at site	Natural Farming under Natural Farming Project	3	98		98	15		15	113	0	113
Methods of protective cultivation	Protected cultivation of vegetable and fruits- BAIF, Sonbhadra	1	22	0	22	13	0	13	35	0	35

Others (pl. specify)	Scientific technology of mushroom production under NICRA	2	33	12	45	16	2	18	49	14	63
Total		**27**	**446**	**206**	**652**	**161**	**86**	**247**	**607**	**292**	**899**
Post harvest technology and value addition											
Processing and value addition	Value addition and processing of seasonal fruits and vegetables under NICRA, Processing of organic products, CoE	2	7	46	53	0	7	7	7	53	60
Others (pl. specify)											
Total											
Farm machinery											
Farm machinery, tools and implements											
Others (pl. specify)											
Total											
Livestock and fisheries											
Livestock production and management	Natural farming and Livestock farming, AVAADA Foundation, Banda, Care of Dairy animals in summer season, CoE	2	43	8	51	23	4	27	66	12	78
Animal Nutrition Management											
Animal Disease Management											
Fisheries Nutrition											
Fisheries Management											
Others (pl. specify)											
Total		**2**	**43**	**8**	**51**	**23**	**4**	**27**	**66**	**12**	**78**
Home Science											
Household nutritional security											
Economic empowerment of women											
Drudgery reduction of women											
Others (pl. specify)											
Total											
Agricultural Extension											
Capacity Building and Group Dynamics	Rural Agricultural Weather Service Bulletin: Utility and Awareness, Scheme of Agriculture based industries for rural youth under NICRA	2	21	7	28	30	2	32	51	9	60
Others (pl. specify)											
Total		**2**	**21**	**7**	**28**	**30**	**2**	**32**	**51**	**9**	**60**
GRAND TOTAL		**33**	**517**	**267**	**784**	**214**	**99**	**313**	**731**	**366**	**1097**

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	Value Addition and Preservation of Seasonal Fruits and Vegetables	1	0	19	19	0	5	5	0	24	24
Others (pl. specify)											
Total		**1**	**0**	**19**	**19**	**0**	**5**	**5**	**0**	**24**	**24**
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		1	0	19	19	0	5	5	0	24	24

VII. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
Advisory Services	34	579	5	**584**
Diagnostic visits	18	142	3	**145**
Field Day	11	167	8	**175**
Group discussions	9	154	9	**163**
Kisan Ghosthi	34	1286	61	**1347**
Film Show	2	45	2	**47**
Self -help groups	13	184	7	**191**
Kisan Mela	1	355	12	**367**
Exhibition	12	5702	28	**5730**
Scientists' visit to farmers field	22	159	6	**165**
Plant/animal health camps	1	35	3	**38**
Farm Science Club				
Ex-trainees Sammelan				
Farmers' seminar/workshop				
Method Demonstrations	5	86	6	**92**
Celebration of important days	8	743	26	**769**
Special day celebration	7	589	23	**612**
Exposure visits	6	650	3	**653**
Others (pl. specify)				
Live telecast of PM programme	4	201	2	**203**
Farmers visit to KVK	46	1479	55	**1534**
Plantation Programme	6	456	5	**461**
Total	**239**	**13012**	**264**	**13276**

Details of other extension programmes

Particulars	Number
Electronic Media (CD./DVD)	5
Extension Literature	2
News paper coverage	112
Popular articles	5
Radio Talks	6
TV Talks	0
Animal health amps (Number of animals treated)	1 (255)
Others (pl. specify)	
Total	**131 (255)**

Mobile Advisory Services

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weather	Marke-ting	Aware-ness	Other enterprise	Total
	Text only	64	06	53		25		148
	Voice only	-	-	-	-	-	-	
	Voice & Text both	-	-	-	-	-	-	
	Total Messages	64	06	53		25		148
	Total farmers Benefitted	**25852**	**986**	**6375**		**4370**		**37583**

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			
	Lectures organised			
	Exhibition			
	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						
	Paddy	SHUAT Dhan-1	FS	44.00	220000	-
	Wheat	DBW-187	FS-II	14.70	66077	25
Oilseeds						
	Mustard	Giriraj	FS-II	18.30	198738	250
Pulses						
	Lentil	IPL-321	FS-II	07.67	81738	4
	Chickpea	RVG-204	FS-I	43.49	449687	12
	Lentil	IPL-316	CS	136.6	1369005	845
	Chickpea	JG-36	CS	25.65	242008	64
Commercial crops						
Vegetables						
Flower crops						
Spices						
Fodder crop seeds						
Fiber crops						
Forest Species						
Others						

