ANNUAL PROGRESS REPORT

(Jan,2019- Dec,2019)

Submitted to

Agricultural Technology Application Research Institute
Kanpur

Krishi Vigyan Kendra, Belatal, Mahoba

Directorate of Extension

Banda University of Agriculture and Technology, Banda

PROFORMA FOR PREPARATION OF ANNUAL REPORT (Jan., 2019-Dec., 2019)

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	66	1212	328	1540
Rural youths	7	103	26	129
Extension functionaries	4	53	5	58
Sponsored Training	3	118	26	**144**
Vocational Training	**2**	39	1	40
Total	**82**	**1525**	**386**	**1911**

2. Frontline demonstrations

Enterprise	No. of Farmers	Area (ha)	Units/Animals
Oilseeds	100	40	
Pulses	150	60	
Cereals	50	20	
Vegetables	111	3.7	
Other crops	63	3.5	
Hybrid crops	20	2.2	
Total			
Livestock & Fisheries			
Other enterprises			
Total			
Grand Total	**494**	**129.4**	

3. Technology Assessment & Refinement

Category	No. of Technology Assessed & Refined	No. of Trials	No. of Farmers
Technology Assessed			
Crops	7	33	33
Livestock	2	8	8
Various enterprises			
Total			
Technology Refined			
Crops			
Livestock			
Various enterprises			
Total			
Grand Total	**9**	**41**	**41**

4. Extension Programmes

Category	No. of Programmes	Total Participants
Extension activities	**153**	**8727**
Other extension activities	**615**	
Total	**768**	**8727**

5. Mobile Advisory Services

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weather	Marke-ting	Aware-ness	Other enterprise	Total
	Text only	6	2	10	1	5		24
	Voice only							
	Voice & Text both							
	Total Messages	6	2	10	1	5	0	24
	Total farmers Benefitted	**15820**						

6. Seed & Planting Material Production

	Quintal/Number	Value Rs.
Seed (q)	**425**	**2550000**
Planting material (No.)	**85347**	**25785**
Bio-Products (kg)	**1500**	**12500**
Livestock Production (No.)	**52**	**29500**
Fishery production (No.)		

7. Soil, water & plant Analysis

Samples	No. of Beneficiaries	Value Rs.
Soil	245	-
Water		
Plant		
Total	**245**	

8. HRD and Publications

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

DETAIL REPORT OF APR-2019

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:**2007**

1.5. Staff Position (as on 30th December,2019)

Sl. No.	Sanctioned post	Name of the incumbent	Design-ation	Discip-line	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Perman-ent /Temp-orary	Category (SC/ST/ OBC/ Others)	Mobile no.	Age	Email id
1	Programme Coordinator	Dr. Mukesh Chand	Senior Scientist cum Head	Soil Conservation	37400-67000	49240	10.12.2017	Permanent	Gen .	9451333378	53	kvkmahoba@gmail.com
2	Subject Matter Specialist	Dr. Maheshwaree Prasad Singh	SMS	Agri. Extension	15600-39100	30860	13.12.2017	Permanent	Gen .	9451367358	43	maheshweeari@gmail.com
3	Subject Matter Specialist	Dr Sunil Kumar	SMS	Plant Pathology	15600-39100	30880	15.12.2017	Permanent	SC	9454525596	38	drsunilk81@gmail.com
4	Subject Matter Specialist	Dr Ashwani Arya	SMS	Animal Husbandry	15600-39100	22280	15.12.2017	Permanent	OBC	9458644534	30	ashwani.arya2010@gmail.com
5	Subject Matter Specialist	Dr Amrita Singh	SMS	Home Science	15600-39100	22280	16.12.2017	Permanent	Gen	9457695428	34	amritalko@gmail.com
6	Subject Matter Specialist	Dr Brijesh Pandey	SMS	Horticulture	15600-39100	24350	23.01.2018	Permanent	Gen	9430955950	34	mr.brijeshpandey@gmail.com
7	Subject Matter Specialist	Mr. Gaurav	SMS	Agronomy	15600-39100	21630	15.02.2018	Permanent	SC	9415295756	27	gauraviasbhu@gmail.com
8	Programme Assistant	Mr Chandra Shekhar	Programme Assitt (Farm Manager/Lab Tech.)	-	9300-34800	14330	22.12.2017	Permanent	SC	9005542047	27	chandrashekhar7414@gmail.com
9	Computer Programmer	Ms. Alka Mishra	Programme Assistant (Computer)	-	9300-34800	14330	14.12.2017	Permanent	Gen	8795870309	27	mishra.alka4@gmail.com
10	Farm Manager	Mr Gufran Ahmad	Programme Assitt (Farm Manager/Lab Tech.)	-	9300-34800	13910	26.12.2017	Permanent	OBC	9870942077	23	gufranggg72@gmail.com
11	Accountant / Superintendent	Mr. Saurabh Shukla	Office Assistant		9300-34800	14330	11.12.2017	Permanent	Gen	9005339706	23	shuklasaurabh.banda94@gmail.com
12	Stenographer	Mr. Ashish Dixit	Stenographer		5200-20200	10520	11.12.2017	Permanent	Gen	9918238531	33	dashish455@gmail.com
13	Driver	Mr. Rahul Mishra	Driver		5200-20200	8990	11.12.2017	Permanent	Gen	9628278754	30	rahulmishra888@gmail.com
14	Driver	Mr. Shriram Yadav	Driver		5200-20200	8990	11.12.2017	Permanent	OBC	7398520921	31	
15	Supporting staff	Mr. Hardayal	Attendant									
16	Supporting staff	Vacant										

1.6. Total land with KVK (in ha) : **21.0**

S. No.	Item	Area (ha)
1	Under Buildings	1.30
2.	Under Demonstration Units	0.20
3.	Under Crops	18.0
4.	Orchard/Agro-forestry	0.50
5.	IFS model	1.00

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR						
2.	Farmers Hostel	ICAR	5th March, 2004					
3.	Staff Quarters (6)	ICAR						
4.	Demonstration Units (2)	ICAR						
5	Fencing	ICAR						
6	Rain Water harvesting system	ICAR						
7	Threshing floor	ICAR						
8	Farm godown	ICAR						

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Marshal Jeep	2001	-	115000	Very old, need to be replaced
Tractor	-	-	-	Working condition
Motor Cycle	2010	-	3500	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	Unusable
Cultivator (one)	2001	9000.00	Unusable
Labeler (one)	2001	6000.00	Good
Zero till machine (one)	2001	24000.00	Reliable
Harrow (one)	2001	12500.00	Reliable
Computer Table (Two)	2001	11960.00	Reliable
Printer Table (one)	2001	2445.00	Reliable
Computer Chair with Arm (Two)	2001	4776.00	Reliable
Computer Chair Without Arm (Two)	2001	3400.00	Reliable

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	12.06.2018		Good
Visitor Chair	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	18.4.2018		Good
Solar Street light	30.8.2018		Good
Office table (Zuari)	30.8.2018		Good
Visitor chairs	30.8.2018		Good
Office chairs revolving	30.8.2018		Good
Seed drill	20.7.2019		Good

1.8. A). Details SAC meeting* conducted in the year: 2019

Sl.No.	Date	Name and Designation of Participants	Salient Recommendations	Action taken
1.	14.10.2019	1. Dr. N. K Bajpai, Director Extension, BUAT, Banda. 2. Dr. V. P Nagaich, Associate Director 3. Dr. Mukesh Chand, Head, KVK, Mahoba 5. Mr. V.S Shukla ,Branch Manager, SBI, Jaitpur, Mahoba 6. Mr Ravi Narayan Vyas,Jaitpur 7. Mr. Karan Singh Sainger, Horticulture Dept, Mahoba 8. Shri Bhagwat Sharan Sullere, Progressive Framer, Jaitpur. 10. Mr. Padam Singh Gautam, Retd. State Govt. Official, Charkhari, Mahoba. 11. Dr. M. P. Singh, SMS, Agric. Exten., KVK, Mahoba. 12. Dr. Sunil Kumar, SMS, Plant Protection, KVK, Mahoba. 13. Dr. Brijesh Pandey, SMS, Horticulture, KVK, Mahoba. 14. Dr. Gaurav, SMS, Agronomy, KVK, Mahoba. 15. Mr. Chandrashekhar, Farm Manager, KVK, Mahoba. 16. Mr. Gufran Ahmad, farm Manager, KVK, Mahoba. 17. Ms. Alka Mishra, Prog. Assist. (Computer), KVK, Mahoba 18. Mr. Shankarlal Kushwaha, Progressive Farmer, Mahoba 19. Mr. Radheyshyam Agarwal, Farmer, Jaitpur, Mahoba. 20. Mrs. Ramsakhi, SHG representative, Lamaura 21. Mrs Usha Devi, Farm women, Lamaura. 22. Mr. Ravi Vyas, Agriprenuer, Jaitpur.	1. Suggestion for Formation of FPO. 2. More emphasis should be given to promotion of organic farming in district. 3. Promotion of indigenous food recipes (eg. *Buknu, Badi*, etc.) 4. Proper labeling of KVK demonstration units. 5. Enhancement of seed production program to be conducted on farmers fields. 6. Suggestion for filling vacant posts of Attendants.	1. Action has to be taken and included in next year 2020-21 annual action plan. 2. ..Do… 3. …do… 4. …do… 5. …do 6. Action has to be taken by The University administration.

