PROFORMA FOR PREPARATION OF ANNUAL REPORT (Jan to December 2021)

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	67	967	563	1530
Rural youths	3	28	15	43
Extension functionaries	6	87	13	100
Sponsored Training	1	24	1	25
Vocational Training	-	-	-	-
Total	**77**	**1106**	**592**	**1698**

2. Frontline demonstrations

Enterprise	No. of Farmers	Area (ha)	Units/Animals
Oilseeds	363	138	-
Pulses	175	70	-
Cereals	45	18	-
Vegetables	33	3	-
Other crops	20	2	-
Hybrid crops	50	12	-
Total	**686**	**243**	
Livestock & Fisheries (goatry & poultry)	15	-	144
Other enterprises (kitchen garden and; stitching & tailoring)	123	-	123
Total	**138**	**-**	**267**
Grand Total	**824**	**247**	**267**

3. Technology Assessment & Refinement

Category	No. of Technology Assessed & Refined	No. of Trials	No. of Farmers
Technology Assessed			
Crops	11	41	41
Livestock	-	-	-
Various enterprises	2	54	54
Total	**13**	**95**	**95**
Technology Refined			
Crops	-	-	-
Livestock	-	-	-
Various enterprises	-	-	-
Total	-	-	
Grand Total	**13**	**95**	**95**

4. Extension Programmes

Category	No. of Programmes	Total Participants
Extension activities	562	9279

Other extension activities	70	-
Total	**632**	**9279**

5. Mobile Advisory Services

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weather	Marke-ting	Aware-ness	Other enterprise	Total
	Text only	48		12		4	6	**70**
	Voice only							
	Voice & Text both							
	Total Messages	**48**	**0**	**12**	**0**	**4**	**6**	**70**
	Total farmers Benefitted	**279**		**279**		**279**	**279**	**1116**

6. Seed & Planting Material Production

	Quintal/Number	Value Rs.
Seed (q)	507.6	3441983
Planting material (No.)	166633	40835
Bio-Products (kg)	5500	13000.00
Livestock Production (No.)	1578lts.milk, 5goat kids, 4 Poultry birds, 1 calf	73920.00
Fishery production (No.)	-	-

7. Soil, water & plant Analysis

Samples	No. of Beneficiaries	Value Rs.
Soil	534	-
Water		
Plant		
Total	**534**	**-**

8. HRD and Publications

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

DETAIL REPORT OF APR-2021

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
Krishi Vigyan Kendra, Belatal, Mahoba - 210 423 (U.P.)	Office 9451333378	FAX	kvkmahoba@gmail.com

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

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

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Mukesh Chand	Belatal, Mahoba	9451333378	kvkmahoba@gmail.com

1.4. Year of sanction: 2004

1.5. Staff Position (as on 31st December, 2021)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Subject	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/ OBC/ Others)	Mobile no.	Age	Email id
1	Programme Coordinator	Dr. Mukesh Chand	Sr. Scientist cum Head	Soil Conservation	37400-67000 +9000	147900	10.12.2017	Permanent	Gen .	9451333378	54	kvkmahoba@gmail.com
2	Subject Matter Specialist	Dr. Maheshwaree Prasad Singh	SMS	Agri. Extension	15600-39100 +5400	84900	13.12.2017	Permanent	Gen .	9451367358	45	maheshweeari@gmail.com
3	Subject Matter Specialist	Dr Amrita Singh	SMS	Home Science	15600-39100 +5400	63100	16.12.2017	Permanent	Gen	9457695428	36	amritalko@gmail.com
4	Subject Matter Specialist	Dr Brijesh Pandey	SMS	Horticulture	15600-39100 +5400	67000	23.01.2018	Permanent	Gen	9430955950	36	mr.brijeshpandey@gmail.com
5	Subject Matter Specialist	Dr. Gaurav	SMS	Agronomy	15600-39100 +5400	61300	15.02.2018	Permanent	SC	9415295756	29	gauraviasbhu@gmail.com
6	Subject Matter Specialist	Vacant	SMS	Animal Husbandry	15600-39100 +5400							
7	Subject Matter Specialist	Vacant	SMS	Plant Protection	15600-39100 +5400							
8	Programme Assistant	Mr Gufran Ahmad	Prog.Asst. (FM/LT)	-	9300-34800 +4200	38700	26.12.2017	Permanent	OBC	9870942077	24	gufranggg72@gmail.com
9	Computer Programmer	Mrs. Alka Mishra	Prog.Asst. (Comp.)	-	9300-34800 +4200	39900	14.12.2017	Permanent	Gen	8795870309	28	mishra.alka4@gmail.com
10	Farm Manager	Vacant			9300-34800 +4200							
11	Accountant / Superintendent	Mr. Saurabh Shukla	Assistant	-	9300-34800 +4200	39900	11.12.2017	Permanent	Gen	9005339706	24	shuklasaurabh.banda94@gmail.com
12	Stenographer	Mr. Ashish Dixit	Stenographer	-	5200-20200 +2400	28700	11.12.2017	Permanent	Gen	9918238531	34	dashish455@gmail.com
13	Driver	Mr. Rahul Mishra	Driver		5200-20200 +2000	24500	11.12.2017	Permanent	Gen	9628278754	31	rahulmishra888@gmail.com
14	Driver	Mr. Shriram Yadav	Driver		5200-20200 +2000	24500	11.12.2017	Permanent	OBC	7398520921	32	
15	Supporting staff	Vacant	Attendant		5200-20200 +1800							
16	Supporting staff	Vacant	Attendant		5200-20200 +1800							

1.6. Total land with KVK (in ha) : 11ha

S. No.	Item	Area (ha)
1	Under Buildings	1.0
2.	Under Demonstration Units	0.5
3.	Under Crops	7.0
4.	Orchard/Agro-forestry	1.5
5.	Others (specify)	1.0

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (lakh Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	Completed	500	98.35	2009		
2.	Farmers Hostel	ICAR	5th March, 2005					Completed
3.	Staff Quarters (6)	ICAR	Not completed					Not completed
4.	Demonstration Units (2)	ICAR	2010					Completed
5.	Fencing	ICAR	2019					Completed
6.	Rain Water harvesting system	ICAR/ MNAREGA	2019					Not completed
7.	Threshing floor	ICAR	Not completed					Not completed
8.	Farm boundary wall	RKVY	Incomplete		100			Incomplete
9.	Seed Hub	ICAR	2019		150 l			completed
10.	IFS	ICAR	2019		6.00			completed

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Marshal Jeep	2001	-	125000	Very old, need to be replaced
Tractor	2004	-	-	Very old, need to be replaced
Motor Cycle	2010	-	4000	Working condition

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Photo Copy Machine	2001	62000.00	Unusable
Computer + Printer	13.08.2007	42838.00	Unusable
Over Head Projector	2001	13000.00	Not in use
Almirah (6)	2001	18210.00	Good
Other :			
Tractor Trolley (one)	2001	40000.00	Usable
Cultivator (one)	2001	9000.00	Unusable
Labeler (one)	2001	6000.00	Good
Zero till machine (one)	2001	24000.00	Unusable
Harrow (one)	2001	12500.00	Usable
Computer Table (Two)	2001	11960.00	Reliable
Printer Table (one)	2001	2445.00	Reliable
Computer Chair with Arm (Two)	2001	4776.00	Unusable
Computer Chair Without Arm (Two)	2001	3400.00	Unusable

Chief Executive Table (one)	2001	3820.00	Reliable
Executive Table (Eight)	2001	20384.00	Reliable
Official Chair (Five)	2001	2990.00	Reliable
Other Chair (Seventy Four)	2001	24790.00	Reliable
Soil testing kit (Mini lab)	31.3.2017		Good
Revolving Chair (1)	12.06.2018		Good
Visitor Chair (10)	12.06.2018		Good
K-Yan (Small LCD projector)	30.06.2018		Good
600 VA UPS	30.06.2018		Good
1TB External HDD	30.06.2018		Good
Inverter 900 VA	30.06.2018		Good
Inverter Battery 180 AH	30.06.2018		Good
TV LED 48 Inch	30.06.2018		Good
Solar pump 2HP	18.4.2018		Good
Solar Street light (6)	18.4.2018		Good
Solar Street light (5)	30.8.2018		Good
Office table (Zuari-8)	30.8.2018		Good
Visitor chairs (12)	30.8.2018		Good
Office chairs revolving (6)	30.8.2018		Good
Seed drill (1)	20.7.2019		Good
Raised bed planter	March, 2021		Good
Laptop (2)	March, 2019, March,2021		Good

1.8. A). Details SAC meeting* conducted in the year 2021

Sl.No.	Date	Name and Designation of Participants	Salient Recommendations	Action taken
1.	10.10.2021	1. Dr. Sadhana Pandey, Principal Scientist ICAR-ATARI, Kanpur. 2. Dr. Anand Singh, Associate Director, Extension, BUAT, Banda. 3. Dr. Mukesh Chand, Head, KVK, Mahoba 4. Dr. S.B. Singh, Assistant Professor (Agronomy) cum In-charge RARS, Belatal. 5. Dr. Ranvijay Singh, Veterinary Officer, Jaitpur 6. Mr. Brij Bhushan, Inspector (Fisheries), Mahoba 7. Mr. Atulendra Vikram Singh, SMS, Department of Agriculture, Mahoba 8. Mr. Bhagwat Saran Sullere, Progressive Farmer, Mangrol, Mahoba 9. Mrs. Soma Devi, Krishi Sakhi, Budhora, Mahoba 10. Mr. Dwajpal Singh Progressive Farmer, Dadri, Mahoba 11. Mr. Rajendra Tripathi, President, Jaitpur Javik Kisan Utapadak Sangathan 12. Mr. Ram Prakash Rajpoot, Progressive Farmer, Koniya, Mahoba 13. Mr. Sunil Aggarwal, Progressive Farmer, Jaitpur, Mahoba 14. Dr. Brijesh Pandey, SMS, Horticulture, KVK, Mahoba. 15. Dr. Amrita Singh, SMS, Home Science, KVK, Mahoba 16. Dr. Gaurav, SMS, Agronomy,	1. To include farmer's feedback in result of OFT/FLD. 2. Promotion of improved varieties of fodder crops. 3. Promotion of biofortified varieties to combat malnutrition problem. 4. Inclusion of data of self life in OFT on varietal trial of fruits and vegetable crops. Varietal OFT on tomato has to be taken up for one more year. 5. Addition of medicinal and aromatic crops in crop cafeteria. 6. To promote the cultivation and value addition of medicinal plants and seed spices. 7. To promote millets and their value added products. 8. To promote kitchen garden along with other technologies for establishing nutri-smart village and climate resilient technologies.	1. Action has to be taken and included in the next year action plan. 2. … 3. …. 4. … 5. … 6. … 7. … 8. … …

