

PROFORMA FOR PREPARATION OF ANNUAL REPORT (April-2019-March 2020)

APR SUMMARY

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

1. Training Programmes

Clientele	No. of Courses	Male	Female	Total participants
Farmers & farm women	56	1115	05	1120
Rural youths	08	80	-	80
Extension functionaries	17	170	-	170
Sponsored Training	01	50	-	50
Vocational Training	-	-	-	-
Total	82	1415	05	1420

2. Frontline demonstrations

Enterprise	No. of Farmers	Area (ha)	Units/Animals
Oilseeds	50	20	-
Pulses	150	60	-
Cereals	125	38.0	-
Vegetables	-	-	-
Other crops	04	0.4	-
Hybrid crops	-	-	-
Total	329	118.4	-
Livestock & Fisheries			-
Other enterprises			-
Total			-
Grand Total	329	118.4	-

3. Technology Assessment & Refinement

Category	No. of Technology Assessed & Refined	No. of Trials	No. of Farmers
Technology Assessed			
Crops	07	33	33
Livestock			
Various enterprises			
Total	07	33	33
Technology Refined			
Crops			
Livestock			
Various enterprises			
Total			
Grand Total	07	33	33

4. Extension Programmes

Category	No. of Programmes	Total Participants
Extension activities	702	14303
Other extension activities	33	Mass
Total	737	14303

5. Mobile Advisory Services

Name of KVK	Message Type	Type of Messages						Total
		Crop	Livestock	Weather	Marketing	Awareness	Other enterprise	
Moradabad	Text only							
	Voice only	462				Vrietal & Pest		
	Voice & Text both							
	Total Messages							
	Total farmers Benefitted							

6. Seed & Planting Material Production

	Quintal/Number	Value Rs.
Seed (q)	556.28	-
Planting material (No.)	250	-
Bio-Products (kg)		
Livestock Production (No.)		
Fishery production (No.)		

7. Soil, water & plant Analysis

Samples	No. of Beneficiaries	Value Rs.
Soil	157	31400
Water		
Plant		
Total	157	31400

8. HRD and Publications

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

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	Office	FAX	
Rustam Nagar (Bilari) Moardabad - I (U.P.) - 202411	-	-	moradabadkvk@gmail.com

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

Address	Telephone		E mail
	Office	FAX	
Directorate of Extension	0121-2888511	0121-2888511	
S.V.P.U. Agri. & Tech., Meerut (U.P.) - 250110			

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. R.K.Singh	-	9412809032	moradabadkvk@gmail.com

1.4. Year of sanction: 2004 (F.No.2-11/99-AE-11(PT) dated 13.12.2004

1.5. Staff Position (as on 01st April, 2020)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Mobile No.	Age	Email id
1	Sr. Scientist & Head	Dr. R.K. Singh	Professor & Head.	Agricultural EXTension	37400-67400	59520 + 10000	14-10-2010	Permanent	9412809032	55	moradabadkvk@gmail.com
2	Subject Matter Specialist	Dr. Sukh Dev Singh	SMS/Prof.	Agro-forestry	37400-67400	53420+ 9000	05-07-11	Permanent	9412522255	55	singhsd3@gmail.com
3	Subject Matter Specialist	Dr. Hasan Tanveer	SMS/ Asst. Prof.	Plant Breeding	15600-39100	22220 + 6000	23-06-2008	Permanent	9369156642	49	htshahi@yahoo.com
4	Subject Matter Specialist	Dr. Mohan Singh	SMS/ Asst. Prof.	Soil Science	15600-39100	25980 + 7000	25-06-2008	Permanent	9457802593	48	drmsinghkvk@gmail.com
5	Subject Matter Specialist		Vacant.	Plant protection	-	-	-	-	-	-	-

6	Subject Matter Specialist		Vacant.	Agronomy	-	-	-	-	-	-	-
7	Subject Matter Specialist	-	-	Home science	-	-	-	-	-	-	-
8	Prog. Assistant		Vacant.		-	-	-	-	-	-	-
9	Prog. Assistant	Sri. Nagendra Pratap Singh	Computer Programmer/ Programme Assistant	PGDCA	9300-34800	52000	01-09-2007	Permanent	9412060554	46	nagendrapratap1973@gmail.com
10	Farm Manager	Dr. Hambir Singh	Farm Manager	Plant Breed	9300-34800	52000	18-08-2007	Permanent	9759173168	51	
11	Accountant / Superintendent	Sri. Sanjay Kumar Sharma	OS/ Accountant	Accounts	9300-34800	66000	18-09-2000	Permanent	9412650468	48	sksharmakvk@gmail.com
12	Stenographer/ computer operator	Sri. Ajay Tomar	Stenographer/ computer operator		5200-20200	39200	30-07-2007	Permanent	8171960800	36	
13	Driver	Sh. Virendra Kumar Mishra	Driver	-	5200-20200	33300	05.12.2003	Permanent	9984580773	46	
14	Driver	Vacant	-	-	-	-	-	-	-		
15	Supporting staff	Vacant	-	-	-	-	-	-	-		
16	Supporting staff	Sri Sarvesh Kumar	Attendant	-	2550-3290	26800	27-02-2008	Permanent	9760866548	36	