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 (2019)

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 cropping sequence.
2	People keep poor buffaloes and deshi cow with 5-6 goats
3	Poor fruit and agro forestry based farming systems are adopted by 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 type/s

S. No	Soil type	Characteristics	Area in ha
1	Parwa	These soils are deep to very deep 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. Coarse to medium in texture poor inorganic 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. Mostly 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 (the colour chroma less than one) having lower chroma they slightly eroded at places support very good kharif and Rabi crops, mostly Jowar and Wheat locally called Mar. Soil having very good water holding capacity.	6%

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

S. No	Crop	Area (ha)	Production (Qtl)	Productivity (Qtl /ha)
1	Wheat	74140	1875050	25.29
2	Barley	7972	207970	26.32
3	Gram	27842	217340	7.81
4	Pea	42188	335820	7.96
5	Lentil	15820	95710	6.05
6	Mustard /Rai	7754	66070	8.52
7	Rice	51	910	17.84
8	Pigeon pea	4079	42030	10.30
9	Groundnut	8240	41610	5.05
10	Sesamum	24856	18390	0.74
11	Black gram	47199	228440	4.84
12	Green gram	8223	24340	2.96
13	Sorghum	3918	37510	9.57
11	Potato	87	21750	250

2.5. Weather data (Year 2019)

Month	Rainfall (mm)	Temperature ^{0} C		Average Relative Humidity(%)
		Max.	Min.	
January	0.0	20.5	6.2	73.4
Febuary	0.0	34.1	17.8	61.2
March	0.0	36.6	19.8	50.1
April	0.0	37.4	21.3	34.0
May	7.3	43.2	26.3	40.3
June	18.8	36.7	27.2	52.9
July	119.13	32.9	26.2	76.0
August	203.93	20.5	24.2	82.9
September	167.33	33.2	22.3	82.5
October	55.0	34.6	18.8	70.0
November	10.0	27.6	12.8	76.0
December	15.0	21.6	8.1	86.0
Total	**596.49**			

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			
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 (2019-20)

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	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 SugiraKhairatiya Bharwara	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	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

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
Bel	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
Grain storage	Knowledge of safe grain storage to be imparted to the rural people
Milch Cattle	Feed management, Breed Improvement, Educating farmers about ill effects of "*anna Pratha*".
Chilli	Integrated pest Management.
Summer Vegetables	Under protected cultivation.
Seed production	Pulses seed production in participatory mode with village linkage program
IFS model	Integrated farming for judicious use of farm resources, employment and income generation
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.

2.9 Intervention/ Programmes for the doubling the farmers income – during 2018-19 **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
CFLD- Groundnut	14.50			39500	34305	1.87	

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
CFLD- Groundnut (Kaushal) with seed treatment with FIR	19.20			41500	56228	2.35	

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
CFLD- Sesame	Crop damaged due to heavey rainfall at the time of maturity						

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
CFLD- Sesame (Pragati)	Crop damaged due to heavey rainfall at the time of maturity						

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

Mustard	9.80			14700	22403	1.68	

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**
Mustard Pitambari	14.70			17500	41337	3.36	

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**
Black gram	Crop damaged due to heavey rainfall at the time of maturity						

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**
Black gram PU-1	Crop damaged due to heavey rainfall at the time of maturity						

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**
Green gram	Crop damaged due to heavey rainfall at the time of maturity						

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
Green gram IPM-2-3	Crop damaged due to heavey rainfall at the time of maturity						

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
Chickpea	12.9			19500	34696	2.78	

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
Chickpea JG - 14	17.84			24500	54004	3.20	

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
Field pea	17.70			20025	56456	2.78	

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
Field pea IPFD 10-12	21.61			20425	72822	4.57	

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
Lentil	6.50			16052	14322	1.89	

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
Lentil KLB 320	8.34			18200	20875	2.15	

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- Wheat							

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

After Interventions	Crop Yield (qtls.)	Horticulture crop Yield (qtls.)	Livestock yield	Cost of cultivation(Rs/ha)*	Net income(Rs/ha)	B.C: Ratio	Remark if any
IFS System (Black gram (0.30ha) + Groundnut (0.30ha) + Fodder maize (0.12ha.)- Mustard (0.3ha.)+ Field pea (0.3ha.)-Green gram (0.6ha)) –Horticulture (0.18ha) Livestock (2cow)-Vermi compost etc.							

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 2019-20

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	9	44	40	112.8	146.9	390	490

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
2 Farmers	94	66	2420	1540	220	153	7218	8727
Rural youth	9	7	135	129				
Extn. Functionaries	10	4	200	58				
Sponsored	2	2	40	40				

Seed Production (Qtl.)			Planting material (Nos.)		
5			6		
Target	Achievement	Distributed to no. of farmers	Target	Achievement	Distributed to no. of farmers
1000	435	398	20000	85347	291

I.A TECHNOLOGY ASSESSMENT

Summary of technologies assessed under various crops by KVKs

Thematic areas	Crop	Name of the technology assessed	No. of trials	No. of farmers
Integrated Nutrient Management				
Varietal Evaluation	Onion	NHRDFL-883 Bhima Super, Bhima dark red	7	7
	Black Gram	*Low yield due to poor quality of seed ,YMV infestation.*	4	4
	Green gram	*Low yield due to loss caused by disease, Area in district 8223 ha, productivity 2.96 q/ha*	4	4
Integrated Pest Management				
Integrated Crop Management				
Integrated Disease Management				
Small Scale Income Generation Enterprises				
Weed Management	Chickpea	Effect of weed management on the yield of chickpea	1	4
Resource Conservation Technology				
Farm Machineries				
Integrated Farming System	Tomato	Assessment of weed management and raise bed technique in tomato	1	5
Seed / Plant production				
Post Harvest Technology / Value addition				
Drudgery Reduction	Groundnut	Groundnut decorticator for drugrey reduction	5	5

Storage Technique				
Other - Farming System	*Dhaincha* - Veg.Pea-Wheat	Low income due to existing cropping system (Til-Wheat, urd/moong-Wheat, Fallow- wheat)	4	4
Total				

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	Goat	Assesment of mineral mixture for feeding of goat in Bundelkhand region	4	4
Nutrition Management	Cow	Integrated management of Deshi cow of Bundelkhand region	4	4
Production and Management				
Others (Pl. specify)				
Total			**8**	**8**

Summary of technologies assessed under various enterprises by KVKs

Thematic areas	Enterprise	Name of the technology assessed	No. of trials	No. of farmers
Integrated Pest Management				
Weed Management				
Cropping system				
Different Planting methods				
Drudgery reduction				
Varietal Evaluation				

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 CROP MANAGEMENT

Problem definition: *Low productivity due to poor crop management in tomato*

Technology Assessed or Refined (as the case may be) : *Assessment of Raised bed planting method and weed management techniques.*

Tomato is a popular commercial vegetable crop among vegetable growers in Mahoba district. However, there are poor crop management practices among farmers resulting in yield loss. An On-farm trial to assess raised bed planting method and weed management techniques was conducted by KVK Mahoba during Rabi-2018-19. Maximum marketable yield was recorded in raised bed planting system with plastic mulching (569.60qtls./ha.)

Table Performance of weed management techniques on tomato

Technology Option	*No. of trials*	*Total Yield (qt./ha.)*	*Marketable yield (qt./ha.)*	*Yield increase (%)*	*Net Return (Rs./ha)*	*B:C Ratio*
T1 - Farmers practice (Flat bed)	*5*	*453.60*	*287.50*	*-*	*133540*	*2.38*
T-2 – Raised bed + Fluchloralin		*486.00*	*404.20*	*40.60*	*220660*	*3.14*
T-3 – Raised Bed +Plastic mulching		*602.50*	*569.60*	*49.53*	*318880*	*3.33*

WEED MANAGEMENT

Problem definition: Low yield and poor quality seed due to weed infestation in chickpea.