		KVK, Mahoba. 17. Mr. Gufran Ahmad, farm Manager, KVK, Mahoba. 18. Mr. Chandrashekhar, farm Manager, KVK, Mahoba. 19. Mrs. Alka Mishra, Prog. Astt. Comp. Prog, KVK, Mahoba 20. Mr. Saurabh Shukla, Assistant, KVK, Mahoba. 21. Mr. Ashish Dixit, Stenographer, KVK, Mahoba		

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, 2020)

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

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

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

S. No	Agro-climatic Zone	Characteristics
1	Zone VI	The most covered area with Vindhyan hills and is also a part of Central India. Net cultivated land 236000 ha Cropping intensity 111.8 per cent, Forest 15.4 per cent

2.3 Soil types

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

2.4. Area, Production and Productivity of major crops cultivated in the district 2020-21

S. No	Crop	Area (ha)	Production (Qtl)	Productivity (Qtl /ha)
1	Wheat	71779	194394	27.08
2	Barley	4980	9178	18.43
3	Gram	64524	65944	10.22
4	Pea	29223	41760	14.29
5	Lentil	29135	20074	6.89
6	Mustard /Rai	6475	4384	6.77
7	Linseed	7048	3651	5.18
8	Pigeon pea	3591	2230	6.21
9	Sesame	29994	10318	3.44
10	Groundnut	6862	9751	14.21
11	Black gram	41829	9537	2.28
12	Green Gram	7841	1520	1.94
13	Paddy	243	598	24.61

2.5. Weather data

Month	Rainfall (mm)	Temperature ^{0} C		Relative Humidity (%)
		Maximum	Minimum	
January	0.00	20.5	6.2	73.4
February	3.07	34.1	17.8	61.2
March	0.53	36.6	19.8	50.1
April	0.00	37.4	21.3	34.0
May	16.60	43.2	26.3	40.3
June	41.60	36.7	27.2	52.9
July	126.93	32.9	26.2	76.0
August	222.27	20.5	24.2	82.9
September	57.60	33.2	22.3	82.5
October				
November				
December				
Total				

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

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

Category	Area	Production	Productivity
Fish			
Marine			
Inland			
Prawn			
Scampi			
Shrimp			

2.7 Details of Operational area / Villages (31st December, 2021)

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

2.8 Priority/thrust areas

Crop/Enterprise	Thrust area
Pulses, oilseed, and Vegetable crops	Rain water management using watershed approach especially for high yielding, short duration and drought tolerant varieties of pulses, oilseeds, cereals and vegetables.
Ber	Need to rejuvenate of old orchard and budding of old stalks
Beal	Need to introduce new varieties
Soil health	Popularization of Vermi and NADEP compost to nourish the soil and as part of integrated plant nutrient management, awareness to soil testing and soil health.
Self-employment	Formation of self-help groups (SHGs) of farmers and farm women, value addition of the products and FPO.

* An example for guidance only

2.9 Intervention/ Programmes for the doubling the farmers income –(Jan 2021-Dec. 2021) **Demonstrations**

Before Interventions	**Main crop Yield(q/ha)**	**Inter crop Yield(q/ha)**	**Equivalent Yield(q/ha)**	**Cost of cultivation(Rs/ha)***	**Net income(Rs/ha)**	**B.C: Ratio**	**Remark if any**
Intercropping System(Kharif-Rabi-Zaid) -Livestock etc.							

Discussion: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) *

After Interventions	**Main crop Yield(q/ha)**	**Inter crop Yield(q/ha)**	**Equivalent yield(q/ha)**	**Cost of cultivation(Rs/ha)***	**Net income(Rs/ha)**	**B.C: Ratio**	**Remark if any**
Intercropping System(Kharif-Rabi-Zaid) -Livestock etc.							

Discussion: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) *

Before Interventions	**Main crop Yield(q/ha)**	**Inter crop Yield(q/ha)**	**Equivalent yield(q/ha)**	**Cost of cultivation(Rs/ha)***	**Net income(Rs/ha)**	**B.C: Ratio**	**Remark if any**
Mono Cropping System(Kharif-Rabi-Zaid) -Livestock etc.							
Chickpea	12.4	-	-	25200	38346	2.5	
Field pea	8.5	-	-	20825	17603	1.8	
Wheat	20.1	-	-	22932	25207	2.1	
Barley	21.1	-	-	21450	21112	1.9	

Discussion: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) *

After Interventions	**Main crop Yield(q/ha)**	**Inter crop Yield(q/ha)**	**Equivalent yield(q/ha)**	**Cost of cultivation(Rs/ha)***	**Net income(Rs/ha)**	**B.C: Ratio**	**Remark if any**
Mono Cropping System(Kharif-Rabi-Zaid) -Livestock etc.							
Chickpea	19.0	-	-	25750	71150	3.7	
Field Pea	13.2	-	-	22125	37517	2.7	
Mustard	13.6	-	-	19580	43660	3.2	
Wheat	27.49	-	-	23624	39345	2.6	
Barley	24.7	-	-	22624	27379	2.2	

Discussion: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) *

Before Interventions	**Main crop Yield(q/ha)**	**Inter crop Yield(q/ha)**	**Equivalent yield(q/ha)**	**Cost of cultivation(Rs/ha)***	**Net income(Rs/ha)**	**B.C: Ratio**	**Remark if any**
Relay Cropping System(Kharif-Rabi-Zaid) -Livestock etc.							

Discussion: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) *

After Interventions	**Main crop Yield(q/ha)**	**Inter crop Yield(q/ha)**	**Equivalent yield(q/ha)**	**Cost of cultivation(Rs/ha)***	**Net income(Rs/ha)**	**B.C: Ratio**	**Remark if any**
Relay Cropping System(Kharif-Rabi-Zaid)-Livestock etc.							

Discussion: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) *

Before Interventions	**Main crop Yield(q/ha)**	**Inter crop Yield(q/ha)**	**Equivalent yield(q/ha)**	**Cost of cultivation(Rs/ha)***	**Net income(Rs/ha)**	**B.C: Ratio**	**Remark if any**
Mixed Farming System(Kharif-Rabi-Zaid)-Livestock etc.							

Discussion: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) *

After Interventions	**Main crop Yield(q/ha)**	**Inter crop Yield(q/ha)**	**Equivalent yield(q/ha)**	**Cost of cultivation(Rs/ha)***	**Net income(Rs/ha)**	**B.C: Ratio**	**Remark if any**
Mixed Farming System(Kharif-Rabi-Zaid) -Livestock etc.							

Discussion: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) *

Before Interventions	**Main crop Yield(q/ha)**	**Inter crop Yield(q/ha)**	**Equivalent yield(q/ha)**	**Cost of cultivation(Rs/ha)***	**Net income(Rs/ha)**	**B.C: Ratio**	**Remark if any**
IFS System(Kharif-Rabi-Zaid) - Livestock etc.							
Black gram	6.8	-	-	19975	22865	2.1	
Chickpea	12.4	-	-	25200	38346	2.5	
Field pea	8.5	-	-	20825	17603	1.8	

Buffalo	750 lts./ annum			30000	12000	1.6	

Discussion: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) *

After Interventions	**Main crop Yield(q/ha)**	**Inter crop Yield(q/ha)**	**Equivalent yield(q/ha)**	**Cost of cultivation(Rs/ha)***	**Net income(Rs/ha)**	**B.C: Ratio**	**Remark if any**
IFS System(Kharif-Rabi-Zaid) – Livestock etc.							
Black gram	9.37	-	--	20455.00	38573.40	2.80	
Chickpea	19.0	-	-	25750.00	71150.00	3.70	
Field Pea	13.2	-	-	22125.00	37517.00	2.70	
Mustard	13.6	-	-	19580.00	43660.00	3.20	
Kharif Onion	204.20	-	408.40	117000.00	291400.00	3.49	
Brinjal-summer	312.50	-	312.5	103000.00	209500.00	3.03	
Tomato- Arka Samrat	513.20	-	513.20	110400.00	146200.00	2.32	
Buffalo	900 lts./annum	-	900 lts./annum	40500.00	21000.00	2.13	

Discussion: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) *

Note- Same format may be used for OFT.

3. TECHNICAL ACHIEVEMENTS

3.A. Details of target and achievements of mandatory activities by KVK during 2021

OFT (Technology Assessment and Refinement)				FLD (Oilseeds, Pulses, Cotton, Other Crops/Enterprises)			
1				2			
Number of OFTs		Total no. of Trials		Area in ha		Number of Farmers	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
10	13	44	95	138.5	238	485	760

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	101	68	2525	1555	220	632	7218	9279
Rural youth	6	3	90	43				
Extn. Functionaries	7	6	140	100				
Total	**114**	**77**	**2755**	**1698**	**220**	**632**	**7218**	**9279**

Seed Production (Qtl.)			Planting material (Nos.)		
5			6		
Target	Achievement	Distributed to no. of farmers	Target	Achievement	Distributed to no. of farmers
1000	507.6	1265	20000	166633	451

I.A TECHNOLOGY ASSESSMENT

Summary of technologies assessed under various crops by KVKs

Thematic areas	Crop	Name of the technology assessed	No. of trials	No. of farmers
Integrated Nutrient Management	Brinjal	To assess the effect of sea weed extract on the yield of brinjal	2	5
	Tomato	Assessment of INM module on yield of tomato	2	5
Varietal Evaluation	Tomato	Evaluation of tomato varieties resistance to leaf curl virus and wilt during *Kharif* season	3	9
Integrated Pest Management				
Integrated Crop Management				
Integrated Disease Management	Chickpea	Management of wilt in chickpea	1	4
Small Scale Income Generation Enterprises				
Weed Management	Green gram	Effect of weed management on weed infestation and yield of moong	1	7
Resource Conservation Technology	chickpea	Effect of hydrogel on yield and growth of chickpea	1	4
Farm Machineries				
Integrated Farming System				
Seed / Plant production				
Post Harvest Technology / Value addition	Weaning food	Preparation of low cost nutritious weaning food for infants in Bundelkhand region	1	4
	Multi grain atta	Assessment of dietary support (Multigrain *atta*) on the health of Tribal Women (25-45 years)	1	50
Drudgery Reduction	Chickpea	Assessment of weeding tools for drudgery among farm women	1	7
Storage Technique				
Others (Pl. specify)				
Total			**13**	**95**

Summary of technologies assessed under livestock by KVKs

Thematic areas	Name of the livestock enterprise	Name of the technology assessed	No. of trials	No. of farmers
Disease Management				
Evaluation of Breeds				
Feed and Fodder management				
Nutrition Management				
Production and Management				
Others (Pl. specify)				
Total				

Summary of technologies assessed under various enterprises by KVKs

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

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

I.B. TECHNOLOGY REFINEMENT

Summary of technologies refined under various crops by KVKs

Thematic areas	Crop	Name of the technology refined	No. of trials	No. of farmers
Integrated Nutrient Management				
Varietal Evaluation				
Integrated Pest Management				
Integrated Crop Management				
Integrated Disease Management				
Small Scale Income Generation Enterprises				
Weed Management				
Resource Conservation Technology				
Farm Machineries				
Integrated Farming System				
Seed / Plant production				
Value addition				
Drudgery Reduction				
Storage Technique				
Others (Pl. specify)				
Total				

Summary of technologies refined under various livestock by KVKs

Thematic areas	Name of the livestock enterprise	Name of the technology refined	No. of trials	No. of farmers
Disease Management				
Evaluation of Breeds				
Feed and Fodder management				
Nutrition Management				
Production and Management				
Others (Pl. specify)				
Total				

Summary of technologies refined under various enterprises by KVKs

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

Note: Suppose **IPM in paddy** is the technology refined 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.C. TECHNOLOGY ASSESSMENT AND REFINEMENT 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)

(The model for preparing the same is furnished below)

INTEGRATED NUTRIENT MANAGEMENT

OFT-1

Problem definition: To assess the effect of sea weed extract on the yield of brinjal.