1.6. Total land with KVK (in ha) : 17.5 ha

S. No.	Item	Area (ha)
1	Under Buildings, ,Road, Channels and boundary etc.	3.6984
2.	Under Demonstration Units	0.0016
3.	Under Crops	13.200
4.	Orchard/Agro-forestry	0.600
5.	Others (specify)	-

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.) Lac	Starting date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR		510				Completed
2.	Farmers Hostel	ICAR		300				-do-
3.	Staff Quarters (6)	ICAR		431				-do-
4.	Demonstration Units (2)	ICAR		160				-do-
5	Fencing	ICAR		2000 R/M				-do-
6	Rain Water harvesting system	-	-	-				-
7	Threshing floor	ICAR		300				-do-
8	Farm godown	ICAR		60				-do-
9	Irrigation Channel	ICAR		1000 M				-do-

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.) Lac	Total kms. Run	Present status
Tractor	2005	3.45	3919.4 hours	Good condition
Bolero Jeep	2007	4.59	182784	Condam
Motor cycle	2008	0.52	38371	Good condition

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
L.C.D. Projector	2007	57000.00	Good condition
U.P.S.	2007	TRF from H.Q.	Good condition
Solar (Lalten)	2007	4040.00	Good condition
Electric Padestral Fan	2005	2410.00	Good condition
Padestral Fan	2005	1725.00	Good condition
11 cultivator	2005	12265.00	Good condition
14 Tawa Harrow	2005	24540.00	Good condition
Leveller	2005	6870.00	Good condition
Nepsake Spray (Plastic)	2005	1428.00	Good condition
Foot Sprayer	2005	1362.00	Good condition
Disk Bund Farmer	2006	8250.00	Good condition
Seed Drill	2006	23415.00	Good condition
Hand Rotary Fan	2006	1161.00	Good condition
Trailer for Tractor	2006	64524.00	Good condition
Hand Vinoi Fan	2006	1450.00	Good condition
S.D. Memory cord of LCD with Recorder	2007	4000.00	Good condition
Solar domestic ligh (Model IV)	2008	25775	Good condition

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

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Sl.No.	Date	Name and Designation of participants	Silent Recommendations	Action taken
1	22 Jan. 2020	Mk0 xksiky flag la;qDr funs”kd izlkj l0o0i0 d`f`k ,oa izkS0] fo0fo0] esjB	1- oehZ dEiksLV o ukMsi ;wfuV dsUnz ij LFkkfir dh tk;sa	Mk0 eksgu flag fo0o0fo0@lgk 0izk0 ¼e`nk foKku½
			2- dsUnz ij fofHkUu iztkfr;ksa dh iksiyj dh ulZjh yxk;h tk;sa	Mk0 lq[knso flag izk;/kid] d`f`k okfudh
			3- dzkidSQsVsfj;k esa U;wV ^{ah} QkbM iztkfr dk xsgWw yxk;k tk;sa A	Mk0 glu ruohj fo0o0fo0@lgk 0izk0 ¼ikni iztuu½
			4- e`nk foKku dh vks-,Q-Vh- esa Vh02 dk “kh`kZd Li`V :lk ls	Mk0 eksgu flag

			fy[kk tk;sa A	fo0o0fo0@lgk 0izk0 ¼e`nk foKku½
			5- oehZ dEiksLV dk jkstxkj ijd izf`k{k.k dsUnz ij gh djks tk;sa	Mk0 eksgu flag fo0o0fo0@lgk 0izk0 ¼e`nk foKku½

2		Jh uFFkw yky xaxokj Hkwfe laj{k.k vf/kdkjh] eqjknkckn	1- ty laj{k.k ij fofHkUu xksf`B;kW esa ppkZ dh tk;sa	leLr oSKkfud
3		lgk;d vfHk;ark y?kq flapkbZ] eqjknkckn	1-eVj dh [ksrh ij izf`k{k.k vk;ksftr djks tk;sa A	Mk0 lq[knso flag izk;/kid] d`f`k okfudh
4		Jh eqdqy ikaMs InL;] oSKkfud lykgdkj Ifefr	1] eYpj dks c<kok fn;k tk;s A	Mk0 glu ruohj fo0o0fo0@lgk 0izk0 ¼ikni iztuu½

2.0 DETAILS OF DISTRICT (2019)

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

S.N.	Farming system/enterprise
1.	Major crops – Paddy, Wheat, Mustard, Sugarcane, Mentha, Lentil, Potato.
2.	Crop rotation – Rice-Sugarcane, Rice- Wheat, Urd-Mustard-Mentha, Jowar-Mustard-Mentha
3.	Agriculture + Hort. + Livestock
4.	Agri. + Livestock
5.	Landless + Livestock