Technology Assessed or Refined (as the case may be): weed Management in chickpea**.**

KVK, Belatal, Mahoba of Uttar Pradesh conducted on-farm trial to find out the effect of weed management practice to enhance the chickpea productivity. The assessed technology Fluchloralin PPI fb pendimethalin @ 1.5 kg/ha as pre emergence application reduced the weed density (3.67 No.m2).

Table: Effect of treatment in enhancing the yield of chickpea.

Technology Option	No. of trials	Weed Density (No.m^2)	No. of pods per plant	Yield (q/ha)	Net income	B:C Ratio
T_1-Farmers practice (No use of weedicide)	4	21.6	20.1	13.2	36577.00	2.79
T_2 – Fluchloralin (PPI) fb pendimethalin @ 1.5 kg/ha		3.67	42.4	16.8	58149.00	3.71

Cropping System module

Problem definition Low income due to existing cropping system (Til-Wheat, urd/moong-Wheat, Fallow- wheat)
Technology assessed or refined (as the case may be): . Assessment of Profitable Cropping pattern (Green manuring-Vegetable pea- late wheat)
KVK, Belatal, Mahoba of Uttar Pradesh conducted on-farm trial to Assessment of most profitable system under Bundelkhand region of U.P.

Table: Effect of Cropping System module

.

Technology Option	No. of trials	Soil test Results						Yield (q/ha)	Cost of Cultivation (Rs.)	Gross return (Rs.)	Net income (Rs.)	B:C Ratio
		Before			After							
		pH	Ec (dSm^2)	OC (%)	pH	Ec (dSm^2)	OC (%)					
T_1- Control (Fallow-Wheat)	4	6.8	0.30	0.68	6.8	0.30	0.69	Wheat = 18.8	21950	42488	20538	1.94
T_2 Green manuring of *Dhaincha* - Vegetable Pea – Late sown wheat		6.8	0.30	0.30	7.1	0.38	0.74	Veg. pea = 22.91 Late wheat =26.64	22224 20224	60206 54984	Veg. pea = 37982 Late wheat = 34760 **Total net income 72742**	2.71

Drudgery Reduction

Problem definition: *High level of drudgery among farm women, consumption of time and labour cost*

Technology Assessed or Refined (as the case may be): *Assessment of groundnut decorticator for drudgery reduction among farm women*

Groundnut is one of the most important crops in district. To obtain grain from groundnut manually lot of labour and time required. To minimize drudgery and also to save time manually operated groundnut decorticator was assessed which was very effective and less time taking. For decortication of one quintal groundnut only 1.45 hr. required this was very less in comparison of manual decortication 90hrs.

Table: Drudgery Reduction among Farm Women

Technology Option	*No. of trials*	*Time consumed (hr/q)*	*Damaged seed yield (%)*	*Heart rate (beats/ min)*	*Labour cost (Rs.)*
T1 – Farmers practice (manually)	***5***	***90***	***3.2***	***108***	***2900.00***
T2 – Groundnut decorticator		***1.50***	***4.7***	***120***	***170.00***

Varietal Evaluation

Problem definition: *Evaluation of onion variety for kharif season*

Technology Assessed or Refined (as the case may be) : *Assessment of suitable onion varieties for kharif season*

A varietal evaluation of Onion was undertaken by KVK, Mahoba to assess the performance of three varieties namely NHRDF L-883, Bhima Super, & Bhima dark red for kharif season during Kharif- 2019. Sowing in main field was done in the second fortnight of July. Among these varieties Bhima dark red produced highest marketable yield (198.67qtls) followed by Bhima Super (183.85qtls). The highest bulb weight was recorded in Bhima dark red (104.36 g) .Maximum net return (Rs.163138/ha) and best B:C ratio (2.41) was also recorded in Bhima dark red variety**.**

Table Performance of Okra crop

Technology Option	*No. of trials*	*Bulb weight(g)*	*Yield (qt./ha)*	*Net Return (Rs./ha)*	*B:C Ratio*
T_1 = *NHRDF L-883*	5	*93.57*	*178.44*	*136416.00*	*2.20*
T_2 = *Bhima Super*		*98.20*	*183.85*	*142390.00*	*2.24*
T_3 = *Bhima dark red*		*104.36*	*198.67*	*163138.00*	*2.41*

Varietal Evaluation

Problem definition: *Low yield due to poor quality of seed ,YMV infestation.*

Technology Assessed or Refined (as the case may be) : *Assessment of varieties on growth and yield of Urd bean Under Bundelkhand Region.*

Table Performance of crop

Technology Option	*No. of trials*	*Bulb weight(g)*	*Yield (qt./ha)*	*Net Return (Rs./ha)*	*B:C Ratio*
Result failed due to heavy rainfall.					

Varietal Evaluation

Problem definition: *Low yield due to loss caused by disease, Area in district 8223 ha, productivity 2.96 q/ha*

Technology Assessed or Refined (as the case may be) : *Assessment of management practice of Cercospora leaf spot in kharif mungbe**an.***

Table Performance of crop

Technology Option	*No. of trials*	*Bulb weight(g)*	*Yield (qt./ha)*	*Net Return (Rs./ha)*	*B:C Ratio*
Result failed due to heavy rainfall.					

II. FRONTLINE DEMONSTRATION

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

List of technologies demonstrated during previous year and popularized during 2016-17 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.	Sesame	Nutrient Management	Use of Sulphur @ 20 kg/ha	Due to deficiency of sulphur in soil and its importance in oilseeds it need to be popularized	15	175	250
2.	Chick pea	ICM	Full package of practices for crop cultivation	Due to major pulse crop of the district it must be includes in demonstration	8	65	40

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

b. Details of FLDs implemented during **2019-20** (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. Oilseeds

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.	Sesame	ICM/Varietal evaluation	ICM	*Kharif* , 2019-20	10	25	02	23	25	
2.	Groundnut	Varietal evaluation	Seed Treatment	*Kharif* , 2019-20	20	20	03	47	50	
3.	Mustard	ICM/Varietal evaluation	ICM	*Rabi* , 2019-20	20	20	09	41	50	

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.	Black gram	ICM/Varietal evaluation	ICM	*Kharif*, 2019-20	10	10	0	25	25	
2.	Green gram	ICM/Varietal evaluation	ICM	*Kharif*, 2019-20	10	10	02	23	25	
3.	Chick pea	ICM/Varietal evaluation	ICM	*Rabi*, 2019-20	10	10	03	22	25	
4.	Field pea	ICM/Varietal evaluation	ICM	*Rabi*, 2019-20	10	10	03	22	25	
5.	Pigeon pea	ICM/Varietal evaluation	Improved Variety	*Kharif*, 2019-20	10	10	02	23	25	
6.	Lentil	ICM/Varietal evaluation	Improved Variety	*Rabi*, 2019-20	10	10	03	22	25	

C. Other than Oil seed & 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.	Cow Pea	Varietal evaluation	Improved Variety- Kashi Kanchan	*Zaid*, 2018-19	1	0.5	2	18	20	
2.	Wheat	Varietal evaluation	Improved Variety	*Rabi*, 2019-20	10	10	3	22	25	
3.	Barley	Varietal evaluation	Improved Variety	*Rabi*, 2019-20	6	6	5	15	20	
4..	Fodder	Fodder cultivation	Improved Variety-Jowar (Sonal SSG)	*Zaid*, 2019-20	2	2.0	02	21	23	
5	Tomato	Varietal evaluation	F1 Hyb. Arka Samrat	*Rabi 2019-20*	2	2.2				