Technology Assessed or Refined: Use of Sea weed extract

KVK, Mahoba conducted farm trial to assess the effect of sea weed extract on the yield of brinjal during Summer-2021. The tested technology i.e. use of sea weed extract which produced 16.60 per cent higher yield over farmers practice.

Results: Performance of sea weed extract in brinjal

Technology Option	*No. of trials*	*Fruit wt.(g)*	*Yield (t/ha)*	*% yield increase*	*Net Returns (Rs. in lakh./ha)*	*BCR*
Farmers Practice	*05*	*77.5*	*268*	-	*171000.00*	*2.76*
Recommended Practice (3 spray @ 2.5ml/lt. water at 30days interval started from bud initiation stage)		*98.8*	*312.5*	*16.60*	*209500.00*	*3.03*

OFT-2

Problem definition: *Assessment of INM module on yield of tomato.*

Technology Assessed or Refined: use of Arka Microbial Consortia (AMC) with RDF

A on-farm trial was conducted to assess the effect of AMC on the yield of tomato during Rabi,2020-21. Plots treated with RDF+AMC produced highest marketable yield (540.72qtls./ha) followed by plots where RDF was applied (49572qtls./ha).Whereas minimum yield (406.9172qtls./ha) was recorded from the control plots (Farmer's practice).

Results: Performance of INM module

Technology Option	***No. of trials***	***Fruit wt.(g)***	***Yield (t/ha)***	***% yield increase***	***Net Returns* (Rs. in lakh./ha)***	***BCR***
Farmers Practice (NPK-90:45:0)	*05*	*68.5*	*406.91*	*-*	*99155.00*	*1.95*
RDF- NPK-160:100:60		*81.2*	*495*	*21.65*	*136800.00*	*2.24*
RDF+ AMC (Root treatment and soil drenching)		*87.3*	*540.72*	*32.88*	*157860.00*	*2.40*

*******Low return was obtained due to COVID restrictions on markets*

VARIETAL EVALUATION

Problem definition: *Evaluation of tomato varieties resistance to leaf curl virus and wilt during Kharif season.*

Technology Assessed: Tomato varieries - Arka Samrat, A. Rakshak, A. Abhed

A farm trial was conducted by KVK, Mahoba during Kharif, 2021 to assess the performance of tomato varieties resistance to leaf curl virus and wilt during Kharif season. Tomato variety Arka Abhed produced highest marketable yield (318.4qtls./ha) followed by Arka Samrat (284.50qtls./ha) While the variety Arka Rakshak produced lowest yield of tomato i.e.246.40 q /ha .

Results: Performance of INM module

Technology Option	***No. of trials***	***Fruit wt.(g)***	***Yield (t/ha)***	***Net Returns (Rs. in lakh./ha)***	***BCR***
Tomato Arka Samrat	*07*	*76.40*	*284.50*	*240450.00*	*2.29*
Tomato Arka Rakshak		*82.10*	*246.40*	*183300.00*	*1.98*
Tomato Arka Abhed		*77.50*	*318.40*	*291300.00*	*2.56*

RESOURCE CONSERVATION

Problem definition: Effect of hydrogel on yield and growth of chickpea.

Technology Assessed : Applied @5kg/ha hydrogel

An On-farm trial was conducted to assess the effect of hydrogel on the growth and yield of chickpea. The treatment T2, the application of hydrodel @5kg/ha was found most effective in term of chickpea yield (19.8q/ha).

Results : Performance of hydrogel on chickpea

Technology Option	***No. of trials***	***No of pods/plant***	***Yield (q/ha)***	***Net Returns (Rs.)***	***BC Ratio***	***Percent Increase***
T1 Farmers Practice (No use of moisture conservation practices)	*04*	13.2	16.1	54110	2.9	13.04
T2 (Recommended Practice)Hydrogel@5kg/ha		16.7	18.2	64820	3.3	

Weed management

Problem definition: *Effect of weed management practices on weed management and yield of green gram .*
Technology Assessed or Refined (as the case may be: Deep summer ploughing of field followed by application of Emazethapyr 100gram a.i./ha at 20 DAS

KVK, Mahoba was conducted on-farm trial to assess the effect of weed management practices on yield of green gram. In the treatment of deep summer ploughing followed by application of Emazethapyr 100gram a.i./ha at 20 DAS was recorded less weed infestation and obtained more yield.

Technology Option	***No. of trials***	***No. of grassy weed /m²***	***No. of Broad leaf weed /m²***	***Total No. of weed /m²***	***No. of Pods /plant***	***Yield (q/ha)***	***Net return (Rs.)***	***B:C***
T_1 – Farmer practice – only use of Emazethapyr weedicide	*7*	54.7	11.1	*140.8*	*9.6*	*5.1*	*17247*	*1.8*
T_2 – After deep summer ploughing + Emazethapyr 100gram a.i./ha at 20 DAS		15.4	10.21	*53.86*	*14.5*	*7.4*	*32865*	*2.5*

INTEGRATED DISEASE MANAGEMENT

Problem definition: *Management of wilt in chickpea*

Technology Assessed or Refined (as the case may be): *Deep summer ploughing followed by seed treatment with Carboxin+Thiram 2g/Kg seed+soil application of Trichoderma viride @ 4kg/ha at the time of sowing.*

To assess the effect of integrated disease management practices on the management of wilt in chickpea crop A farm trial was conducted during Rabi 2020-21. Treatment T2 was found very effective in the management of wilt disease and recorded 56.62 per cent yield enhancement in comparison to farmer's practice.

Technology Option	***No. of trials***	***Yield (q/ha)***	***Net return (Rs.)***	***B:C***
T_1 – Farmer practice – (no use of bio-pesticide)	*4*	*13.6*	*45196*	*2.9*
T_2 – *Deep summer ploughing followed by seed treatment with Carboxin+Thiram 2g/Kg seed+soil application of Trichoderma viride @ 4kg/ha at the time of sowing.*		*21.3*	*82275*	*4.2*

CHILD CARE/VALUE ADDITION

Problem definition: *Preparation of low cost nutritious weaning food for infants in Bundelkhand region*

Technology Assessed or Refined : *weaning food for 6-12 month infants*

KVK, Mahoba in Uttar Pradesh conducted on-farm trial on preparation of low cost nutritious weaning food for infants in Bundelkhand region. The prepared weaning food (wheat-55 gm + Bengal Gram -20 gm + linseed-05 gm + potato powder-20 gm) was appreciated by the mothers and found effective nutritious food in growth of infants as gain in weight was found 4.5 kg and 7.8 cm in height.

Table Effect of prepared weaning food on body growth of infants after 06 moth of use

Technology Option	***No.of trials***	***Body weight gain (kg)***	***Body height gain (cm)***	***Cost of weaning food (Rs./100g)***	***Sensory parameter score (over all acceptability)***
T_1 - Traditional practice – milk feeding	*4*	*3.25*	*6*	--	-
T_2 - Prepared weaning food (wheat-55gm + Bengal Gram -20 gm +linseed-05gm + potato powder-20gm) + milk (For six months)		*4.5*	*7.8*	*50*	*9*

DRUDGERY REDUCTION

Problem definition: *assessment of weeding tools for drudgery reduction among farm women*

Technology Assessed or Refined: *weeding tool: Bicycle weeder*

An on farm trial was conducted by KVK, Mahoba to assess the performance of weeding tool for drudgery reduction among farm women of district. Bicycle weeder reduced the energy expenditure from 10.72 to 7.06 kj/min. and heart rate upto 12 beats/min. Average of percent increase in efficiency was 46.43 and Average of percent reduction in drudgery was 34.14 with use of bicycle weeder.

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

Technology Option	***No.of trials***	***Average of output (m^2/hr)***	***Average of % increase in efficiency***	***Average WHR (beats/min.)***	***Est. energy expenditure (kj/min.)***	***Average of % reduction in drudgery***	***Cardiac cost of work***
T_1 – Farmers practice (manual weeding by use of *khurpi*)	*7*	*52.5*	-	*122.2*	*10.72*	-	*46.2*
T_2 – Bicycle weeder		*98*	*46.43*	*99.3*	*7.06*	*34.14*	*23.3*

VALUE ADDITION

Problem definition: *Assessment of dietary support (Multigrain atta) on the health of Tribal Women (25-45 years)*

Technology Assessed or Refined: *Dietary support (Multigrain Atta)*

KVK, Mahoba conducted on-farm trial on Assessment of dietary support (Multigrain atta) on the health of Tribal Women (25-45 years). Tribal women were only using wheat flour and not consuming pulses in their diet which cause malnutrition among them. The use of multigrain atta in daily diet for 06 months increases weight upto 7 kgs and Hb level 1.5 gm/dl.

Table Effect of dietary support (Multigrain atta) on the health of Tribal Women (25-45 years)

Technology Option	**No. of trials**	**Average Hb level (g/dl)**		**Average Height (cm)**	**Average Weight (kg)**	**BMI**
		Pre blood test (Prevailing practice)	**Post blood test**			
Farmers practice (Wheat Flour)	50*	9.26	10.8	161.5	51	19.9
Value addition: **Multigrain atta** (Wheat-70 gm + Gram -13 gm + Barley – 13 gm + Linseed-02 gm + Dry Fenugreek leaves 01 + Fennel seed powder-01 gm)		9.25	11.3	161.5	58	22.6

*Note: analysis was done only for randomly selected 20 demos

II. FRONTLINE DEMONSTRATION

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

List of technologies demonstrated during previous year and popularized during 2020-21 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	Field pea	Crop improvement	Improved variety IPFD- 10-12	Cluster demonstration on ICM	55	5000	8000
2	Chickpea	Crop improvement	Improved variety JG 14, RVG-202, RVG-203	Cluster demonstration on ICM	21	1500	235
3	Mustard	Crop improvement	Improved variety Giriraj	Cluster demonstration on ICM	105	1570	850
4	Wheat	Crop improvement	Improved variety Raj.-4120, K-1317	Cluster demonstration on ICM	15	152	65
5	Kharif onion	Crop introduction	Improved variety L 883	Cluster demonstration with proper training and subsidized input support	12	85	37
6	Tomato	Crop improvement	Hyb. Arka Samrat	Demonstration under NHM by subsidized input support especially seed	11	60	4

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

b. Details of FLDs implemented during **2021** (Information is to be furnished in the following **three tables** for **each category** i.e. **cereals, horticultural crops, oilseeds, pulses, cotton and commercial crops**.)