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

S. No.	AES	Characteristics of A.E.S.	Major commodities	Farming system	Block
1	I- Central western plain zone of the district	-Loam and clay loam with high fertility - medium rainfall	Rice, wheat, mentha, sugarcane, chilli, cauliflower, cabbage, mango, guava, buffalo, cows	Paddy, wheat, sugarcane+ Poplar+ A.H. (Cow, buffalo)	Thakurdwara, Dilari, Moradabad, Bhagatpur tanda and Chhajlait
2	II. Central western Plain zone/ Central east southern region of the district	-Sandy loam to loam soil of medium fertility - medium rainfall	Rice, wheat, mentha, sugarcane, mustard as well as vegetables (pea, cucumber, chilli, tomato, potato) and mango fruit, buffalo, cows	Paddy, wheat, potato, sugarcane, mentha, mustard based systems + horticulture + A.H.	Billari
3	III Central western plain zone Central region of the district	-Sandy loam to loam and clay soil of medium fertility - medium rainfall	Rice, wheat, mentha, sugarcane, potato, guava, mango, poplar etc.	Paddy, wheat, sugarcane, mentha based systems poplar + A.H.+ Hort.	Munda pandey, Kundarki and Asmoli

2.3 Soil type/S

S.No.	Soil type	Area (ha)
1	Clay loam	81930
2	Sandy soil	25537
3	Sandy loam	84518
4	Loam	126433
	Total	317919

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

S. No	Crop	Area (ha)	Production (MT)	Productivity (Qtl /ha)
A	FIELD CROPS INCLUDING OIL SEEDS AND PULSES			
1.	Wheat	115217	460983	40.01
2.	Lentil	481	385	8.00
3.	Mustard /Toria	2194	2635	12.01
4.	Paddy (Rice)	89451	223985	25.04
5.	Bajra	2609	1946	7.46
6.	Urd	3262	2923	8.96
7.	Sugarcane	73996	5651814	76-38
B	VEGETABLES			
1.	Potato	6700	164150	245

2.5 Weather data (rainfall in mm.) Dist. Moradabad

S. No.	Month	2019-20
1	Jan	9.0
2	Feb	13.50
3	March	42.66
4	April	21.7
5	May	5.53
6	June	9.73
7	July	367.50
8	Aug	445.6
9	Sept.	42.73
10	Oct.	-
11	Nov.	-
12	Dec.	-
	Total rainfall	957.95
	Avg. rainfall	79.82

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

Category	Population	Production	Productivity
Cattle			
<i>Crossbred</i>	11824	Data not available	Data not available
<i>Indigenous</i>	58421		
Buffalo	240704		
Sheep			
<i>Crossbred</i>	220		
<i>Indigenous</i>	40082		
Goats	208768		
Pigs	11195		
<i>Crossbred</i>	3165		
<i>Indigenous</i>	27159		
Rabbits	-		
Poultry	116205		
Hens	-		
<i>Desi</i>	-		
<i>Improved</i>	-		
Ducks	-		
Turkey and others	-		
Fish	172	5051	29.36

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2.7 Details of operation area/villages (2019)

S. No.	Taluk/Village	Name of block	Major crops & enterprises	Major problem identified	Identified thrust area
1	Fattepur Natha	Bilari	Paddy, Wheat, Sugarcane Mentha, Mustard, Poplar, Dairy	Low Productivity of paddy, wheat, mustard, urd etc. The main reason of low yield is due to lack of high yielding varieties, imbalance use of fertilizer & less awareness of insect and disease control timely.	Diversification in agriculture Lack of high yielding varieties. Less availability of plant protection measures.
2	Bhurmaresi	Bilari	Paddy, Wheat, Sugarcane Mentha, Mustard, Poplar, Dairy	Low Productivity of paddy, wheat, mustard, urd etc. The main reason of low yield is due to lack of high yielding varieties, imbalance use of fertilizer & less awareness of insect and disease control timely. Low yield of paddy, wheat, mentha & mustard	Diversification in agriculture Lack of high yielding varieties. Less availability of plant protection measures. Heavy infestation of weeds.
3	Khanpur	Bilari	Paddy, Wheat, Sugarcane Mentha, Mustard, Dairy, Chilli, bottle guard, colocacia	Poor milk production and infertility in animals. Lack of knowledge of quality planting	Diversification in Agriculture. Use of improved variety and IPM,

				material and production technology in horticultural crops. Low yield of paddy, wheat, mentha & mustard	ICM. Heavy infestation of weeds.
4	Ram Nagar Gangpur	Bilari	Paddy, Wheat, Sugarcane Mentha, Mustard, Poplar, Dairy	Use of local varieties of different crops by the farmers. Pest problems Low yield of paddy, wheat, mentha & mustard	Diversification in Agriculture. Use of improved variety and IPM, ICM. Heavy infestation of weeds.
5	Sihari Ladda	Bilari	Paddy, Wheat, Sugarcane Mentha, Mustard, Dairy, Poplar,Chilli, Onion, Gartic, Cucurbits.	Lack of knowledge of improved varieties of different crops. - Pest problems - Lack of knowledge of inter cropping - Crop management & nutrient management. - Disease & insect control of cereals and vegetable crops. - Poor milk production and infertility in animals	- Diversification in agriculture. - Use of improved varieties. - Inter cropping technique. - Crop management. - Weed control - Unawareness of diseases and insect control.