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* , 2019-20	Rainfed	Mar and Kabar	Low	Low	Medium	Chickpea	05.07.2019-15.07.2019	22.09.2019 – 29.09.2019	605.8	23
Groundnut	*Kharif* , 2019-20	Rainfed	Mar and Kabar	Low	Low	Medium	Mustard	01.07.2019-10.07.2019	12.10.2019 – 23.10.2019	605.8	23
Pigeon Pea	*Kharif* , 2019-20	Rainfed	Mar and Kabar	Low	Low	Medium	Mustard	02.07.2019-10.07.2019		687.6	25
Mustard	*Rabi* , 2019-20	Irrigated	Mar and Kabar	Low	Low	Medium	Sesame	01.11.2019-10.11.2019			
Black gram	*Kharif*, 2019-20	Rainfed	Mar and Kabar	Low	Low	Medium	Wheat	07.07.2019-15.07.2019	15.09.2019 – 20.09.2019	605.8	23
Moong	*Zaid*, 2019-20	Rainfed	Mar and Kabar	Low	Low	Medium	Wheat	07.07.2019-15.07.2019	05.09.2019 – 12.09.2019	605.8	23
Chickpea	*Rabi* , 2019-20	Irrigated	Mar and Kabar	Low	Low	Medium	Sesame	25.10.2019-05.11.2019			

Field pea	*Rabi* , 2019-20	Irrigated	Mar and Kabar	Low	Low	Medium	Sesame	25.10.2019-05.11.2019			
Cowpea	*Summer*, 2019	Irrigated	Mar and Kabar	Low	Low	High		18.06.2019-23.06.2019	12.08.2019-19.09.2019		
Tomato	*Rabi,2019-20*	Irrigated	Mar and Kabar	Low	Low	High		08.11.2019			
Wheat	*Rabi* , 2019-20	Irrigated	Mar and Kabar	Low	Low	Medium	Sesame	15.11.2019-30.11.2019			
Barley	*Rabi* , 2019-20	Irrigated	Mar and Kabar	Low	Low	Medium	Sesame	15.11.2019-30.11.2019			

Technical Feedback on the demonstrated technologies

S. No	**Feed Back**
1. Pigeonpea	Results awaited
2. Chickpea	Results awaited
3. Field Pea	Results awaited
4. Sesame	Crop damaged due to continuous rains at the time of maturity .
5. Groundnut	
6. Mustard	Results awaited
7. Black gram	Crop damaged due to continuous rains at the time of maturity .
8. Green gram	Crop damaged due to continuous rains at the time of maturity .
9. Wheat	Results awaited
10. Barley	Results awaited
11. Tomato	Results awaited

Farmers' reactions on specific technologies

S. No	**Feed Back**
1. Pigeon pea	Demonstrated variety TJT 501 bears more number of pods and yield over farmers practice variety.
2. Chickpea	Demonstrated variety JG14 bears more number of pods and yield over farmers practice variety.
3. Field Pea	Demonstrated variety IPFD10-12 bears more number of pods and yield over traditional variety.
4. Sesame	Demonstrated variety RT 351 and Pragti bears more number of pods and yield over traditional variety.
5. Groundnut	Demonstrated variety (Kaushal) and Seed treatment bears more number of pods and yield over farmers practice variety.
6. Mustard	Demonstrated variety Giriraj bears more number of branches and siliqua and yield over farmers practice variety.
7. Black gram	Demonstrated variety bears more number of pods and yield over farmers practice variety.
8. Moong	Demonstrated variety bears more number of pods and yield over farmers practice variety.
9. Wheat	Demonstrated variety bears more number of tillers s and yield over farmers practice variety.
10. Barley	Demonstrated variety bears more number of tillers, bold seeded and yield over traditional variety.

Extension and Training activities under FLD

Sl. No.	Activity	No. of activities organized	Date	Number of participants	Remarks
1	Field days	08	25.09.2109 26.09.2019 27.09.2019 30.09.2019 11.03.2020 13.03.2020 14.03.2020 15.03.2020	32 35 40 38 40 41 35 40	
2	Farmers Training	02	02.07.2019 03.07.2019	28 23	
3	Media coverage	09	15.02.2019 14.03.2019 18.09.2019 21.09.2019 15.10.2019 23.10.2019 25.10.2019 06.12.2019 24.12.2019		
4	Training for extension functionaries				

Performance of Frontline demonstrations

Frontline demonstrations on oilseed crops

Crop	Thematic Area	technology demonstrated	Variety	No. of Farmers	Area (ha)	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	**Varietal evaluation**	Seed Treatment	Kaushal	**50**	**20**	50	20.00	19.20	14.50	**32.41**	**41500.00**	**97728.00**	56228.00	2.35	39500.00	73805.00	34305.00	1.87
Sesamum	**Varietal evaluation**	Use of improved variety and management	Pragati	**25**	**10**			Crop damaged										
Mustard	**Varietal evaluation**	Use of improved variety and management	**Giriraj**	**75**	**30**			Results awaited										
Toria																		
Linseed																		
Sunflower																		
Soybean																		

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

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	**Varietal evaluation**	Use of improved variety and management	TJT - 501	25	10	Result awaited												
Black gram	**Varietal evaluation**	Use of improved variety and management	Uttra	25	10			Damaged due to continuous rains	at the time of maturity									
Green gram	**Varietal evaluation**	Use of improved variety and management	IPM2-3	25	10			Damaged due to continuous rains	at the time of maturity									
Chickpea	**Varietal evaluation**	Use of improved variety and management	**JG-14**	**25**	**10**	Result awaited												
Chickpea (DAC-IIPR)	**Varietal evaluation**	Use of improved variety and management	**RVG-202 RVG-203 JG-14**	**30**	**12**													
Fieldpea	**Varietal evaluation**	Use of improved variety and management	**IPFD 10-12**	**25**	**10**	Result awaited												
Lentil	**Varietal evaluation**	Use of improved variety and management	**IPL 316**	**25**	**10**	Result awaited												

Horsegram																		

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

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																			
Wheat Timely sown	**Varietal evaluation**	Use of improved variety and management-	25	10															
Wheat Late Sown																			
Mandua																			

Barley	**Varietal evaluation**	Use of improved variety(BHS 400) and management	20	6															
Maize																			
Amaranth																			
Millets																			
Jowar																			
Bajra																			
Barnyard millet																			
Finger millet																			
Vegetables																			
Bottlegourd																			
Bittergourd																			
Cowpea																			
Spongegourd																			
Petha																			
Tomato	**Varietal Evaluation**	**Arka samrat**	20	2.2	Result Awaited														

Frenchbean																			
Capsicum																			
Chilli																			
Brinjal																			
Vegetable pea																			
Softgourd																			
Okra																			
Colocasia (Arvi)																			
Broccoli																			
Cucumber																			
Onion																			
Coriender																			
Lettuce																			
Cabbage																			
Cauliflower																			
Elephant fruit																			

Flower crops																			
Marigold																			
Bela																			
Tuberose																			
Gladiolus																			
Fruit crops																			
Mango																			
Strawberry																			
Guava																			
Banana																			
Papaya																			
Muskmelon																			
Watermelon																			
Spices & condiments																			
Ginger																			
Garlic																			
Turmeric																			

Commercial Crops																		
Sugarcane																		
Potato																		
Medicinal & aromatic plants																		
Mentholment																		
Kalmegh																		
Ashwagandha																		
Fodder Crops																		
Sorghum (F)			23	2.0			525	-				26800	53250	26450	1.98			
Cowpea (F)			20	0.50	118	64.0	99.2	74	34	-	-	48000.00	99200.00	51200.00	2.07	44000.00	74000.00	30000.00	1.68
Maize (F)																		
Lucern																		
Berseem			10	**0.5**			**950**	**730**	**30.13**			**40325**	**95000**	**54675**	**2.35**				
Berseem																		
Oat (F)			10	0.5			730	525	39			30000	58400	28400	1.94				
Oat																		

* 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																	
Sheep & Goat																	
Vaccination																	

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

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

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 (Q)		% 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)
Vegetables – *Kharif* , *Rabi* and summer	Nutritional garden	Nutritional garden	71	71 (1.0 ha)	7.52	-	100			1980.00	7520.00	5540.00	3.8				

FLD on Demonstration details on crop hybrids *(Details of Hybrid FLDs implemented during* **2018-19***)*