A. Oilseed 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.	Groundnut	Seed treatment	Seed treatment	*Kharif* 2021	10	10	05	20	25	
2.	Sesame	ICM/Varietal evaluation	RT -351	*Kharif* 2021	10	10	0	25	25	
3	Mustard	ICM/Varietal evaluation	ICM/ Giriraj	*Rabi*, 2020-21	115	115	34	254	288	
4	Sunflower	ICM/Varietal evaluation	KSH-7032	*Zaid, 2021*	10	10	01	24	25	

B. Pulse 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.	Pigeon pea	ICM/Varietal evaluation	Improved Variety /IPA-203	*Kharif*, 2021	10	10	06	19	25	
2.	Chick pea	ICM/Varietal evaluation	Improved Variety/RVG-202	*Rabi* 2020	10	10	02	21	25	
3.	Field pea	ICM/Varietal evaluation	Improved Variety/Aman,	*Rabi* 2020	10	10	02	23	25	
4.	Lentil	ICM/Varietal evaluation	Improved Variety IPL 316	*Rabi* 2020	10	10	00	25	25	

C. Other than Oilseed and Pulses

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	Varietal evaluation	K1317, DBW-107	*Rabi*, 2020-21	10	10	2	23	25	
2.	Barley	Varietal evaluation	BHS-400	*Rabi*, 2020-21	10	10.40	3	26	29	
3.	Fodder	Fodder cultivation	Oat –Kent, Berseem BB3	*Rabi*, 2020-21	2	2	01	09	10	
4.	Tomato	Varietal evaluation	F1 Hyb. Arka Samrat	*Rabi 2020-21*	2	2.0	02	23	25	
5.	Onion	Varietal evaluation	L-883	*Kharif,2020*	1	1.0	0	08	08	
6.	Kitchen Garden	Nutrition garden	Kharif, Rabi & Summer Vegetables	Kharif, Rabi & Summer, 2020-21	0.80	1.3	06	59	65	

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
Sesame	*Kharif*, 2021	Rainfed	Padwa and Kabar	Low	Low	Medium	Chickpea	05.07.2021-15.07. 2021	22.09.2021 – 29.09.2021	356	15
Mustard	*Rabi* , 2021	Rainfed/ Irrigated	Padwa, Mar and Kabar	M	Low	Medium	Urd	03.10. 2020-15.10. 2020	24-2-2021-28-02-2021	374	17
Pigeon pea	*Kharif*, 2021	Rainfed	Padwa, Mar and Kabar	Low	Low	Medium	Mustard	02.07. 2021-10.07. 2021		374	17

Chick pea	*Rabi*, 2020-21	Rainfed/ Irrigated	Mar and Kabar	Low	Low	Medium	Sesame	01.11. 2020-10.11. 2020	24-2-2021-28-02-2021	374	17
Field pea	*Rabi*, 2020-21	Rainfed/ Irrigated	Mar and Kabar	Medium	Low	Medium	Urd	01.11. 2020-10.11. 2020	24-2-2021-28-02-2021	374	17
Lentil	*Rabi*, 2020-21	Rainfed	Mar and Kabar	Low	Medium	Medium	Urd	01.11. 2020-10.11. 2020	24-2-2021-28-02-2021	374	17
Wheat	*Rabi*, 2020-21	Irrigated	Padwa, Mar and Kabar	High	Medium	Medium	Sesame	15.11.2020-25.11.2020	20-3-2021-18-04-2021	374	17
Barley	*Rabi*, 2020-21	Irrigated	Mar and Kabar	Low	Low	Medium	Sesame	25.10.2020-05.11.2020	08-3-2021-28-03-2021	374	17
Fodder	*Rabi*, 2020-21	Irrigated	Padwa Mar and Kabar	Low	Low	High	Chickpea	18.10.2020_ 23.10.2020	Multi cutting	374	17
Tomato	*Rabi 2020-21*	Irrigated	Padwa, Mar and Kabar	Low	Low	High	Field Pea	08.11.2020-25.11.2020	20.01.2021-30.04.2021	374	17
Kharif Onion	*Kharif, 2020*	Rainfed	Padwa, Mar and Kabar	Low	Low	Medium	Chickpea	15.08.2020-30.08.2020	05.01.2021-20.01.2021	374	17
Kitchen Garden	Kharif, Rabi & Summer	Irrigated	Padwa, Mar and Kabar	Low	Low	Medium	Sesame	June, October, February	Round the year	374	17

Technical Feedback on the demonstrated technologies

S. No	Feed Back
1. Chickpea	Demonstrated variety JG-14 bears more number of pods per plant and recorded more yield over local Radhey variety.
2. Field Pea	Demonstrated variety Aman bears more number of pods and yield over Rachna variety.
3. Lentil	Demonstrated variety IPL-316 bears more number of pods and yield over farmers practiced variety Mallika.
4. Mustard	Demonstrated variety Giriraj bears more number of branches and siliqua and yield over farmers practice variety Urvashi.
5. Wheat	Demonstrated variety Raj -4120 bears more yield over farmers practice variety WH-147.
6. Barley	Demonstrated variety BHS-400 bears more yield over farmers practice variety.
7. Summer Moong	Demonstrated variety Sikha bears more number of pods and yield over traditional variety Samrat.
8. Sunflower	Demonstrated Hybrid KSH 7032 bears more number of pods and yield
9. Onion L883	Variety is suitable for cultivation in *Kharif* season with good bulb size as well as yield
10. Tomato Arka Samrat	Tomato Arka Samrat perform very well in the district with less incidence of early blight, good yield as well as self life.
11. Kitchen garden	Round the year availability of seasonal vegetables increased per capita consumption of beneficiaries family

Farmers' reactions on specific technologies

S. No	Feed Back
JG-14	Very good variety for cultivation gives high yield and net return
Aman	Good variety for district bears more number of pods and yield
IPL-316	Variety is suitable for cultivation gives good yield and net return
Giriraj	Very good variety for our District bears more number of branches and siliqua and yield
Raj -4120	Crop gives good yield and net return.
BHS-400	Variety is suitable for cultivation gives better yield and net return
Sikha	Good variety as compare to other give good net return
Onion L883	Kharif oinon crop gives very good net return but variety has poor keeping quality
Tomato Arka Rakshak	Very good variety for cultivation, long harvesting window with good fruit size, self life and yield
Kitchen garden	With increase availability of vegetables for daily use, consumption and interest has increased.

Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organized	Date	Number of participants	Remarks
1	Field days on Mustard, Chickpea, Field pea, Lentil, Barley and Wheat crops was organized	07	25/02/2021 03/03/2021 04/03/2021 11/06/2021 20/09/2021 21/09/2021 29/10/2021	197	
2	Farmers Training	03	29/06/2021 01/07/2021 16/10/2021	78	
3	Media coverage	06			
4	Training for extension functionaries	02	-	12	

Performance of Frontline demonstrations

Frontline demonstrations on oilseed crops

Crop	Thematic Area	technology demonstrated	Variety	No. of Farmers	Area (ha)	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
						Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
						High	Low	Average										
Groundnut	ICM	Seed treatment	GJG-09/ Kaushal	25	10	23.52	22.08	23.08	17.0	35.76	45040	128085.12	83045.12	2.84	44000	94350	50350	2.14
Sesmum	ICM	Improved Variety	RT-351	25	10	6.96	5.76	6.49	4.1	58.29	16750	47419.5	30670	2.83	15650	29958.7	14309	1.9
Mustard	Varietal	Improved Variety	Giriraj	288	115	15.60	13.40	14.8	12.47	18.68	19580	57986	36406	2.96	18300	36270	17970	1.98
Toria																		
Linseed																		
Sunflower	ICM	Hybrid	KHS-7032	25	10	13.37	10.73	12.8	0	100	22200	75880	53680	3.4	-	-	-	-
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

Frontline demonstration on pulse crops

Crop	Thematic Area	technology demonstrated	Variety	No. of Farmers	Area (ha)	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
						Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
						High	Low	Average										
Pigeon pea	ICM	Improved Variety	**IPA-203**	25	10	Result Awaited												
Blackgram	ICM	Improved Variety	**IPU2-43/MASS**	25	10	10.32	8.16	9.37	6.8	37.79	20455	59028	38573	2.8	19975	42840	22865	2.14
Green gram	ICM	Improved Variety	**IPM 2-3**	25	10	8.88	7.44	8.29	6.1	35.9	20576	60292	39716	2.9	19986	44377.5	24391.5	2.22
Zaid	ICM	Improved Variety	Shikha	25	10	10.49	7.13	9.44	6.9	36.81	21200	67942	46742	3.2	20576	49652	29076	2.41
Chickpea	ICM	Improved Variety	RVG - 203	25	10	19.8	17.2	18.3	12.4	47	26750	93432	66682	3.49	25200	63546	38346	2.52
Field pea	ICM	Improved Variety	Aman	25	10	13.68	10.32	12.63	8.5	48.58	22125	570587	34962	2.85	20825	38428	17603	1.85
Lentil	ICM	Improved Variety	IPL 316	25	10	13.92	8.16	9.06	7.1	27.6	21825	47325	25511	2.17	20432	37069	16637	1.81
Horse gram																		

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

FLD on Other crops

Category & Crop	Thematic Area	Name of the technology	No. of Farmers	Area (ha)	Yield (q/ha)				% Change in Yield	Other Parameters		Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
					Demo			Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
					High	Low	Average												
Cereals																			
Paddy																			
Waterlogged Situation																			
Coarse Rice																			
Scented Rice																			
Wheat	ICM	Raj-4120	25	10	32.6	24	27.58	20.01	37.21	23624	63161	39537	2.67	22932	48139	25207	2.1	27.58	20.01
Wheat Timely sown																			
Wheat Late Sown																			
Mandua																			
Barley	ICM	BHS-400	20	8	29.76	21.12	25.71	21.1	21.8	22614	51928	29304	2.3	21450	42622	21172	1.9	25.71	21.1
Maize																			
Amaranth																			
Millets																			
Jowar																			