2.8 Priority thrust areas

S.N.	Crop/ Enterprise	Thrust area
1.	Rice/Wheat	Integrated plant nutrient management in rice -wheat cropping.
2.	Rice/Wheat	Integrated weed management in rice -wheat cropping
3.	Pulses	Enhancing the area under Kharif & Rabi pulses
4.	Oil seeds	Enhancing the area under Kharif & Rabi oil seeds.
5.	Cereals/Pulses/ Oil seeds	IPM in crops
6.	Cereals/Pulses/ Oil seeds	Promotion of new released varieties.
7.	Seed production	Promotion of seed production in different crops.
8.	Mango	Rejuvenation of old mango orchards
9.	Guava	Management of Guava orchards.
10	Vegetables	Promotion of organic farming in vegetables.
11	Floriculture	Promotion of income generating crops.
12	Bee-keeping	Popularization of Bee-keeping
13	Vermi compost	Popularization of Vermi composting

2.9 Intervention/ Programmes for the doubling the farmers income – during 2019

Demonstrations

Assesment of suitable combination of inter crop with Autumn S.cane (S.cane + Mustard)

Before Interventions	Main crop Yield(q/ha)	Inter crop Yield(q/ha)	Equivalent Yield(q/ha)	Cost of cultivation(Rs/ha)*	Net income(Rs/ha)	B.C: Ratio	Remark if any
Intercropping System(Rabi)	867.00	-	-	92540.00	189235.00	1:3.04	
Sole crop (S.cane)	-	-	-	-	-	-	

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

After Interventions	Main crop Yield(q/ha)	Inter crop Yield(q/ha)	Equivalent yield(q/ha)	Cost of cultivation(Rs/ha)*	Net income(Rs/ha)	B.C: Ratio	Remark if any
Intercropping System(Rabi)							
(S.cane + Mustard)	867.00	16.0	1032.00	106040.00	229335.00	1:3.16	

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

Sale rate – Mustard @ 3350/- q

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Note- Same format may be used for OFT.

3.0 TECHNICAL ACHIEVEMENTS

3.A. Details of targeted mandatory activities by KVK during 2019-20

OFT (Technology assessment & refinement)				FLD (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
07	05	28	23	36.4	36.1	109	111

CFLD (Oilseeds,Pulses,)			
3			
Area in ha.		Number of Farmers	
Targets	Achievement	Targets	Achievement
60	40	150	100

	Training (including sponsored, vocational trainings)				Extension Activities			
	4				5			
	Number of Courses		Number of Participants		Number of activities		Number of participants	
Clientele	T	A	T	A	T	A	T	A
Farmers	60	53	1200	1060	437	-	4645	-
Rural youth	10	07	100	70				
Ext. Functionaries	17	16	170	160				
Sponsored traing	-	-		-				

Seed Production (Qtl.)			Planting material (Nos.)		
6			7		
Target	Achievement	Distributed to no. of farmers	Target	Achievement	Distributed to no. of farmers
200	579.09	Supply to NSC, Meerut	20000	250	-

Soil/plant/water Analysis		
8		
Target	Achievement	No. of farmers covered
2000	187	187

I.A TECHNOLOGY ASSESSMENT

A. 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	Wheat	Exaluation of Phosphorus & MOP fertilizer on soil test basis.	01	05
	Paddy	To test the different dose of fertilizers against soil test basis.	01	05
Varietal Evaluation	Paddy	Evaluation of higher yielding varities of paddy under rice – wheat system.	01	05
	Wheat	Evaluation of higher yielding varities of wheat under late sown condition.	01	05
Integrated Pest Management				
Integrated Crop Management	Poplar + Wheat	Assessment of intercropping of wheat with Poplar.	01	03
Integrated Disease Management				
Small Scale Income Generation Enterprises				
Weed Management				
Resource Conservation Technology				
Farm Machineries				
Integrated Farming System				
Seed / Plant production				
Post Harvest Technology / Value addition				
Drudgery Reduction				
Storage Technique				
Others (Pl. specify)				
Total			05	23

B. Summary of technologies assessed under livestock by KVKs

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

C. Summary of technologies assessed under various enterprises by KVKs

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

Note: Suppose **IPM in paddy** is the technology assessed by 50 KVKs in the Zone with 5 trials by each KVK, then IPM in paddy needs to be considered as a single technology, with $50 \times 5 = 250$ 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

A. 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				

B. 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				

C. 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 $50 \times 5 = 250$ 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

OFT -1

INTEGRATED NUTRIENT MANAGEMENT (Kharif 2019)

Problem definition	Low yield of paddy due to imbalance use of fertilizers.
Technology assessed or refined	Assessment of nutrient in paddy crop on the basis of soil test.
No. of Farmers	05

KVK, Moradabad conducted on-farm trials on different doses of fertilizers on the basis of soil test in paddy.

Table : Performance of paddy.