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	**Vegetables Kit**	**Loki, Pumpkin, Cucumber,**	**10**										
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	1	8		8	7	0	7	15	0	15
Resource Conservation Technologies				0			0	0	0	0
Cropping Systems				0			0	0	0	0
Crop Diversification				0			0	0	0	0
Integrated Farming				0			0	0	0	0
Micro Irrigation/irrigation				0			0	0	0	0
Seed production	5	66	6	72	24	19	43	90	25	115
Nursery management				0			0	0	0	0
Integrated Crop Management				0			0	0	0	0
Soil & water conservatioin				0			0	0	0	0
Integrated nutrient management				0			0	0	0	0
Production of organic inputs				0			0	0	0	0
Others (pl specify)			0	0		0	0	0	0	0
Total	**6**	**74**	**6**	**80**	**31**	**19**	**50**	**105**	**25**	**130**
II Horticulture										
a) Vegetable Crops										
Production of low value and high valume crops	2	35	1	36	0	2	2	35	3	38
Off-season vegetables	2	21	12	33	5	6	11	26	18	44
Nursery raising				0			0	0	0	0
Exotic vegetables				0			0	0	0	0
Export potential vegetables				0			0	0	0	0
Grading and standardization				0			0	0	0	0
Protective cultivation				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total (a)	4	56	13	69	5	8	13	61	21	82
b) Fruits										
Training and Pruning				0			0	0	0	0
Layout and Management of Orchards	1	12	4	16	0	8	8	12	12	24
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				0			0	0	0	0
Plant propagation techniques	1	20	1	21	5	1	6	25	2	27
Others (pl specify)				0			0	0	0	0
Total (b)	**2**	**32**	**5**	**37**	**5**	**9**	**14**	**37**	**14**	**51**
c) Ornamental Plants										
Nursery Management				0			0	0	0	0
Management of potted plants				0			0	0	0	0
Export potential of ornamental plants				0			0	0	0	0
Propagation techniques of Ornamental Plants				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total (c)	0	0	0	0	0	0	0	0	0	0
d) Plantation crops										
Production and Management technology				0			0	0	0	0
Processing and value addition				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total (d)	0	0	0	0	0	0	0	0	0	0
e) Tuber crops										

Production and Management technology				0			0	0	0	0
Processing and value addition				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total (e)	0	0	0	0	0	0	0	0	0	0
f) Spices										
Production and Management technology				0			0	0	0	0
Processing and value addition				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total (f)	0	0	0	0	0	0	0	0	0	0
g) Medicinal and Aromatic Plants										
Nursery management	0			0			0	0	0	0
Production and management technology				0			0	0	0	0
Post harvest technology and value addition				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total (g)	0	0	0	0	0	0	0	0	0	0
GT (a-g)	**6**	**88**	**18**	**106**	**10**	**17**	**27**	**98**	**35**	**133**
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	1	8	2	10	5	1	6	13	3	16
Production and use of organic inputs				0			0	0	0	0
Management of Problematic soils				0			0	0	0	0
Micro nutrient deficiency in crops				0			0	0	0	0
Nutrient Use Efficiency				0			0	0	0	0
Balance use of fertilizers				0			0	0	0	0
Soil and Water Testing				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total	**1**	**8**	**2**	**10**	**5**	**1**	**6**	**13**	**3**	**16**
IV Livestock Production and Management										
Dairy Management				0			0	0	0	0
Poultry Management				0			0	0	0	0
Piggery Management				0			0	0	0	0
Rabbit Management				0			0	0	0	0
Animal Nutrition Management				0			0	0	0	0
Disease Management				0			0	0	0	0
Feed & fodder technology	1	3	0	3	13	4	17	16	4	20
Production of quality animal products				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total	**1**	**3**	**0**	**3**	**13**	**4**	**17**	**16**	**4**	**20**
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	1	12	0	12	1	5	6	13	5	18
Design and development of low/minimum cost diet	1		8	8		7	7	0	15	15
Designing and development for high nutrient efficiency diet				0			0	0	0	0
Minimization of nutrient loss in processing				0			0	0	0	0
Processing and cooking				0			0	0	0	0
Gender mainstreaming through SHGs				0			0	0	0	0
Storage loss minimization techniques				0			0	0	0	0
Value addition				0			0	0	0	0
Women empowerment				0			0	0	0	0
Location specific drudgery reduction technologies				0			0	0	0	0

Rural Crafts	1	0	24	24	0	5	5	0	29	29
Women and child care	1	6	8	14	0	8	8	6	16	22
Others (pl specify)	1	2	5	7	0	15	15	2	20	22
Total	**5**	**20**	**45**	**65**	**1**	**40**	**41**	**21**	**85**	**106**
VI Agril. Engineering										
Farm Machinary and its maintenance				0			0	0	0	0
Installation and maintenance of micro irrigation systems				0			0	0	0	0
Use of Plastics in farming practices				0			0	0	0	0
Production of small tools and implements				0			0	0	0	0
Repair and maintenance of farm machinery and implements				0			0	0	0	0
Small scale processing and value addition				0			0	0	0	0
Post Harvest Technology				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
VII Plant Protection										
Integrated Pest Management	3	67	0	67	4	0	4	71	0	71
Integrated Disease Management	3	68	2	70	26	9	35	94	11	105
Bio-control of pests and diseases	1	1	0	1	19	5	24	20	5	25
Production of bio control agents and bio pesticides				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total	**7**	**136**	**2**	**138**	**49**	**14**	**63**	**185**	**16**	**201**
VIII Fisheries										
Integrated fish farming				0			0	0	0	0
Carp breeding and hatchery management	0			0			0	0	0	0
Carp fry and fingerling rearing	0			0			0	0	0	0
Composite fish culture				0			0	0	0	0
Hatchery management and culture of freshwater prawn				0			0	0	0	0
Breeding and culture of ornamental fishes				0			0	0	0	0
Portable plastic carp hatchery				0			0	0	0	0
Pen culture of fish and prawn				0			0	0	0	0
Shrimp farming				0			0	0	0	0
Edible oyster farming				0			0	0	0	0
Pearl culture				0			0	0	0	0
Fish processing and value addition				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
IX Production of Inputs at site										
Seed Production	1	7		7	8		8	15	0	15
Planting material production				0			0	0	0	0
Bio-agents production				0			0	0	0	0
Bio-pesticides production				0			0	0	0	0
Bio-fertilizer production				0			0	0	0	0
Vermi-compost production				0			0	0	0	0
Organic manures production	1	8		8			0	8	0	8
Production of fry and fingerlings				0			0	0	0	0
Production of Bee-colonies and wax sheets				0			0	0	0	0
Small tools and implements				0			0	0	0	0
Production of livestock feed and fodder				0			0	0	0	0
Production of Fish feed				0			0	0	0	0
Mushroom Production				0			0	0	0	0
Apiculture				0			0	0	0	0
Others (pl specify)				0			0	0	0	0

Total	**2**	**15**	**0**	**15**	**8**	**0**	**8**	**23**	**0**	**23**
X Capacity Building and Group Dynamics										
Leadership development	1	11	4	15	5	3	8	16	7	23
Group dynamics				0			0	0	0	0
Formation and Management of SHGs				0			0	0	0	0
Mobilization of social capital				0			0	0	0	0
Entrepreneurial development of farmers/youths				0			0	0	0	0
WTO and IPR issues				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total	**1**	**11**	**4**	**15**	**5**	**3**	**8**	**16**	**7**	**23**
XI Agro-forestry										
Production technologies				0			0	0	0	0
Nursery management				0			0	0	0	0
Integrated Farming Systems				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
GRAND TOTAL	**29**	**355**	**77**	**432**	**122**	**98**	**220**	**477**	**175**	**652**

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	c	72	10	82	26	8	34	98	18	116
Resource Conservation Technologies				0			0	0	0	0
Cropping Systems				0			0	0	0	0
Crop Diversification				0			0	0	0	0
Integrated Farming				0			0	0	0	0
Micro Irrigation/irrigation				0			0	0	0	0
Seed production	2	6	0	6	25	22	47	31	22	53
Nursery management				0			0	0	0	0
Integrated Crop Management				0			0	0	0	0
Soil & water conservatioin	1	6	2	8	7	1	8	13	3	16
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**	**84**	**12**	**96**	**58**	**31**	**89**	**142**	**43**	**185**
II Horticulture										
a) Vegetable Crops										
Production of low value and high valume crops	1	23	0	23	2	0	2	25	0	25
Off-season vegetables	1	19	0	19	2	0	2	21	0	21
Nursery raising	1	17	0	17	7	0	7	24	0	24
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)	3	45	7	52	24	3	27	69	10	79
Total (a)	6	104	7	111	35	3	38	139	10	149
b) Fruits										
Training and Pruning				0			0	0	0	0
Layout and Management of Orchards	1	16	2	18	2	0	2	18	2	20
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				0			0	0	0	0
Plant propagation techniques	1	17	3	20	2	0	2	19	3	22
Others (pl specify)				0			0	0	0	0