Bajra																			
Barnyard millet																			
Finger millet																			
Vegetables																			
Bottlegourd																			
Bittergourd																			
Cowpea																			
Spongegourd																			
Petha																			
Tomato	Crop impt.	Arka Samrat	25	2	615.2	407.6	513.2	349.6	31.87	-	-	110400	256600	146200	2.32	109500	174800	65300	1.60
Frenchbean																			
Capsicum																			
Chilli																			
Brinjal																			
Vegetable pea																			
Softgourd																			
Okra																			
Colocasia (Arvi)																			

Broccoli																			
Cucumber																			
Onion	Crop Introduction	*Kharif* Onion L 883	08	1	214.5	177.2	204.2	-	100	-	-	117000	408400	291400	3.49	-	-	-	-
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	**Crop Improvement**	**BB3**	10	1	-	-	1118	900	24.22	-	-	42650	122980	80330	2.88	-	-	-	-
Oat (F)	**Crop Improvement**	Kent	10	1	-	-	722	536	34.7	-	-	32900	102524	69624	3.12	-	-	-	-

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

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**	**Other parameter**		**Economics of demonstration (Rs.)**				**Economics of check (Rs.)**			
					Demo	**Check**		**Demo**	**Check**	**Gross Cost**	**Gross Return**	**Net Return**	**BCR (R/C)**	**Gross Cost**	**Gross Return**	**Net Return**	**BCR (R/C)**
Cattle																	
Buffalo																	
Buffalo Calf																	
Dairy																	
Poultry	Poultry production	Kadaknath	4	100	143 (Eggs) 15 (1.5kg/ Broiler)	-	100	4	-	5210	23930	18720	4.59	-	-	-	-

Sheep & Goat	Goat rearing	Bundelkhandi goat	11	44	36 kg (milk) 8 (kids)	-	100	1	-	11780	24540	12760	2.08	-	-	-	-
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

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

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																

FLD on Women Empowerment

Category	Name of technology	No. of demonstrations	Name of observations	Demonstration	Check
Stitching and tailoring	Sewing machine, sewing kit Training on stitching art & clothing construction	10	No. of article (garment/ furnishing material) produced	230	-
			Gross return (Rs.) Net Return (Rs.)	23000.00 19300.00	- -

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

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 garden	Balance Diet	Nutrition garden	65	65	768	-	100	-	-	2010.00	7680.00	5670.00	3.82	-	-	-	-
Kitchen garden	Balance Diet	Grow bag based nutritional garden	48	48	55	-	100	-	-	550.00	1260.00	710.00	2.29	-	-	-	-

FLD on Demonstration details on crop hybrids *(Details of Hybrid FLDs implemented during* **2020***)*

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

III. Training Programme

Farmers' Training including sponsored training programmes (on campus)

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Weed Management	2	26	5	31	4	15	19	30	20	50
Resource Conservation Technologies	1	12		12	4		4	16	0	16
Cropping Systems				0			0	0	0	0
Crop Diversification				0			0	0	0	0
Integrated Farming				0			0	0	0	0
Micro Irrigation/irrigation	2	35		35	5		5	40	0	40
Seed production	2	15	0	15	18	0	18	33	0	33
Nursery management				0			0	0	0	0
Integrated Crop Management	1	5	4	9	5	4	9	10	8	18
Soil & water conservatioin	1	12		12	8		8	20	0	20
Integrated nutrient management	1	14		14	4		4	18	0	18
Production of organic inputs				0			0	0	0	0
Others (pl specify)	3	69	4	73	7	2	9	76	6	82
Total	**13**	**188**	**13**	**201**	**55**	**21**	**76**	**243**	**34**	**277**
II Horticulture										
a) Vegetable Crops										
Production of low value and high valume crops	1	17		17	3		3	20	0	20
Off-season vegetables	1	24	0	24	2	0	2	26	0	26
Nursery raising	2	25	9	34	5		5	30	9	39
Exotic vegetables				0			0	0	0	0
Export potential vegetables				0			0	0	0	0
Grading and standardization				0			0	0	0	0
Protective cultivation				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total (a)	**4**	**66**	**9**	**75**	**10**	**0**	**10**	**76**	**9**	**85**
b) Fruits										
Training and Pruning	1	10		10	1		1	11	0	11
Layout and Management of Orchards				0			0	0	0	0
Cultivation of Fruit				0			0	0	0	0
Management of young plants/orchards				0			0	0	0	0
Rejuvenation of old orchards				0			0	0	0	0
Export potential fruits				0			0	0	0	0
Micro irrigation systems of orchards	1	17		17	2		2	19	0	19
Plant propagation techniques				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total (b)	**2**	**27**	**0**	**27**	**3**	**0**	**3**	**30**	**0**	**30**
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)	**6**	**93**	**9**	**102**	**13**	**0**	**13**	**106**	**9**	**115**
III Soil Health and Fertility Management										
Soil fertility management				0			0	0	0	0
Integrated water management				0			0	0	0	0
Integrated Nutrient Management				0			0	0	0	0
Production and use of organic inputs				0			0	0	0	0
Management of Problematic soils				0			0	0	0	0
Micro nutrient deficiency in crops				0			0	0	0	0
Nutrient Use Efficiency				0			0	0	0	0
Balance use of fertilizers				0			0	0	0	0
Soil and Water Testing	2	24	2	26	8	2	10	32	4	36
Others (pl specify)				0			0	0	0	0
Total	**2**	**24**	**2**	**26**	**8**	**2**	**10**	**32**	**4**	**36**
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	3	6	34	40	1	35	36	7	69	76
Design and development of low/minimum cost diet				0			0	0	0	0
Designing and development for high nutrient efficiency diet	1	1	14	15	0	2	2	1	16	17
Minimization of nutrient loss in processing				0			0	0	0	0
Processing and cooking	2	0	6	6	4	18	22	4	24	28
Gender mainstreaming through SHGs				0			0	0	0	0
Storage loss minimization techniques				0			0	0	0	0
Value addition	1	0	0	0	12	13	25	12	13	25
Women empowerment				0			0	0	0	0
Location specific drudgery reduction technologies	1	0	16	16	0	5	5	0	21	21
Rural Crafts	1	0	12	12	0	10	10	0	22	22
Women and child care	1	0	16	16	0	10	10	0	26	26
Others (health and sanitation; and stitching and tailoring)	2	0	0	0	20	37	57	20	37	57
Total	**12**	**7**	**98**	**105**	**37**	**130**	**167**	**44**	**228**	**272**
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				0			0	0	0	0

Integrated Disease Management				0			0	0	0	0
Bio-control of pests and diseases				0			0	0	0	0
Production of bio control agents and bio pesticides	1	21	0	21			0	21	0	21
Others (pl specify)										
Total	**1**	**21**	**0**	**21**			**0**	**21**	**0**	**21**
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				0			0	0	0	0
Group dynamics				0			0	0	0	0
Formation and Management of SHGs	1	7	1	8	13	2	15	20	3	23
Mobilization of social capital				0			0	0	0	0
Entrepreneurial development of farmers/youths				0			0	0	0	0
WTO and IPR issues				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total	**1**	**7**	**1**	**8**	**13**	**2**	**15**	**20**	**3**	**23**
XI Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (pl specify)										
Total										
GRAND TOTAL	**35**	**340**	**123**	**463**	**126**	**155**	**281**	**466**	**278**	**744**

Farmers' Training including sponsored training programmes (off campus)

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Weed Management	4	60	5	65	7	0	7	67	5	72
Resource Conservation Technologies	1	13	0	13	7	0	7	20	0	20
Cropping Systems				0			0	0	0	0
Crop Diversification	1	15		15	5		5	20	0	20

Integrated Farming				0			0	0	0	0
Micro Irrigation/irrigation				0			0	0	0	0
Seed production	1	13	0	13	15	0	15	28	0	28
Nursery management				0			0	0	0	0
Integrated Crop Management	1	25	0	25	0	0	0	25	0	25
Soil & water conservatioin				0			0	0	0	0
Integrated nutrient management				0			0	0	0	0
Production of organic inputs				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total	**8**	**126**	**5**	**131**	**34**	**0**	**34**	**160**	**5**	**165**
II Horticulture										
a) Vegetable Crops										
Production of low volume and high value crops	1	30		30			0	30	0	30
Off-season vegetables	1	18		18	3		3	21	0	21
Nursery raising	2	22	1	23	15	14	29	37	15	52
Exotic vegetables	1	14	11	25			0	14	11	25
Export potential vegetables				0			0	0	0	0
Grading and standardization				0			0	0	0	0
Protective cultivation				0			0	0	0	0
Others (pl specify)	1	11	9	20	4	2	6	15	11	26
Total (a)	**6**	**95**	**21**	**116**	**22**	**16**	**38**	**117**	**37**	**154**
b) Fruits										
Training and Pruning	1	11		11	1		1	12	0	12
Layout and Management of Orchards	1	9		9	14	7	21	23	7	30
Cultivation of Fruit				0			0	0	0	0
Management of young plants/orchards				0			0	0	0	0
Rejuvenation of old orchards	1	7		7	18		18	25	0	25
Export potential fruits				0			0	0	0	0
Micro irrigation systems of orchards	1	14	7	21	3	1	4	17	8	25
Plant propagation techniques				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total (b)	**4**	**41**	**7**	**48**	**36**	**8**	**44**	**77**	**15**	**92**
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)	**10**	**136**	**28**	**164**	**58**	**24**	**82**	**194**	**52**	**246**
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	1	12		12	8		8	20	0	20
Others (pl specify)				0			0	0	0	0
Total	**1**	**12**	**0**	**12**	**8**	**0**	**8**	**20**	**0**	**20**
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 (Goatry)	1	0	0	0	10	20	30	10	20	30
Total	**1**	**0**	**0**	**0**	**10**	**20**	**30**	**10**	**20**	**30**
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	2	15	22	37	0	30	30	15	52	67
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	1	0	0	0	8	16	24	8	16	24
Processing and cooking	1	0	0	0	13	17	30	13	17	30
Gender mainstreaming through SHGs				0			0	0	0	0
Storage loss minimization techniques				0			0	0	0	0
Value addition	2	0	0	0	18	45	63	18	45	63
Women empowerment				0			0	0	0	0
Location specific drudgery reduction technologies	1	19	17	36	0	0	0	19	17	36
Rural Crafts				0			0	0	0	0
Women and child care	3	0	21	21	18	33	51	18	54	72
Others (pl specify)				0			0	0	0	0
Total	**10**	**34**	**60**	**94**	**57**	**141**	**198**	**91**	**201**	**292**
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	1	14	0	14	7	1	8	21	1	22
Integrated Disease Management										
Bio-control of pests and diseases										
Production of bio control agents and bio pesticides										
Others (pl specify)										
Total	**1**	**14**	**0**	**14**	**7**	**1**	**8**	**21**	**1**	**22**
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										
Entrepreneurial development of farmers/youths	1	0	0	0	5	6	11	5	6	11
WTO and IPR issues										
Others (pl specify)										
Total	**1**	**0**	**0**	**0**	**5**	**6**	**11**	**5**	**6**	**11**
XI Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (pl specify)										
Total										
GRAND TOTAL	**32**	**322**	**93**	**415**	**179**	**192**	**371**	**501**	**285**	**786**