Technology Option	No.of trials	Yield (q/ha.)	Increase in yield (%)	Net Return (Rs./ha)	B:C Ratio
T ₁ – Farmers practice 120:40:0:0 N:P:K & Zn Kg/ha. (PB - 1509)	05	42.40	-	59202	1:2.08
T ₂ – Soil test basis 138:60:43:25 N:P:K & Zn Kg/ha.		48.10	15.88	74235	1:2.32

Recommendation The data showed in table that T₂ (Use of fertilizer on **soil test basis**) in paddy crop. T₂ is found best for proper nutrient. This treatment is able to increase the crop production as compared to T₁.

Farmers reactions Application of fertilizers on the basis of soil testing increase the yield in paddy crop.

Date of transplanting 05-10 July. 2019 and 26-30 Oct. 2019

& harvesting

OFT - 2

VARIETAL EVALUATION (Kharif 2019)

Problem definition	Low yield and use of old variety.
Technology assessed or refined	Evaluation of high yielding variety of paddy under rice-wheat system of cultivation.
No. of Farmers	05

KVK, Moradabad conducted on-farm trial on high yielding variety of paddy under rice-wheat system of cultivation. The result showed that PD - 26 gave higher yield 56.25 q/ha. with net return (Rs. 25390/- per ha.).

Technology Option	No.of trials	Yield (Kg/ha)	Increase in yield (%)	Net Return (Rs./ha)	B:C Ratio
T ₁ – Farmers practice Sharbati	05	40.25	-	18904	1:1.28
T ₂ – PD - 26		50.62	25.76	25390	1:1.37

Recommendation The data shown in table that T₂ (PD – 26) was higher grain yielder as compare to farmers practice. and recommending that sharbati variety of paddy may be replace by the variety PD-26.

Farmers reactions Use of PD – 26 variety of paddy is more beneficial than other variety.

Date of nursery sowing & harvesting 02-04 June 2019 & 20-23 Oct. 2019

OFT -3

INTEGRATED NUTRIENT MANAGEMENT (Rabi 2019-20)

Problem definition	Assesment of suitable dose of fertilizer in wheat crop.
Technology assessed or refined	Evaluation of Phosphorus & MOP fertilizer on soil test basis.
No. of Farmers	05

KVK, Moradabad conducted on-farm trials on high yielding varieties of wheat under late sown condition on soil test bases.

Table : Performance of wheat.

Technology Option	No. of trials	Yield (q/ha.)	Increase in yield (%)	Net Return (Rs./ha)	B:C Ratio
T ₁ – Farmers practice 125:45:38:0:0 N:P:K & Zn Kg/ha. (HD - 2967)	05	41.80	-	44650	1:2.3
T ₂ – 155:63:49:25. N:P:K & Zn 25 Kg/ha		48.90	16.98	59593	1:2.72

Recommendation The data given in table shows that T₂ (Use of Phosphorus & MOP 155:63:49:25. N:P:K & Zn Kg/ha.) in wheat crop. T₂ is found best for proper nutrient. This treatment is able to increase the crop production in comparison to T₁.

Farmers reactions Application of Phosphorus & MOP 155:63:49:25. N:P:K & Zn Kg/ha. is very effective to enhancing in wheat yield.

Date of Sowing & harvesting 27-30 Nov. 2019 & 22-30 April. 2020.

OFT - 4

VARIETAL EVALUATION (Rabi 2019-20)

Problem definition	Low yield under late sown condition and use of old variety.
Technology assessed or refined	Evaluation of high yielding variety of wheat under late sown condition.
No. of Farmers	05

KVK, Moradabad conducted on-farm trials on high yielding varieties of wheat under late sown condition.

Table : Performance of Wheat.

Technology Option	No.of trials	Yield (q/ha.)	Increase in yield (%)	Net Return (Rs./ha)	B:C Ratio
T ₁ – Farmers practice PBW - 373	05	38.5	-	26612	1:1.56
T ₂ – DBW 90		46.25	20.12	39631	1:1.80

Recommendation	The data showed in table that T ₂ (DBW - 90) is more suitable in relation to yield as compared to T ₁ . KVK recommend to the farmers of Moradabad area to use DBW – 90 for late sown condition
Farmers reactions	Use of DBW – 90 variety is good for late sown condition.
Date of Sowing & harvesting	04-08 Dec., 2019 & 20-22 April, 2020.

OFT - 5

INTEGRATED CROP MANAGEMENT (Rabi 2019-20)

Problem definition Low income due to Sole crop of Poplar.
Technology assessed Assessment of intercropping of wheat with Poplar.
or refined
No. of Farmers 03

KVK, Moradabad conducted on-farm trials on intercropping of wheat with poplar.

Table : Performance of Wheat.

Technology Option	No.of trials	Yield of intercrop (q/ha.)	yield (q/ha.)	Yield of Intercrop + poplar (q/ha.)	Yield increase (%)
			Girth in cm.		
Farmers practices (Single crop)	3	-	62.5	42.0	-
Poplar + wheat		42.0	42.0	42.0	-

Gross return (Rs./ha.)			Net Return (Rs./ha)			B:C Ratio
Wheat	Intercrop	Poplar + intercrop	Wheat	Intercrop	Poplar + intercrop	
80850	-	80850	44965	-	44965	1:2.20

Recommendation .