Total (b)	2	33	5	38	4	0	4	37	5	42
c) Ornamental Plants										
Nursery Management				0			0	0	0	0
Management of potted plants				0			0	0	0	0
Export potential of ornamental plants				0			0	0	0	0
Propagation techniques of Ornamental Plants				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total (c)	0	0	0	0	0	0	0	0	0	0
d) Plantation crops										
Production and Management technology				0			0	0	0	0
Processing and value addition				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total (d)	0	0	0	0	0	0	0	0	0	0
e) Tuber crops										
Production and Management technology				0			0	0	0	0
Processing and value addition				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total (e)	0	0	0	0	0	0	0	0	0	0
f) Spices										
Production and Management technology				0			0	0	0	0
Processing and value addition				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total (f)	0	0	0	0	0	0	0	0	0	0
g) Medicinal and Aromatic Plants										
Nursery management	0			0			0	0	0	0
Production and management technology				0			0	0	0	0
Post harvest technology and value addition				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total (g)	0	0	0	0	0	0	0	0	0	0
GT (a-g)	**8**	**137**	**12**	**149**	**39**	**3**	**42**	**176**	**15**	**191**
III Soil Health and Fertility Management										
Soil fertility management				0			0	0	0	0
Integrated water management	1	6	4	10	15	0	15	21	4	25
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	31	0	31	17	1	18	48	1	49
Others (pl specify)				0			0	0	0	0
Total	**3**	**37**	**4**	**41**	**32**	**1**	**33**	**69**	**5**	**74**
IV Livestock Production and Management										
Dairy Management	2	47	21	68	4	0	4	51	21	72
Poultry Management	1	22	2	24	5	0	5	27	2	29
Piggery Management				0			0	0	0	0
Rabbit Management				0			0	0	0	0
Animal Nutrition Management				0			0	0	0	0
Disease Management	3	38	4	42	12	0	12	50	4	54
Feed & fodder technology				0			0	0	0	0
Production of quality animal products				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total	**6**	**107**	**27**	**134**	**21**	**0**	**21**	**128**	**27**	**155**
V Home Science/Women										

empowerment										
Household food security by kitchen gardening and nutrition gardening				0			0	0	0	0
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	6	12	18	10	0	10	16	12	28
Processing and cooking				0			0	0	0	0
Gender mainstreaming through SHGs				0			0	0	0	0
Storage loss minimization techniques				0			0	0	0	0
Value addition				0			0	0	0	0
Women empowerment	1		9	9		8	8	0	17	17
Location specific drudgery reduction technologies				0			0	0	0	0
Rural Crafts				0			0	0	0	0
Women and child care				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total	**2**	**6**	**21**	**27**	**10**	**8**	**18**	**16**	**29**	**45**
VI Agril. Engineering										
Farm Machinary and its maintenance				0			0	0	0	0
Installation and maintenance of micro irrigation systems				0			0	0	0	0
Use of Plastics in farming practices				0			0	0	0	0
Production of small tools and implements				0			0	0	0	0
Repair and maintenance of farm machinery and implements				0			0	0	0	0
Small scale processing and value addition				0			0	0	0	0
Post Harvest Technology				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
VII Plant Protection										
Integrated Pest Management	2	17	4	21	16	8	24	33	12	45
Integrated Disease Management	1	14	1	15	4	3	7	18	4	22
Bio-control of pests and diseases				0			0	0	0	0
Production of bio control agents and bio pesticides				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total	**3**	**31**	**5**	**36**	**20**	**11**	**31**	**51**	**16**	**67**
VIII Fisheries										
Integrated fish farming				0			0	0	0	0
Carp breeding and hatchery management				0			0	0	0	0
Carp fry and fingerling rearing				0			0	0	0	0
Composite fish culture				0			0	0	0	0
Hatchery management and culture of freshwater prawn				0			0	0	0	0
Breeding and culture of ornamental fishes				0			0	0	0	0
Portable plastic carp hatchery				0			0	0	0	0
Pen culture of fish and prawn				0			0	0	0	0
Shrimp farming				0			0	0	0	0
Edible oyster farming				0			0	0	0	0
Pearl culture				0			0	0	0	0
Fish processing and value addition				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
IX Production of Inputs at site										
Seed Production				0			0	0	0	0

Planting material production				0			0	0	0	0
Bio-agents production				0			0	0	0	0
Bio-pesticides production	1	8	2	10	3	3	6	11	5	16
Bio-fertilizer production				0			0	0	0	0
Vermi-compost production				0			0	0	0	0
Organic manures production				0			0	0	0	0
Production of fry and fingerlings				0			0	0	0	0
Production of Bee-colonies and wax sheets				0			0	0	0	0
Small tools and implements				0			0	0	0	0
Production of livestock feed and fodder				0			0	0	0	0
Production of Fish feed				0			0	0	0	0
Mushroom Production				0			0	0	0	0
Apiculture				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total	**1**	**8**	**2**	**10**	**3**	**3**	**6**	**11**	**5**	**16**
X Capacity Building and Group Dynamics										
Leadership development	1	15	5	20	8	0	8	23	5	28
Group dynamics	2	42	2	44	6	0	6	48	2	50
Formation and Management of SHGs				0			0	0	0	0
Mobilization of social capital	3	64	6	70	7	0	7	71	6	77
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	**6**	**121**	**13**	**134**	**21**	**0**	**21**	**142**	**13**	**155**
XI Agro-forestry										
Production technologies				0			0	0	0	0
Nursery management				0			0	0	0	0
Integrated Farming Systems				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
GRAND TOTAL	**37**	**531**	**96**	**627**	**204**	**57**	**261**	**735**	**153**	**888**

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	80	10	90	33	8	41	113	18	131
Resource Conservation Technologies	0	0	0	0	0	0	0	0	0	0
Cropping Systems	0	0	0	0	0	0	0	0	0	0
Crop Diversification	0	0	0	0	0	0	0	0	0	0
Integrated Farming	0	0	0	0	0	0	0	0	0	0
Micro Irrigation/irrigation	0	0	0	0	0	0	0	0	0	0
Seed production	7	72	6	78	49	41	90	121	47	168
Nursery management	0	0	0	0	0	0	0	0	0	0
Integrated Crop Management	0	0	0	0	0	0	0	0	0	0
Soil & water conservatioin	1	6	2	8	7	1	8	13	3	16
Integrated nutrient management	0	0	0	0	0	0	0	0	0	0
Production of organic inputs	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**14**	**158**	**18**	**176**	**89**	**50**	**139**	**247**	**68**	**315**
II Horticulture										
a) Vegetable Crops										
Production of low value and high valume crops	3	58	1	59	2	2	4	60	3	63
Off-season vegetables	3	40	12	52	7	6	13	47	18	65

Nursery raising	1	17	0	17	7	0	7	24	0	24
Exotic vegetables	0	0	0	0	0	0	0	0	0	0
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)	3	45	7	52	24	3	27	69	10	79
Total (a)	**10**	**160**	**20**	**180**	**40**	**11**	**51**	**200**	**31**	**231**
b) Fruits										
Training and Pruning	0	0	0	0	0	0	0	0	0	0
Layout and Management of Orchards	2	28	6	34	2	8	10	30	14	44
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	0	0	0	0	0	0	0	0	0	0
Export potential fruits	0	0	0	0	0	0	0	0	0	0
Micro irrigation systems of orchards	0	0	0	0	0	0	0	0	0	0
Plant propagation techniques	2	37	4	41	7	1	8	44	5	49
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total (b)	**4**	**65**	**10**	**75**	**9**	**9**	**18**	**74**	**19**	**93**
c) Ornamental Plants										
Nursery Management	0	0	0	0	0	0	0	0	0	0
Management of potted plants	0	0	0	0	0	0	0	0	0	0
Export potential of ornamental plants	0	0	0	0	0	0	0	0	0	0
Propagation techniques of Ornamental Plants	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total (c)	0	0	0	0	0	0	0	0	0	0
d) Plantation crops										
Production and Management technology	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total (d)	0	0	0	0	0	0	0	0	0	0
e) Tuber crops										
Production and Management technology	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total (e)	0	0	0	0	0	0	0	0	0	0
f) Spices										
Production and Management technology	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total (f)	0	0	0	0	0	0	0	0	0	0
g) Medicinal and Aromatic Plants										
Nursery management	0	0	0	0	0	0	0	0	0	0
Production and management technology	0	0	0	0	0	0	0	0	0	0
Post harvest technology and value addition	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total (g)	0	0	0	0	0	0	0	0	0	0
GT (a-g)	**14**	**225**	**30**	**255**	**49**	**20**	**69**	**274**	**50**	**324**
III Soil Health and Fertility Management										
Soil fertility management	0	0	0	0	0	0	0	0	0	0
Integrated water management	1	6	4	10	15	0	15	21	4	25
Integrated Nutrient Management	1	8	2	10	5	1	6	13	3	16
Production and use of organic inputs	0	0	0	0	0	0	0	0	0	0
Management of Problematic soils	0	0	0	0	0	0	0	0	0	0
Micro nutrient deficiency in crops	0	0	0	0	0	0	0	0	0	0
Nutrient Use Efficiency	0	0	0	0	0	0	0	0	0	0