Total				**290.41**	**2627253**	**1200**

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	Kashi Uttam		9500		50
	Chilli	Kashi Anmol		6000		60
Fruits						
Ornamental plants						
Medicinal and Aromatic						
Plantation						
Spices						
Tuber						
Fodder crop saplings						
Forest Species						
Others						
Total				**15500**		**110**

Production of Bio-Products

Bio Products	Name of the bio-product	Quantity Kg	Value (Rs.)	No. of Farmers
Bio Fertilisers				
Bio-pesticide				
Bio-fungicide				
Bio Agents				
Others				
Total				

Table: Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers
Dairy animals				
Cows	Tharparkar	02 (1 female, 1 Male)	-	
Buffaloes	Murrah	01 (Female)	-	
Calves				
Others (Pl. specify)				
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		**03**		

X. DETAILS OF SOIL, WATER AND PLANT ANALYSIS

Samples	No. of Samples	No. of Farmers	No. of Villages	Amount realized (Rs.)
Soil	**252**	**252**	**1**	**0.25**
Water				
Plant				
Manure				
Others (pl.specify)				
Total				

XI. SCIENTIFIC ADVISORY COMMITTEE

Name of KVK	Number of SACs conducted	Date of SAC
Banda	01	28-12-2023

XII. NEWSLETTER/MAGAZINE

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

XIII. PUBLICATIONS

Category	Number
Books	1
Technical bulletins	3
Research Paper	3
Lead Papers	-
Book Chapters	2
Popular Articles	5
Newsletters	-
Technical reports	12
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

TITLE

Introduction

KVK intervention

Output

Outcome
Impact

KVK Case study-01

GT-06: Promising variety of Sesame for Bundelkhand region

Situation analysis:- Bundelkhand region well known for oilseed production. Among oilseed crop Sesame crop is occupied maximum area in Rabi seasons. Sesame is grown in 16036 ha area of Banda district however, the productivity of district Banda is very poor (3.70 q/ha). The productivity of Sesame crop can be increased by adopting HYV and improved technologies like use of Sulphur and line sowing.

Plan, Implement and Support:- Considering above issues KVK, Banda conducted CFLD programme in Banda district since 2017-18 to demonstrate different technologies on farmers field. During Kharif, 2024 Mr. Mahesh Dixit of Village Kanwara, Block- Badhokhar Khurd, Distt- Banda was selected for CFLD Sesame demonstration. HYV GT-06, Line sowing and application of Sulphur at the time of sowing was demonstrated on his field.

Output:- Mr. Mahesh Dixit adopted all demonstrated technologies effectively as suggested by KVK scientist. He produced 7.12q/ha of Sesame in the year 2024 which was 58.22 percent higher over the check yield of other farmers in the village. He got good price of his produce because of its quality on MSP (Rs. 9267/q) and got net income of Rs. 24280/ha with BCR of 4.42.

Outcome:- Farmers of nearby villagers were agreed with demonstrated technology specially variety. Mr. Mahesh Dixit is very happy with quality and production of Sesame. He is also satisfied with improvement in his income, livelihood and also set forth example for other farmers of the village.

Impact:- Many farmers of nearby villages are continuously interacting with him and getting advice on Sesame production. He is now becoming one of the progressive farmers of Banda District.