Farmers reactions

Date of Sowing & harvesting 22,23,29 Nov., 2019 & 22 April, 2020

Front Line Demonstration on other than oil seeds & pulses

A. Follow-up results of FLDs implemented during previous years

List of technologies demonstrated during previous year and popularized during 2019 and recommended for large scale adoption in the district.

S. N.	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	Paddy	Weed management	Weed control through Bispyribac sodium 10 EC @ 200 ml/ha	Through training prog., Gosthi , Field day, Electronic & Print media, Kisan Mela	55	700	500
2	Paddy	IDM	Control of blast disease through Hexaconazole 4% + Zineb 68% @ 1Kg/ha. (Two spray)	Through training prog., Gosthi , Field day, Electronic & Print media, Kisan Mela	40	650	350
3	Wheat	INM	Application of zinc sulphate @ 25 kg/ha. as basal dose in rice-wheat cropping system	Through training prog., Gosthi , Field day, Electronic & Print media, Kisan Mela	70	1700	700
4	Paddy	IPM	Two spray of Imidacloprid 17.8SL @ 150 ml/hac. at tillering stage & second dough stage to control BPH	Through training prog., Gosthi , Field day, Electronic & Print media, Kisan Mela	65	1050	600
5	Wheat	Weed management	Weed control through Sulfo-Sulfuron 75WP @ 33 gm/ha.	Through training prog., Gosthi , Field day, Electronic & Print media, Kisan Mela	125	1250	800

B. Front Line Demonstration on oil seeds & pulses under NFSM

FLD - 1

Blackgram (Kharif – 2019)

S. N.	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	Blackgram	- ICM	- ICM through improved seed, weed & insect management	Kharif 2019	20.0	20.0	13	37	50	N.A.

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					
Blackgram	Kharif 2019	Irrigated	Loam	Medium	Low	Medium	Mustard/Wheat	27-31 July, 2019	08-13 Nov. 2019	-	-

Performance of FLD

Crop	Thematic Area	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)	Demo. Yield q/ha			Yield of local Check q/ha	Increase in yield (%)	Economics of demonstration (Rs./ha.)				Economics of check (Rs./ha.)			
						H	L	A			Gross Cost	Gross Return	Net return	BCR (R/C)	Gross Cost	Gross Return	Net return	BCR (R/C)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Black gram	- ICM	ICM through improved seed, weed & insect management	PU- 31	50	20.0	7.83	6.38	7.44	5.86	26.96	18280	55800	37520	1:3.05	16240	43950	27710	1:2.71

Salling Price – Rs. 7500/q.

a. Technical feedback

1	Uniform maturity & bold grain.
2	Increase the grain yield due to improved & certified variety of PU- 31.
3	Timely application of insecticide (Imidacloprid 17.8 SL).
4	No incidence of pod borer due to timely application of insecticide (Imidacloprid 17.8SL).
5	Very low number of weeds due to timely spraying of Imazathyper 10 EC @ 250 ml/demo.

b. Farmers reaction on specific technologies

S. N.	Feedback
1	Farmers have give positive response about variety. PU -31 is higher grain yielder as compared to local variety Alankar.
2	Uniform& short day maturity (85-95 days).
3	Low incidence of Yellow Mosaic.

c. Extension and Training activities under FLD

S.No.	Activity	No. of activity organised	No. of participants	Remarks
1.	Farmers Training	02	47	
2.	Media coverage	02	mass	

FLD - 2
Lentil (Rabi 2019-20)

S. N.	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	Lentil	- ICM	- ICM through improved seed	Rabi 2019-20	20.0	20.0	09	41	50	N.A.

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					
Lentil	Rabi 2019-20	Irrigated	Loam	Medium	Low	Medium	Paddy/Bajra	10-15 Nov. 2019	01-05 April, 2020	8.55	-

Performance of FLD

Crop	Thematic Area	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)	Demo. Yield q/ha			Yield of local Check q/ha	Increase in yield (%)	Economics of demonstration (Rs./ha.)				Economics of check (Rs./ha.)			
						H	L	A			Gross Cost	Gross Return	Net return	BCR (R/C)	Gross Cost	Gross Return	Net return	BCR (R/C)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Lentil	- ICM	ICM through improved seed	PL - 8	50	20.0	12.30	11.50	11.90	10.28	15.75	22250	80920	58670	1:3.63	20580	69904	49324	1:3.39

Technical feedback

1	Uniform maturity & bold grain.
2	Increase the grain yield due to improved & HYV of PL -8.

b. Farmers reaction on specific technologies

S. N.	Feedback
1	Farmers have give positive response about variety PL – 8 variety of lentil, is higher grain yield as compare to local traditional variety.
2	No incidence of Blight.

c. Extension and Training activities under FLD

S.No.	Activity	No. of activity organised	No. of participants	Remarks
1	Field Day	01	25	
2.	Farmers Training	01	20	
3	Media coverage	02	mass	

C. Front Line Demonstration on other than oil seeds & pulses

FLD - 1

Crop production: Wheat

S. N.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ Demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1	Wheat	Weed management	Use of Sulfo-Sulfuron 75WP @ 33 gm/ha.	Rabi 2019-20	4.0	4.0	-	10	10	N.A.