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

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Weed Management	6	86	10	96	11	15	26	97	25	122
Resource Conservation Technologies	2	25	0	25	11	0	11	36	0	36
Cropping Systems	0	0	0	0	0	0	0	0	0	0
Crop Diversification	1	15	0	15	5	0	5	20	0	20
Integrated Farming	0	0	0	0	0	0	0	0	0	0
Micro Irrigation/irrigation	2	35	0	35	5	0	5	40	0	40
Seed production	3	28	0	28	33	0	33	61	0	61
Nursery management	0	0	0	0	0	0	0	0	0	0
Integrated Crop Management	2	30	4	34	5	4	9	35	8	43
Soil & water conservatioin	1	12	0	12	8	0	8	20	0	20
Integrated nutrient management	1	14	0	14	4	0	4	18	0	18
Production of organic inputs	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	3	69	4	73	7	2	9	76	6	82
Total	**21**	**314**	**18**	**332**	**89**	**21**	**110**	**403**	**39**	**442**
II Horticulture										
a) Vegetable Crops										
Production of low value and high valume crops	2	47	0	47	3	0	3	50	0	50
Off-season vegetables	2	42	0	42	5	0	5	47	0	47
Nursery raising	4	47	10	57	20	14	34	67	24	91

Exotic vegetables	1	14	11	25	0	0	0	14	11	25
Export potential vegetables	0	0	0	0	0	0	0	0	0	0
Grading and standardization	0	0	0	0	0	0	0	0	0	0
Protective cultivation	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	1	11	9	20	4	2	6	15	11	26
Total (a)	**10**	**161**	**30**	**191**	**32**	**16**	**48**	**193**	**46**	**239**
b) Fruits										
Training and Pruning	2	21	0	21	2	0	2	23	0	23
Layout and Management of Orchards	1	9	0	9	14	7	21	23	7	30
Cultivation of Fruit	0	0	0	0	0	0	0	0	0	0
Management of young plants/orchards	0	0	0	0	0	0	0	0	0	0
Rejuvenation of old orchards	1	7	0	7	18	0	18	25	0	25
Export potential fruits	0	0	0	0	0	0	0	0	0	0
Micro irrigation systems of orchards	2	31	7	38	5	1	6	36	8	44
Plant propagation techniques	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total (b)	**6**	**68**	**7**	**75**	**39**	**8**	**47**	**107**	**15**	**122**
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)	**16**	**229**	**37**	**266**	**71**	**24**	**95**	**300**	**61**	**361**
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	3	36	2	38	16	2	18	52	4	56
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**3**	**36**	**2**	**38**	**16**	**2**	**18**	**52**	**4**	**56**
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)	1	0	0	0	10	20	30	10	20	30
Total	**1**	**0**	**0**	**0**	**10**	**20**	**30**	**10**	**20**	**30**
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	5	21	56	77	1	65	66	22	121	143
Design and development of low/minimum cost diet	0	0	0	0	0	0	0	0	0	0
Designing and development for high nutrient efficiency diet	1	1	14	15	0	2	2	1	16	17
Minimization of nutrient loss in processing	1	0	0	0	8	16	24	8	16	24
Processing and cooking	3	0	6	6	17	35	52	17	41	58
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0	0	0
Storage loss minimization techniques	0	0	0	0	0	0	0	0	0	0
Value addition	3	0	0	0	30	58	88	30	58	88
Women empowerment	0	0	0	0	0	0	0	0	0	0
Location specific drudgery reduction technologies	2	19	33	52	0	5	5	19	38	57
Rural Crafts	1	0	12	12	0	10	10	0	22	22
Women and child care	4	0	37	37	18	43	61	18	80	98
Others (pl specify)	2	0	0	0	20	37	57	20	37	57
Total	**22**	**41**	**158**	**199**	**94**	**271**	**365**	**135**	**429**	**564**
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	1	14	0	14	7	1	8	21	1	22
Integrated Disease Management	0	0	0	0	0	0	0	0	0	0
Bio-control of pests and diseases	0	0	0	0	0	0	0	0	0	0
Production of bio control agents and bio pesticides	1	21	0	21	0	0	0	21	0	21
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**2**	**35**	**0**	**35**	**7**	**1**	**8**	**42**	**1**	**43**
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	0	0	0	0	0	0	0	0	0	0
Group dynamics	0	0	0	0	0	0	0	0	0	0
Formation and Management of SHGs	1	7	1	8	13	2	15	20	3	23
Mobilization of social capital	0	0	0	0	0	0	0	0	0	0
Entrepreneurial development of farmers/youths	1	0	0	0	5	6	11	5	6	11
WTO and IPR issues	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**2**	**7**	**1**	**8**	**18**	**8**	**26**	**25**	**9**	**34**
XI Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (pl specify)										
Total										
GRAND TOTAL	**67**	**662**	**216**	**878**	**305**	**347**	**652**	**967**	**563**	**1530**

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

Area of training	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	0			0			0	0	0	0
Training and pruning of orchards	0			0			0	0	0	0
Protected cultivation of vegetable crops	0			0			0	0	0	0
Commercial fruit production	0			0			0	0	0	0
Integrated farming	0			0			0	0	0	0
Seed production	1	12	0	12	3	0	3	15	0	15
Production of organic inputs	0			0			0	0	0	0
Planting material production	1	9	0	9	4	0	4	13	0	13
Vermi-culture	1	0	13	13	0	2	2	0	15	15
Mushroom Production	0			0			0	0	0	0
Bee-keeping	0			0			0	0	0	0
Sericulture	0			0			0	0	0	0
Repair and maintenance of farm machinery and implements	0			0			0	0	0	0
Value addition	0			0			0	0	0	0
Small scale processing	0			0			0	0	0	0
Post Harvest Technology	0			0			0	0	0	0
Tailoring and Stitching	0			0			0	0	0	0
Rural Crafts	0			0			0	0	0	0
Production of quality animal products	0			0			0	0	0	0
Dairying	0			0			0	0	0	0
Sheep and goat rearing	0			0			0	0	0	0
Quail farming	0			0			0	0	0	0
Piggery	0			0			0	0	0	0
Rabbit farming	0			0			0	0	0	0
Poultry production	0			0			0	0	0	0
Ornamental fisheries	0			0			0	0	0	0
Composite fish culture	0			0			0	0	0	0
Freshwater prawn culture	0			0			0	0	0	0
Shrimp farming	0			0			0	0	0	0
Pearl culture	0			0			0	0	0	0

Cold water fisheries	0			0			0	0	0	0
Fish harvest and processing technology	0			0			0	0	0	0
Fry and fingerling rearing	0			0			0	0	0	0
Any other (pl.specify)	0			0			0	0	0	0
TOTAL	**3**	**21**	**13**	**34**	**7**	**2**	**9**	**28**	**15**	**43**

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops										
Training and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming										
Seed production										
Production of organic inputs										
Planting material production										
Vermi-culture										
Mushroom Production										
Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery and implements										
Value addition										
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
Production of quality animal products										
Dairying										
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										
Poultry production										
Ornamental fisheries										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Any other (pl.specify)										
TOTAL										

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

Area of training	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	0	0	0	0	0	0	0	0	0	0
Training and pruning of orchards	0	0	0	0	0	0	0	0	0	0
Protected cultivation of vegetable crops	0	0	0	0	0	0	0	0	0	0
Commercial fruit production	0	0	0	0	0	0	0	0	0	0
Integrated farming	0	0	0	0	0	0	0	0	0	0
Seed production	1	12	0	12	3	0	3	15	0	15
Production of organic inputs	0	0	0	0	0	0	0	0	0	0
Planting material production	1	9	0	9	4	0	4	13	0	13
Vermi-culture	1	0	13	13	0	2	2	0	15	15
Mushroom Production	0	0	0	0	0	0	0	0	0	0
Bee-keeping	0	0	0	0	0	0	0	0	0	0
Sericulture	0	0	0	0	0	0	0	0	0	0
Repair and maintenance of	0	0	0	0	0	0	0	0	0	0

farm machinery and implements										
Value addition	0	0	0	0	0	0	0	0	0	0
Small scale processing	0	0	0	0	0	0	0	0	0	0
Post Harvest Technology	0	0	0	0	0	0	0	0	0	0
Tailoring and Stitching	0	0	0	0	0	0	0	0	0	0
Rural Crafts	0	0	0	0	0	0	0	0	0	0
Production of quality animal products	0	0	0	0	0	0	0	0	0	0
Dairying	0	0	0	0	0	0	0	0	0	0
Sheep and goat rearing	0	0	0	0	0	0	0	0	0	0
Quail farming	0	0	0	0	0	0	0	0	0	0
Piggery	0	0	0	0	0	0	0	0	0	0
Rabbit farming	0	0	0	0	0	0	0	0	0	0
Poultry production	0	0	0	0	0	0	0	0	0	0
Ornamental fisheries	0	0	0	0	0	0	0	0	0	0
Composite fish culture	0	0	0	0	0	0	0	0	0	0
Freshwater prawn culture	0	0	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0	0	0
Cold water fisheries	0	0	0	0	0	0	0	0	0	0
Fish harvest and processing technology	0	0	0	0	0	0	0	0	0	0
Fry and fingerling rearing	0	0	0	0	0	0	0	0	0	0
Any other (pl.specify)	0	0	0	0	0	0	0	0	0	0
TOTAL	**3**	**21**	**13**	**34**	**7**	**2**	**9**	**28**	**15**	**43**

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops				0			0	0	0	0
Integrated Pest Management				0			0	0	0	0
Integrated Nutrient management				0			0	0	0	0
Rejuvenation of old orchards	1	16	0	16	4	0	4	20	0	20
Protected cultivation technology	1	12	0	12	5	0	5	17	0	17
Production and use of organic inputs	3	37	1	38	13	0	13	50	1	51
Care and maintenance of farm machinery and implements				0			0	0	0	0
Gender mainstreaming through SHGs				0			0	0	0	0
Formation and Management of SHGs				0			0	0	0	0
Women and Child care				0			0	0	0	0
Low cost and nutrient efficient diet designing	1	0	11	11	0	1	1	0	12	12
Group Dynamics and farmers organization	0			0			0	0	0	0
Information networking among farmers	0			0			0	0	0	0
Capacity building for ICT application	0			0			0	0	0	0
Management in farm animals	0			0			0	0	0	0
Livestock feed and fodder production	0			0			0	0	0	0
Household food security	0			0			0	0	0	0
Any other (pl.specify)	0			0			0	0	0	0
TOTAL	**6**	**65**	**12**	**77**	**22**	**1**	**23**	**87**	**13**	**100**

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops										
Integrated Pest Management										
Integrated Nutrient management										
Rejuvenation of old orchards										
Protected cultivation technology										
Production and use of organic inputs										