Field visit of KVK, Scientist during maturity stage

Field visit of KVK, Scientist during thresing

KVK Case study-02

Success through Scientific Vegetable Production

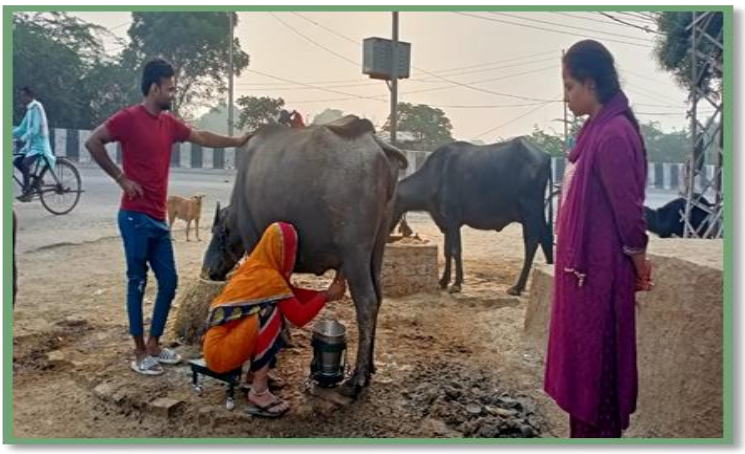
Situation analysis/ Problem statements:- Mrs. Ramrati aged 34 years is an energetic farm woman with a progressive mind set and indomitable spirit having 8 years of experience in farming from Darda- Kanwara village of Badokhar block of Banda district, U.P. She owns 4 acres of agricultural land. She mainly cultivates vegetables crops like pumpkin, bitter gourd, papaya, okra, cowpea, cabbage, cauliflower, carrot etc. during kharif and rabi season in 3 acres of land and vegetable in 2 acres of land. She also grows pulse crop like black gram and green gram in 1 acre of land. She also practices vermicomposting, preparation of farm yard manure (FYM), cattle rearing and goat rearing for supplementing family income.

Plan, Implement and Support: - She came in contact with KVK, Banda in 2021. Thereafter, through the hand holding support by the KVK Banda team she was exposed to improved technical knowledge and guidance on cultivation practices of vegetable crops, black gram, green gram and use of different women friendly ergonomically improved tools and equipments through training and demonstrations.

Output: - After adoption of women friendly New Agricultural Technologies, her farm income increased to a greater extent i.e., 30-35% with utilization of improved tools and equipments, quality seeds with improved package of practices, advanced technical knowhow and back stopping led to reduction of drudgery, improvement in women labour and their efficiency resulting in higher yield and production at her farm land. Apart from family consumption Mrs. Ramrati earns Rs.2,20,000/- of gross income per annum out of which she earns a profit of Rs. 1,18,000/-

Outcome:- Mrs. Ramrati with her dedication has keenness to exchange and share innovative technical knowledge availed from KVK Banda. Farm women from nearby villages of Darda- Kanwara have come forward and takeoff the innovative ideas from her for improving their production and productivity in their agricultural crops.

Impact: - She is truly a role model for other farm women in the locality. She has proven that the adoption of women friendly New Agricultural Technologies in farming will facilitate in maximizing the profit and the technical back stopping supported with guidance, mentorship and timely help about the latest trends in agriculture sector help in reaping benefits.



Demonstration of Revolving Stool

Field visit at Women Farmer's field

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 Renewable Energy Management	Lac Cultivator	200								
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

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

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						
3	112	4	116					21	270	832	463					

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	Dairy Unit	1	0.1				
2	Crop Production	1	0.6				
3	Orchard	1	0.2				
4	Vegetable Production	1	0.1				

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
100	**100**	**2**	**40**	**1**	**32**	**7**	**239**	**4**	**869**

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	Karan Vandana (DBW-187)	0.4	5
Millet	Finger millet			
	Pearlmillet			
	Sorghum			
Oilseed	Groundnut			

	Mustard			
Pulses	Lentil			
	Lathyras			
Vegetable	Cauliflower	Pusa Beta Kesari-1	0.4	5
Tuber	Sweet Potato			
Total				

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	0.00252	0.00252	0.00001	0.25	
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
12	4.0	189	54.10	16	1.0	6	16	481	7	672

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						
	Green Gram						
	Pigeon pea						
Total (Kharif)							
Rabi	Chick pea	RVG-204, JG-36		8	69.14	F/S	3
	Field pea						
	Lentil	IPL-316, IPL-321		12.5	144.27	C/S	7
Total (Rabi)				**20.5**	**213.41**		**10**

Summer	Black gram						
Total (Summer)							
Grand Total				**20.5**	**213.41**		**10**

12) Achievements under Swachhata Abhiyan Mission

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

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	Farm Food Krishi Samman Award 2024 by Delhi Press Magazine	Sri Vigyan Shukla	2024	17-10-2024
2	Appreciation Award by BUAT Banda	Dr. Manvendra Singh	2024	26-01-2024
3	Appreciation Award by District Administration, Banda	Dr. Shyam Singh, Dr. Pragya Ojha, Dr. Diksha Patel	2024	23-12-2024

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

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