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					
Wheat	Rabi 2019-20	Irrigated	Loam	Medium	Low	Medium	Paddy/Urd	17-18 Dec. 2019	25.04.2020	-	-

Performance of FLD

Crop	Thematic Area	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)	Demo. Yield q/ha			Yield of local Check q./ha	Increase in yield (%)	Economics of demonstration (Rs./ha.)				Economics of check (Rs./ha.)			
						H	L	A			Gross Cost	Gross Return	Net return	BCR (R/C)	Gross Cost	Gross Return	Net return	BCR (R/C)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Wheat	WM	Use of Sulfo-Sulfuron 75WP @ 33 gm/ha.	HD-2967	10	4.0	46.20	41.10	43.7	41.0	6.58	36436	88935	52505	2.44	34667	78925	44257	2.27

Technical feedback

1	Sulfo Sulfuron 75 WP is more effective to weed control over to control plot up to 91.30%.
2	Due to timely management of weed, the grain yield has been increased up to 6.58% over to control.

b. Farmers reaction on specific technologies

S. N.	Feedback
1	Farmers are convinced the grain yield has been increased due to timely weed management.
2	Minimized the weed infestation.

c. Extension and Training activities under FLD

S.No.	Activity	No. of activity organised	No. of participants	Remarks
1	Field Day	-	-	
2.	Farmers Training	01	20	
3	Media coverage	02	mass	

FLD No. : 2
Soil Science : Paddy

S. N.	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	Paddy	INM	Use of water soluble fertilizer 18:18:18 NPK @ 12.5 Kg/ha. (Three spray)	Kharif 2019	6.0	6.0	01	14	15	

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
Paddy	Kharif 2019	Irrigated	Sandy loam and loam	Medium	Medium	Medium	Wheat	05-10 July 2019	25-30 Oct. 2019	-	-

Performance of FLD

Crop	Thematic Area	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)	Demo. Yield q/ha			Yield of local Check q./ha	Increase in yield (%)	Economics of demonstration (Rs./ha.)				Economics of check (Rs./ha.)			
						H	L	A			Gross Cost	Gross Return	Net return	BCR (R/C)	Gross Cost	Gross Return	Net return	BCR (R/C)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Paddy	INM.	Use of water soluble fertilizer 18:18:18 NPK @ 12.5 Kg/ha. (Three spray)	PB - 1509	15	6.0	48.80	47.40	48.25	43.10	11.94	55780	127862	72082	1:2.29	54230	114215	59985	1:2.11

Selling rate – Rs. 2650 per quintal

a. Technical feedback

S. No	Feed Back
1	Spray of water soluble fertilizer 18:18:18 NPK @ 12.5 Kg/ha. at tillering stage,before flowering & milking stage enhance crop yield.

b. Farmers reaction on specific technologies

S. N.	Feedback
1	Three spray of water soluble fertilizer 18:18:18 NPK is very effective to enhance the yield of paddy crop.
2	This technology save the cost of cultivation i.e. Fertilizers.

c. Extension and Training activities under FLD

S.No.	Activity	No. of activity organised	No. of participants	Remarks
1.	Farmers Training	01	20	
2.	Media coverage	01	mass	

FLD No. : 3

Soil Science : Wheat

S. N.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ Demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1	Wheat	INM	Use of water soluble fertilizers in wheat crop	Rabi 2019-20	6.0	6.0	04	11	15	

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					
Wheat	Rabi 2019-20	Irrigated	Sandy loam and loam	Medium	Medium	Medium	Paddy	26.11.19 to 28.11.19	24.04.20 to 30.04.20	-	-

Performance of FLD

1	Thematic Area	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)	Demo. Yield q/ha			Yield of local Check q/ha	Increase in yield (%)	Economics of demonstration (Rs./ha.)				Economics of check (Rs./ha.)			
						H	L	A			Gross Cost	Gross Return	Net return	BCR (R/C)	Gross Cost	Gross Return	Net return	BCR (R/C)
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
Wheat	INM.	Use of water soluble fertilizers in wheat crop	HD - 2967	15	6.0	49.40	48.30	48.85	40.76	19.84	36990	94036	57046	1:2.54	35540	78463	42923	1:2.20

Sale rate – Rs. 1925 per quintal

Technical feedback

S. No	Feed Back
1	Spray of water soluble fertilizer 18:18:18 NPK @ 12.5 Kg/ha. at tillering stage,before flowering & milk stage enhance crop yield.

b. Farmers reaction on specific technologies

S. N.	Feedback
1	Three spray of water soluble fertilizer 18:18:18 NPK is very effective to enhance the yield of wheat crop.
2	This technology save the cost of cultivation i.e. Fertilizers.

c. Extension and Training activities under FLD

S.No.	Activity	No. of activity organised	No. of participants	Remarks
1.	Farmers Training	02	40	
2.	Media coverage	02	mass	

FLD No. : 6

Plant Breeding : Paddy

S. N.	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	Paddy	Varietal demonstration	To demonstrate the yield potential of high yielding variety of paddy	Kharif 2019	2.0	2.0	5	5	10	N.A.