Care and maintenance of farm machinery and implements										
Gender mainstreaming through SHGs										
Formation and Management of SHGs										
Women and Child care										
Low cost and nutrient efficient diet designing										
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application										
Management in farm animals										
Livestock feed and fodder production										
Household food security										
Any other (pl.specify)										
TOTAL										

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops	0	0	0	0	0	0	0	0	0	0
Integrated Pest Management	0	0	0	0	0	0	0	0	0	0
Integrated Nutrient management	0	0	0	0	0	0	0	0	0	0
Rejuvenation of old orchards	1	16	0	16	4	0	4	20	0	20
Protected cultivation technology	1	12	0	12	5	0	5	17	0	17
Production and use of organic inputs	3	37	1	38	13	0	13	50	1	51
Care and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0	0	0
Formation and Management of SHGs	0	0	0	0	0	0	0	0	0	0
Women and Child care	0	0	0	0	0	0	0	0	0	0
Low cost and nutrient efficient diet designing	1	0	11	11	0	1	1	0	12	12
Group Dynamics and farmers organization	0	0	0	0	0	0	0	0	0	0
Information networking among farmers	0	0	0	0	0	0	0	0	0	0
Capacity building for ICT application	0	0	0	0	0	0	0	0	0	0
Management in farm animals	0	0	0	0	0	0	0	0	0	0
Livestock feed and fodder production	0	0	0	0	0	0	0	0	0	0
Household food security	0	0	0	0	0	0	0	0	0	0
Any other (pl.specify)	0	0	0	0	0	0	0	0	0	0
TOTAL	**6**	**65**	**12**	**77**	**22**	**1**	**23**	**87**	**13**	**100**

Table. Sponsored training programmes

Area of training	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										
Commercial production of vegetables										
Production and value addition										
Fruit Plants										
Ornamental plants										
Spices crops										
Soil health and fertility management										
Production of Inputs at site										
Methods of protective cultivation										
Others (pl. specify)										
Total										
Post harvest technology and value addition										
Processing and value addition										
Others (pl. specify)										
Total										
Farm machinery										
Farm machinery, tools and implements										
Others (pl. specify)										

Total										
Livestock and fisheries										
Livestock production and management										
Animal Nutrition Management										
Animal Disease Management										
Fisheries Nutrition										
Fisheries Management										
Others (pl. specify)										
Total										
Home Science										
Household nutritional security										
Economic empowerment of women										
Drudgery reduction of women										
Others (pl. specify)										
Total										
Agricultural Extension										
Capacity Building and Group Dynamics										
Others (Apiculture*)	1	24	1	25	0	0	0	24	1	25
Total	**1**	**24**	**1**	**25**	**0**	**0**	**0**	**24**	**1**	**25**
GRAND TOTAL	**1**	**24**	**1**	**25**	**0**	**0**	**0**	**24**	**1**	**25**

Name of sponsoring agencies involved: *RKVY

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop production and management										
Commercial floriculture										
Commercial fruit production										
Commercial vegetable production										
Integrated crop management										
Organic farming										
Others (pl. specify)										
Total										
Post harvest technology and value addition										
Value addition										
Others (pl. specify)										
Total										
Livestock and fisheries										
Dairy farming										
Composite fish culture										
Sheep and goat rearing										
Piggery										
Poultry farming										
Others (pl. specify)										
Total										
Income generation activities										
Vermicomposting										
Production of bio-agents, bio-pesticides,										
bio-fertilizers etc.										
Repair and maintenance of farm machinery										
and implements										
Rural Crafts										
Seed production										
Sericulture										
Mushroom cultivation										
Nursery, grafting etc.										
Tailoring, stitching, embroidery, dying etc.										
Agril. para-workers, para-vet training										
Others (pl. specify)										
Total										
Agricultural Extension										
Capacity building and group dynamics										
Others (pl. specify)										
Total										
Grand Total										

IV. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
Advisory Services	318	4678	116	4794
Diagnostic visits	83	333		333
Field Day	7	197	0	197
Group discussions	2	58		58
Kisan Ghosthi	28	1536	65	1601
Film Show				0
Self -help groups	10	375	4	379
Kisan Mela				0
Exhibition				0
Scientists' visit to farmers field	83	333		333
Plant/animal health camps				0
Farm Science Club				0
Ex-trainees Sammelan				0
Farmers' seminar/workshop				0
Method Demonstrations				0
Celebration of important days	3	48		48
Special day celebration	28	1536		1536
Exposure visits				0
Others (pl. specify)				0
Total	**562**	**9094**	**185**	**9279**

Details of other extension programmes

Particulars	Number
Electronic Media (CD./DVD)	
Extension Literature	4
News paper coverage	64
Popular articles	2
Radio Talks	
TV Talks	
Animal health amps (Number of animals treated)	
Others (pl. specify)	
Total	**70**

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weather	Marke-ting	Aware-ness	Other enterprise	Total
	Text only	48		12		4	6	**70**
	Voice only	0						**0**
	Voice & Text both							
	Total Messages	**48**	**0**	**12**	**0**	**4**	**6**	**70**
	Total farmers Benefitted	**279**		**279**		**279**	**279**	**1116**

V. 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			

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

Production of seeds by the KVKs

Crop	Name of the crop	Name of the variety	Name of the hybrid	Quantity of seed (q)	Value (Rs)	Number of farmers
Cereals	Wheat	K1317, DBW-107, Raj 4120		202.68	773224	500
	Barley	BHS 400		7.01	21913	27
		Total		**209.69**	**795137**	**527**
Oilseeds	Mustard	Giriraj		1.49	12793	52
	Seasum	RT-351		0.25	2500	
	Groundnut	GJG-09		0.72	5000	
	Soybean	JS 2043		0.52	5200	
		Total		**2.98**	**25493**	
Pulses	Pigeon pea	IPA -203		7.95	75000	26
	Green gram	Shikha		1.5		
	Field pea	IPFD12-2/ IPF4-9/ IPFD10-12		84.46	862759	210
	Chick pea	RVG202, 203, JG-12, 36		197.02	1646102	450
	Black gram	IPU2-43/IPU11-2		4	37492	
		Total		**294.93**	**2621353**	**686**
Commercial crops						
Vegetables						
Flower crops						
Spices						

Fodder crop seeds						
Fiber crops						
Forest Species						
Others						
Total				**507.6**	**3441983**	**1265**

Production of planting materials by the KVKs

Crop	Name of the crop	Name of the variety	Name of the hybrid	Number	Value (Rs.)	Number of farmers
Commercial						
Vegetable seedlings	Brinjal		B5, Neelam	5220	2610	99
	Chilli		Navtez, VNR 10	3080	1848	98
	Tomato		Arka Rakshak, Arka Samrat, Arka Abhed	34825	20895	130
	Cabbage		Ankur Manas	3229	1130.15	91
	Cucumber		Khyati	28	140	3
	Moringa		PKM 1	239	1912	29
	Total			**46621**	**28535**	**450**
Fruits	Papaya		Red lady	12	300	1
Ornamental plants						
Medicinal and Aromatic	Basil	Rama		120000	12000	
Plantation						
Spices						
Tuber						
Fodder crop saplings						
Forest Species						
Others						
Total				**166633**	**40835**	**451**

Production of Bio-Products

Bio Products	Name of the bio-product	Quantity Kg	Value (Rs.)	No. of Farmers
Bio Fertilisers	Vermi-compost	500	5000	
	NADEP compost	50000	8000	
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				
Buffaloes				
Calves	Tharparkar	1	1000	
Others - Goat	Bundelkhandi	4	5000	
Poultry				
Broilers				
Layers				
Duals (broiler and layer)				
Japanese Quail				
Turkey				
Emu				
Ducks				
Others (Pl. specify)				
Piggery				
Piglet				
Others (Pl.specify)				
Fisheries				
Indian carp				
Exotic carp				
Others (Pl. specify)				
Total		**5**	**6000**	

VII. DETAILS OF SOIL, WATER AND PLANT ANALYSIS

Samples	No. of Samples	No. of Farmers	No. of Villages	Amount realized (Rs.)
Soil	231	534	24	0
Water				
Plant				
Manure				
Others (pl.specify)				
Total	**231**	**534**	**24**	**0**

VIII. SCIENTIFIC ADVISORY COMMITTEE

Name of KVK	Number of SACs conducted	Date of SAC
KVK Mahoba	1	11.10.2021

IX. NEWSLETTER/MAGAZINE

Name of News letter/Magazine	No. of Copies printed for distribution
Krishi Sandesh (Jan-March 2021)	100
Krishi Sandesh (April - June 2021)	100
Krishi Sandesh (July-Sep. 2021)	100
Krishi Sandesh (Oct.- Dec. 2021)	100

X. PUBLICATIONS

Category	Number
Books	
Technical bulletins	
Research Paper	2
Lead Papers	
Book Chapters	1
Popular Articles	2
Newsletters	4
Technical reports	17
Others (Seminar abstract)	13
Total	**39**

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

Activities conducted				
No. of Training programmes	**No. of Demonstrations**	**No. of plant materials produced**	**Visit by farmers (No.)**	**Visit by officials (No.)**
5	23	46633	1536	65

XII. 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												

XIII. 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 Zonal Project Directorate

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

Case study

Economic prosperity through Horticulture based Integrated Farming System in Mahoba district of Bundelkhand

Situation analysis/ Problem statements

Shri Chinta Haran belongs to a poor farmer family. His father was practicing traditional agricultural practices which were not sufficient to meet economical needs of family. Hence, Chinta Haran has left his study after class 8th to help his father in agriculture. With rain fed farming and limited source of irrigation initially Chinta too got disappointed from farming but due to family reasons he could not went out for search of a job. Thus, staying in village and doing agriculture was only option for him.

Plan, Implement and Support

In search of sustainable livelihood and financial help Chinta Haran came in contact of government departments. With the technical guidance from KVK and input support from different schemes of Agriculture, Horticulture departments, MGNREGA and RKVY schemes, he started horticulture based Integrated Farming. He has adopted micro-irrigation system and once rainfed farming area was also became irrigated due to better water use efficiency. Presently he is using drip irrigation system in 4.50 ha. area for cultivation of horticultural crops like guava, lime, brinjal and chilli. With the help of sprinkler systems he is irrigating 10 ha. land and now able to do farming. He has well developed dairy unit with composting units to support agri-horti crops cultivation and taken pulse seed production from KVK, Mahoba in 2 ha area.

Output

Constant efforts and hard working nature of Chinta Haran has established wonderful integration among different unit of farming available with him. Apart from his land now he has taken land on lease and doing farming on more than 15ha. area. He is selling more than 700 quintals of fruits and vegetables 300 quintals of pulses, oilseed & cereal grains per annum.