Balance use of fertilizers	0	0	0	0	0	0	0	0	0	0
Soil and Water Testing	2	31	0	31	17	1	18	48	1	49
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**4**	**45**	**6**	**51**	**37**	**2**	**39**	**82**	**8**	**90**
IV Livestock Production and Management										
Dairy Management	2	47	21	68	4	0	4	51	21	72
Poultry Management	1	22	2	24	5	0	5	27	2	29
Piggery Management	0	0	0	0	0	0	0	0	0	0
Rabbit Management	0	0	0	0	0	0	0	0	0	0
Animal Nutrition Management	0	0	0	0	0	0	0	0	0	0
Disease Management	3	38	4	42	12	0	12	50	4	54
Feed & fodder technology	1	3	0	3	13	4	17	16	4	20
Production of quality animal products	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**7**	**110**	**27**	**137**	**34**	**4**	**38**	**144**	**31**	**175**
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	1	12	0	12	1	5	6	13	5	18
Design and development of low/minimum cost diet	1	0	8	8	0	7	7	0	15	15
Designing and development for high nutrient efficiency diet	0	0	0	0	0	0	0	0	0	0
Minimization of nutrient loss in processing	1	6	12	18	10	0	10	16	12	28
Processing and cooking	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0
Women empowerment	1	0	9	9	0	8	8	0	17	17
Location specific drudgery reduction technologies	0	0	0	0	0	0	0	0	0	0
Rural Crafts	1	0	24	24	0	5	5	0	29	29
Women and child care	1	6	8	14	0	8	8	6	16	22
Others (pl specify)	1	2	5	7	0	15	15	2	20	22
Total	**7**	**26**	**66**	**92**	**11**	**48**	**59**	**37**	**114**	**151**
VI Agril. Engineering										
Farm Machinary and its maintenance	0	0	0	0	0	0	0	0	0	0
Installation and maintenance of micro irrigation systems	0	0	0	0	0	0	0	0	0	0
Use of Plastics in farming practices	0	0	0	0	0	0	0	0	0	0
Production of small tools and implements	0	0	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0
Small scale processing and value addition	0	0	0	0	0	0	0	0	0	0
Post Harvest Technology	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
VII Plant Protection										
Integrated Pest Management	5	84	4	88	20	8	28	104	12	116
Integrated Disease Management	4	82	3	85	30	12	42	112	15	127
Bio-control of pests and diseases	1	1	0	1	19	5	24	20	5	25
Production of bio control agents and bio pesticides	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**10**	**167**	**7**	**174**	**69**	**25**	**94**	**236**	**32**	**268**
VIII Fisheries										
Integrated fish farming	0	0	0	0	0	0	0	0	0	0
Carp breeding and hatchery	0	0	0	0	0	0	0	0	0	0

management										
Carp fry and fingerling rearing	0	0	0	0	0	0	0	0	0	0
Composite fish culture	0	0	0	0	0	0	0	0	0	0
Hatchery management and culture of freshwater prawn	0	0	0	0	0	0	0	0	0	0
Breeding and culture of ornamental fishes	0	0	0	0	0	0	0	0	0	0
Portable plastic carp hatchery	0	0	0	0	0	0	0	0	0	0
Pen culture of fish and prawn	0	0	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0	0	0
Edible oyster farming	0	0	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0	0	0
Fish processing and value addition	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
IX Production of Inputs at site										
Seed Production	1	7	0	7	8	0	8	15	0	15
Planting material production	0	0	0	0	0	0	0	0	0	0
Bio-agents production	0	0	0	0	0	0	0	0	0	0
Bio-pesticides production	1	8	2	10	3	3	6	11	5	16
Bio-fertilizer production	0	0	0	0	0	0	0	0	0	0
Vermi-compost production	0	0	0	0	0	0	0	0	0	0
Organic manures production	1	8	0	8	0	0	0	8	0	8
Production of fry and fingerlings	0	0	0	0	0	0	0	0	0	0
Production of Bee-colonies and wax sheets	0	0	0	0	0	0	0	0	0	0
Small tools and implements	0	0	0	0	0	0	0	0	0	0
Production of livestock feed and fodder	0	0	0	0	0	0	0	0	0	0
Production of Fish feed	0	0	0	0	0	0	0	0	0	0
Mushroom Production	0	0	0	0	0	0	0	0	0	0
Apiculture	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**3**	**23**	**2**	**25**	**11**	**3**	**14**	**34**	**5**	**39**
X Capacity Building and Group Dynamics										
Leadership development	2	26	9	35	13	3	16	39	12	51
Group dynamics	2	42	2	44	6	0	6	48	2	50
Formation and Management of SHGs	0	0	0	0	0	0	0	0	0	0
Mobilization of social capital	3	64	6	70	7	0	7	71	6	77
Entrepreneurial development of farmers/youths	0	0	0	0	0	0	0	0	0	0
WTO and IPR issues	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**7**	**132**	**17**	**149**	**26**	**3**	**29**	**158**	**20**	**178**
XI Agro-forestry										
Production technologies	0	0	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0	0	0
Integrated Farming Systems	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
GRAND TOTAL	**66**	**886**	**173**	**1059**	**326**	**155**	**481**	**1212**	**328**	**1540**

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	1	16	0	16	2	6	8	18	6	24
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	0			0			0	0	0	0
Production of organic inputs	1	15	0	15	0	0	0	15	0	15
Planting material production	0			0			0	0	0	0
Vermi-culture	0			0			0	0	0	0
Mushroom Production	1	11	0	11	4	0	4	15	0	15
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	1	0	2	2	0	14	14	0	16	16
Rural Crafts	0			0			0	0	0	0
Production of quality animal products	0			0			0	0	0	0
Dairying	1	12	0	12	8	0	8	20	0	20
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	**5**	**54**	**2**	**56**	**14**	**20**	**34**	**68**	**22**	**90**

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	0			0			0	0	0	0
Training and pruning of orchards	1	7	2	9	8	2	10	15	4	19
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		12	8		8	20	0	20
Production of organic inputs	0			0			0	0	0	0
Planting material production	0			0			0	0	0	0
Vermi-culture	0			0			0	0	0	0
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	**2**	**19**	**2**	**21**	**16**	**2**	**18**	**35**	**4**	**39**

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	1	16	0	16	2	6	8	18	6	24
Training and pruning of orchards	1	7	2	9	8	2	10	15	4	19
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	8	0	8	20	0	20
Production of organic inputs	1	15	0	15	0	0	0	15	0	15
Planting material production	0	0	0	0	0	0	0	0	0	0
Vermi-culture	0	0	0	0	0	0	0	0	0	0
Mushroom Production	1	11	0	11	4	0	4	15	0	15
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 farm machinery and implements	0	0	0	0	0	0	0	0	0	0
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	1	0	2	2	0	14	14	0	16	16
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	1	12	0	12	8	0	8	20	0	20
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	**7**	**73**	**4**	**77**	**30**	**22**	**52**	**103**	**26**	**129**

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	0
Integrated Pest Management	0			0			0	0	0	0
Integrated Nutrient management	1	15	5	20			0	15	5	20
Rejuvenation of old orchards	0			0			0	0	0	0
Protected cultivation technology	0			0			0	0	0	0
Production and use of organic inputs	1	7	0	7	8	0	8	15	0	15
Care and maintenance of farm machinery and implements	0			0			0	0	0	0
Gender mainstreaming through SHGs	0			0			0	0	0	0
Formation and Management of SHGs	0			0			0	0	0	0
Women and Child care	0			0			0	0	0	0
Low cost and nutrient efficient diet designing	0			0			0	0	0	0
Group Dynamics and farmers organization	0			0			0	0	0	0
Information networking among farmers	0			0			0	0	0	0
Capacity building for ICT application	0			0			0	0	0	0
Management in farm animals	1	8	0	8	2	0	2	10	0	10
Livestock feed and fodder production	0			0			0	0	0	0
Household food security	0			0			0	0	0	0
Any other (pl.specify)	1	6	0	6	7	0	7	13	0	13
TOTAL	**4**	**36**	**5**	**41**	**17**	**0**	**17**	**53**	**5**	**58**

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

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	1	15	5	20	0	0	0	15	5	20
Rejuvenation of old orchards	0	0	0	0	0	0	0	0	0	0
Protected cultivation technology	0	0	0	0	0	0	0	0	0	0
Production and use of organic inputs	1	7	0	7	8	0	8	15	0	15
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	0	0	0	0	0	0	0	0	0	0
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	1	8	0	8	2	0	2	10	0	10
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)	1	6	0	6	7	0	7	13	0	13
TOTAL	**4**	**36**	**5**	**41**	**17**	**0**	**17**	**53**	**5**	**58**

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	1	40	10	50	11	2	13	51	12	63
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	1	35		35		6	6	35	6	0
Methods of protective cultivation	1	35		35		6	6	35	6	0
Others				0			0	0	0	0
Total	2	75	10	85	11	8	19	86	18	104
Post harvest technology and value addition	1	24	3	27	8	5	13	32	8	40
Processing and value addition										
Others (pl. specify)										
Total	1	24	3	27	8	5	13	32	8	40
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 (pl. specify)										
Total										
GRAND TOTAL	3	99	13	112	19	13	32	118	26	144

Name of sponsoring agencies involved

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	1	10		10	10		10	20		20
Seed production										
Sericulture										
Mushroom cultivation										
Nursery, grafting etc.										
Tailoring, stitching, embroidery, dying etc.										
Agril. para-workers, para-vet training										
Others (pl. specify)										
Total	1	10		10	10		10	20		20
Agricultural Extension										
Capacity building and group dynamics	1	12		12	8		8	20		20
Others (pl. specify)	1	12		12	8		8	20		20
Total	2	22		22	18		18	40		40
Grand Total	2	22		22	18		18	40		40

IV. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
Advisory Services	7	2264	8	2272
Diagnostic visits	8	48	15	63
Field Day	8	212		212
Group discussions	2	179	6	185
Kisan Ghosthi	4	879	17	896
Film Show	2	667		667
Self -help groups				0
Kisan Mela	3	1902	38	1940
Exhibition	5	294	37	331
Scientists' visit to farmers field	99	849	23	872
Plant/animal health camps	2	587	8	595
Farm Science Club				0
Ex-trainees Sammelan				0
Farmers' seminar/workshop				0
Method Demonstrations				0
Celebration of important days	3	73		73
Special day celebration	7	505		505
Exposure visits	1	40		40
Farmers Visit to KVK	2	68	8	76
Total	**153**	**8567**	**160**	**8727**

Details of other extension programmes

Particulars	Number
Electronic Media (CD./DVD)	
Extension Literature	16
News paper coverage	18
Popular articles	
Radio Talks	1
TV Talks	
Animal health amps (Number of animals treated)	580
Others (pl. specify)	
Total	**615**

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weather	Marke-ting	Aware-ness	Other enterprise	Total
	Text only	6	2	10	1	5		24
	Voice only							
	Voice & Text both							
	Total Messages	6	2	10	1	5	0	24
	Total farmers Benefitted	15820						

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 organized			
	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	Raj -4120, DBW- 107, DBW -110				
	Barley	BHS -400				
Oilseeds	Sesame			3	45000	
	Mustard					
	Groundnut					
Pulses	Chickpea					
	Field pea					
	Lentil					
	Moong bean					
	Dhaincha			1.0		
Commercial crops						
Vegetables	Onion Bulb	ALR		1.95	1525	
Flower crops						
Spices						
Fodder crop seeds	Berseem					
Fiber crops	*Dhaincha*					
Forest Species						
Others						
Total				**5.95**	**46525**	

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	BNR-B5		2852	1881	13
	Chilli	f1-6102		2100	1290	26
	Tomato	Arka Smarat/Pradhan		18745	14059	93
	Cabbage	Ankur Manas		1600	1120	74
	Cauliflower			2050	1435	74
	Onion	Bhima Super/Bhima Dark Red/L883/ALR		48000	4000	5
Fruits						
	Papaya	Red lady		200		
Ornamental plants	Marigold	Pusa-Narangi,Basanti, Deep,Bahar,Arpita		4000	2000	6
Medicinal and Aromatic	Tulsi			6000		
Plantation						
Spices						
Tuber						
Fodder crop saplings						
Forest Species						
Others						
Total				**85347**	**25785**	**291**

Production of Bio-Products

Bio Products	Name of the bio-product	Quantity Kg	Value (Rs.)	No. of Farmers
Bio Fertilisers	Vermi compost	500	2500	
	Nadep Compost	1000	10000	
Bio-pesticide				
Bio-fungicide				
Bio Agents				
Others				
Total		**1500**	**12500**	

Table: Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers
Dairy animals				
Cows	Sahiwal	1	4500	
Buffaloes				
Calves	Tharparkar	1		
Others (Pl. specify)				
Poultry				
Broilers	Karknath	50	25000	5
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		**52**	**29500**	**5**

VII. DETAILS OF SOIL, WATER AND PLANT ANALYSIS

Samples	No. of Samples	No. of Farmers	No. of Villages	Amount realized (Rs.)
Soil	165	245	27	
Water				
Plant				
Manure				
Others (pl.specify)				
Total				

VIII. SCIENTIFIC ADVISORY COMMITTEE

Name of KVK	Number of SACs conducted
Mahoba	One

IX. NEWSLETTER/MAGAZINE

Name of News letter/Magazine	No. of Copies printed for distribution
Krishi Sandesh	200
Jal Shakti Abhiyan	1000

X. PUBLICATIONS

Category	Number
Research Paper	2
Technical bulletins	4
Technical reports	4
Others (pl. specify)	2
Total	12

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

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

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

Specific Technology:- Seed Treatment through FIR

Name of KVK	**Krishi Vigyan Kendra, Mahoba,U.P.**
Crop and variety	Groundnut and Kaushal
Name of farmer & address	Shri Kalicharan & Bamauri Khurd
Background information about farmer field	**Introduction-** Groundnut is an important oilseed crop in *kharif* season of district Mahoba. The total area under this crop is about 8240 ha with 5.05 q/ha productivity. The average productivity of the crop is very low due to the Improper cultivation practices provided by the farmers. The major factors of the production i.e. soil, quality seed and balance nutrient management and climatic abnormalities. If these factors of production of these particular crop taking into the consideration certainly the productivity of the crop can be increased. Keeping these views KVK conducted field demonstration of Groundnut during *kharif* 2019 and 2020.
Details of technology demonstrated	Seed Treatment with a combi product Thiram+Carboxin @ 2gm/kg seed followed by insecticide Thiametoxam 30% FS@ 10ml/kg seed and Rhizobium 10gm/kg seed
Institutional involvement	Critical input like seed, Weedicide and regular monitoring of demo field by KVK scientists.
Success point	The performance of the technology was very encouraging. The yield was observed in demo plot was 18.5q/ha compared to check 14.5q/ha. The total cost of cultivation was Rs 41500/- in Kaushal and Rs 39500/- in check plot with net profit if Rs. 52665/- in demo and Rs 34305/- in local field respectively.
Farmer feedback	Demonstrated technology gave more yield and minimum infection/infestation of pest & diseases.
Yield (q/ha) - Potential yield of variety - District average (Previous year) - State average (Previous year)	 15-20 q/ha 5.05 q/ha 4.14 q/ha

Performance of technology vis-à-vis Local check (Increase in productivity and returns)

Used Practice	Yield (q/ha)	Gross cost (Rs/ha)	Gross income (Rs/ha)	Net income (Rs/ha)	B:C ratio
Farmer practices	14.5	39500	43805	34305	1.86
Demonstration	18.5	41500	92638	52665	2.23
% Increase	**27.58**				

Quality Photographs: in .jpeg format

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		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	Unit of quantity	Value in Rs.	Number of farmers benefited
01	Seeds		Quintal		
02	Planting materials		Numbers		
03	Livestock		Numbers		
04	Poultry birds		Numbers		
05	Bio-products		Quintals		
06	Others pl. specify				

F. Technology services provided

S. No	Particulars	Number of farmers benefited
01	Soil and water testing	
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	
02	Field days	
03	Workshops / seminars	
04	Technology week	
05	Training programmes	
06	Others pl. specify	

D. Overseeing 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	

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