Outcome

Horticulture based Integrated farming system proved life changing for Chinta Haran and he is now able to earn more than 12lakhs from farming. He has also generated more than 3000 man day's employment in the village. He is now well known farmer in the district for his progressive farming. Inspired from him many farmers in district opting this system.

Impact

a) Technological: use of micro-irrigation in horticulture and agriculture has proved very beneficial to the area. Area under micro-irrigation is increasing year by year. Mass of farmers are opting horticulture based integrated farming system.

b) Economic: Horticulture based integrated farming system has great economical potential and on an average he is earning Rs.1.20Lakh/hectare/annum.

c) Social: Inspired from Chinta Haran hundreds of farmers are opting micro-irrigation system and horticulture based integrated farming for sustainable livelihood from agriculture.

XIV. AGRICULTURAL TECHNOLOGY INFORMATION CENTRE

A. Details on ATICs

S. No	Name of the ATIC	Name of the Host Institute	Name of the ATIC Manager

B. Details on Farmer's visit

S. No	Purpose of visit	Number of farmer's visited
01	Technology Information	
02	Technology Products	
03	Others if any pl. specify	

C. Facilities in the ATIC which are in operation

S. No	Particulars	Availability (Please √ mark)	Number of ATICs
01	Reception counter		
02	Exhibition / technology museum		
03	Touch screen Kiosk		
04	Cafeteria		
05	Sales counter		
06	Farmer's feedback register		
07	Others if any (please specify)		

D. Technology information provided

D.1. Details on technology information

S. No	Information category	Number of ATICs	Total number of farmers benefitted	Category of information						
				Varieties / hybrids	Pest management	Disease management	Agro-techniques	Soil and water conservation	Post Harvest technology and Value addition	Animal Husbandry and fisheries
01	Kisan Call Centre / other Phone calls from farmers									
02	Video shows									
03	Letters received									
04	Letters replied									
05	Training to farmers / technocrats / students									
06	Others pl. specify									

D.2 . Publications (Print & Electronic media)

S. No	Particulars	Number sold	Revenue generated in Rs.	Number of farmers benefited
01	Books			
02	Technical bulletins			
03	Technology Inventory			
04	CDs			
05	DVDs			
06	Video films			
07	Audio CDs			
08	Others if any (please specify)			

E. Technology Products provided

S. No	Particulars	Quantity (q)	Unit of quantity	Value in Rs.	Number of farmers benefited
01	Seeds	507.60	Quintal	3441983	1265
02	Planting materials	166633	Numbers	40835	451
03	Livestock	5	Numbers	75000	0
04	Poultry birds		Numbers		
05	Bio-products	55	Quintals	13000	0
06	Others pl. specify				

F. Technology services provided

S. No	Particulars	Number of farmers benefited
01	Soil and water testing	534
02	Plant diagnostics	
03	Details about the services to line Departments	
04	Others if any (please specify)	

XV. TECHNOLOGICAL BACKSTOPPING BY DIRECTORATES OF EXTENSION

States covered:

Number of Directorates of Extension:

A. Details on Directors of Extension

S. No	Name of the SAU	Name of the Director of Extension	Number of KVKs for which technological backstopping is provided					
			SAU/CAU	DU	ICAR	NGO	SDA	Others (pl. specify)

B. Workshops / meetings organized

S. No.	Details of workshop/meeting conducted	No. of KVKs participated

C. Visits made by DE / Officials in the Directorate to KVKs

S. No.	Particulars	Number of visits
01	SAC meetings	3
02	Field days	
03	Workshops / seminars	
04	Technology week	
05	Training programmes	
06	Others pl. specify	

D. Over seeing of KVKs activities

S. No.	Particulars	Number of fields visited	Major observations / remarks	Major suggestions given
01	On Farm Trials			
02	Front Line Demonstration			
03	Others pl. specify			

E. Publication on Technology inventory

S. No.	Particulars	Number
01	Directorates published the technological inventory	
02	Directorates constantly updating the technological inventory	

F. Technological Products provided to KVKs

S. No.	Major technologies provided	Number of KVKs
01	Seeds	
02	Planting materials	
03	Bio-products	
04	Livestock breed	
05	Livestock products	
06	Poultry breed	
07	Poultry products	
08	Others pl. specify	

XVI Achievement of Special programmes

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

S. No.	Name of QP/Job role	Duration (hrs)	No. of Courses Organised	No. of Participants						
				SCs/STs		Others		Total		TOTAL
				Male	Female	Male	Female	Male	Female	
1	Agriculture Extension Service Provider	200								
2	Agriculture Machinery Demonstrator	200								
3	Agriculture Machinery Operator	200								
4	Agriculture Machinery Repair and Maintenance Service Provider	200								
5	Animal Health Worker	300								
6	Aquaculture Technician	200								
7	Aquaculture Worker	200								
8	Aquarium Technician	200								
9	Artificial Insemination Technician	400								
10	Assistant Gardener	200								
11	Beekeeper	200								
12	Brackwishwater Aquaculture Farmer	210								
13	Broiler Farm Worker	200								
14	Citrus Fruit Grower	200								
15	Community Service Provider	200								
16	Dairy Farmer - Entrepreneur	200								
17	Fish Seed Grower	210								
18	Floriculturist - Open cultivation	200								
19	Floriculturist - Protected cultivation	200								
20	Forest Nursery Raiser	200								
21	Freshwater Aquaculture Farmer	200								

22	Friends of Coconut Tree	200								
23	Greenhouse Operator	200								
24	Group Farming Practitioner	200								
25	Harvesting Machine Operator	200								
26	Hatchery (Fishery) Production Worker	200								
27	Layer Farm Worker	200								
28	Mango Grower	200								
29	Medicinal Plants Cultivator	200								
30	Micro Irrigation Technician	200								
31	Mushroom Grower	200								
32	Nursery Worker	200								
33	Organic Grower	200								
34	Ornamental Fish Technician	200								
35	Packhouse Worker	200								
36	Quality Seed Grower	200								
37	Seed Processing Plant Technician	200								
38	Sericulturist	200								
39	Service and Maintenance Technician-Farm Machinery	205								
40	Shrimp Farmer	240								
41	Small poultry farmer	240								
42	Soil & Water Testing Lab Analyst	240								
43	Soil & Water Testing Lab Assistant	200								
44	Supply Chain Field Assistant	200								
45	Tea Plantation Worker	200								
46	Tractor Operator	200								
47	Vermicompost Producer	200								
	TOTAL									

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

a) CRM Machinery procured by KVKs

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	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/Dem	No. of Farmers	No. of Trainings/Dem	No. of Women Farmers	No. of Trainings/Dem os	No. of Youths	No. of Trainings/Dem	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
13	100	13	166	1	15			50	73					23		

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
4	5	14	123	281

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	Production of Livestock strains (Number in lakh)	Production of fingerlings (Number in lakh)	Testing of Soil, water, plant, manures samples
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						
2	309								458							

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	Crop production	1	0.60		2		38
2	Horticulture	5	0.20		1		18
3	Dairy	1	0.15		1		19
4	Goatry	1	0.03		1		17
5	Poultry	1	0.02		1		18
	Total	9	1.00		6		110

7) Achievements under Mera Gaon Mera Gaurav (MGMG) project

No. of institutes/ universities involved	Total No of Groups/team formed	No. of Scientists Involved	No. of villages covered	No. of field activities conducted	No. of messages/ advisory sent	Farmers benefited (No.)

8) Achievements of Farmers FIRST programme

NRM Module		Crop Module		Horticulture Module		Livestock & Poultry			IFS Model		Extension A	
Demon.	No Farm Families	Demon.	No Farm Families	Demon.	No Farm Families	Demon.	No Farm Families	No of Animals	Demon.	No Farm Families	No. of prog	

9) Activities performed under NARI programme

Table-9.1: 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
65	65			3	54	20	515	6	372

Table-9.2: 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			
Millet	Finger millet			
	Pearlmillet			
	Sorghum			
Oilseed	Groundnut			
	Mustard			
Pulses	Lentil			
	Lathyras			
Vegetable	Cauliflower			
Tuber	Sweet Potato			
Total				

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

Sample	No. of Samples in	No. of Farmers in	No. of Villages in	Amount realized (Rs. in lakhs)	No. of Soil Health Cards issued (No.)
Soil	231	534	24		534
Water					
Plant					
Manure					
Total	**231**	**534**	**24**		**534**

11) 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) 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						

13) Achievements under Rainwater Harvesting Structures

Sr. No.	Activities	Number
1	Training programmes	
2	Demonstration	
3	Plant materials produced	
4	Visit by farmers	
5	Visit by officials	

14) 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	IPU2-43/ IPU11-2	50	6	4	F/S	Black gram
	Green Gram	Shikha	50	2	1.5	F/S	Green Gram
	Pigeon pea	IPA -203	20	3	7.95	F/S	Pigeon pea
Total (Kharif)			120	11	13.45		
Rabi	Chick pea	RVG-202, 203, JG-12 36	500	20	197.02	F/S, C/S	492
	Field pea	IPFD12-2, IPFD11-5, IPF 4-9	200	8	84.46	F/S, C/S	211
Total (Rabi)			700	28	281.48		
Summer	Black gram						
Total (Summer)							
Grand Total			**820**	**39**	**294.93**		**703**

15) NEMA (New Extension Methodologies and Approaches)

Name of Crop with variety	No. of districts	No. of Villages selected	No. of Blocks	No. of household selected	
				Adapter household	Non adapter household

16) Achievements under CSISA (Cereal System Initiative for South Asia) project

S.No.	Name of Programme	Number/quantity
1	Plantation by paddy uppulling	
2	DSR	
3	Laser leveler	
4	Training	
5	Kisan Mela	
6	Seminar	
7	Seed production (q)	

17) Achievements under NIFTD (National Initiatives for fodder technology demonstrations)

Name of fodder	Variety	Production (q)	Training courses	No. of farmers benefitted

18) Achievements under Swachhata Abhiyan Mission

S.No.	Items	No. of Programmes	No. of persons participated
1	Toilet maintenance		
2	Road, drain cleaning	2	32
3	Garbage disposal	2	43
4	Door to door awareness	2	28
5	Awareness campaign	4	154
6	Nookkad Drama		
7	School Drama		

8	School rally		
9	Writing paining slogans		
10	Composting	4	155
11	Other	2	41
	Total	**16**	**453**

19) 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	

XVI Awards

S.No.	**Name of Award received**	**Name of KVK/farmer**	**Year of Award**	**Date on which award received**
1.	**Appreciation Award for pulse seed hub from**	**Mahoba**	**2020**	**Excellent efforts done in**

	ICAR -ATARI, Kanpur			**seed hub**
2.	**Received Best KVK Scientist Award from ISEE, New Delhi in the national seminar held at BHU, Varanasi**	**Dr. Mukesh Chand, Head, KVK, Mahoba**	**2021**	**6th Oct., 2021 at BHU, Varanasi**

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

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