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date (Nursery)	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
Paddy	Kharif 2019	Irrigated	loam and Sandy loam	Low	Low	Medium	Wheat	13.6.19 to 15.6.19	23.10.19 to 26.10.19	-	-

Performance of FLD

Crop	Thematic Area	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)	Demo. Yield Qtl/ha			Yield of local Check qt./ha	Increase in yield (%)	Economics of demonstration (Rs./ha.)				Economics of check (Rs./ha.)			
						H	L	A			Gross Cost	Gross Return	Net return	BCR (R/C)	Gross Cost	Gross Return	Net return	BCR (R/C)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Paddy	Promoting high yielding variety of paddy	To demonstrate the yield potential of HYV of paddy	PD - 22	10	2.0	56.25	45.00	51.56	39.50	30.53	67986	95081	27095	1:1.40	67121	82950	15829	1:1.24

PD – 22 Selling rate – Rs. 1815 per quintal, Sharbati (FP) – Rs. 2100 per quintal

a. Technical feedback

S.No	Feed Back
1	Use of quality seed and improved variety is essential.
2	Grain yield production was increased due to new variety.

b. Farmers reaction on specific technologies

S. N.	Feedback
1	Variety PD - 22 is higher grain yielder as compared to local check (variety – Sharbati).
2	Variety PD - 22 is having good yield potential.

c. Extension and Training activities under FLD

S.No.	Activity	No. of activity organised	No. of participants	Remarks
1	Farmers Training	02	40	
2	Training for extension functionaries	01	10	

FLD No. : 7

Plant Breeding : Paddy

S. N.	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	Paddy	Varietal demonstration under Rice-wheat system	To demonstrate the yield potential of Basmati rice under Rice-wheat system of cultivation	Kharif 2019	2.0	2.0	-	10	10	N.A.

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
Paddy	Kharif 2019	Irrigated	loam and Sandy loam	Low	Low	Medium	Wheat	27.6.19 to 29.06.19	02.11.19 to 05.11.19	-	-

Performance of FLD

Crop	Thematic Area	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)	Demo. Yield Qtl/ha			Yield of local Check Qtl./ha	Increase in yield (%)	Economics of demonstration (Rs./ha.)				Economics of check (Rs./ha.)			
						H	L	A			Gross Cost	Gross Return	Net return	BCR (R/C)	Gross Cost	Gross Return	Net return	BCR (R/C)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Paddy	Vareital demonstration under Rice-wheat system	To demonstrate the yield potential of Basmati rice under Rice-wheat system of cultivation	Pant Sugandha 27	10	2.0	45.0	37.5	40.5	33.5	20.90	68383	114900	46517	1:1.68	67621	95300	27679	1:1.41

Selling rate – Rs. 2800 per quintal

a. Technical feedback

S.No	Feed Back
1	Use of quality seed and improved variety is essential to get higher production.

b. Farmers reaction on specific technologies

S. N.	Feedback
1	Variety Pant Sugandha - 27 is higher grain yielder as compared to Pusa Basmati - 1121.
2	Variety Pant Sugandha - 27 is having good yield potential.

c. Extension and Training activities under FLD

S.No.	Activity	No. of activity organised	No. of participants	Remarks
1.	Farmers Training	01	20	
2.	Training for extension functionaries	01	10	
3.	Field Day	01	22	

FLD No. : 8

Plant Breeding: Wheat

S. N.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ Demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1	Wheat	Promoting high yielding variety of wheat	To demonstrate the yield potential of new variety – PBW - 725	Rabi 2019-20	2.0	2.0	02	08	10	N.A.

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					
Wheat	Rabi 2019-20	Irrigated	Sandy loam and loam	Low	Medium	Medium	Paddy	20-11-19 to 25-11-19	13-15 April 2020	-	-

Performance of FLD

Crop	Thematic Area	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)	Demo. Yield q/ha			Yield of local Check q./ha	Increase in yield (%)	Economics of demonstration (Rs./ha.)				Economics of check (Rs./ha.)			
						H	L	A			Gross Cost	Gross Return	Net return	BCR (R/C)	Gross Cost	Gross Return	Net return	BCR (R/C)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Wheat	Promoting high yielding variety of wheat	To demonstrate the yield potential of new variety.	PBW - 725	10	2.0	56.25	45.0	51.75	42.50	21.76	57400	99618	42218	1:1.74	52400	81812	29412	1:1.56

Technical feedback

1	Use of quality seed and new improved variety is essential.
2	Increase production requires timely sowing.

b. Farmers reaction on specific technologies

S. N.	Feedback
1	Vareity PBW - 725 is higher yielder as compared to variety PBW - 550.

c. Extension and Training activities under FLD

S.No.	Activity	No. of activity organised	No. of participants	Remarks
1.	Farmers Training	02	40	
2.	Media coverage	-	-	

FLD No. : 9

Plant Breeding: Wheat

S. N.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ Demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1	Wheat	Promoting high yielding variety of wheat under late sown condition	To demonstrate the yield potential of wheat variety under late sown condition Variety – DBW - 71	Rabi 2019-20	2.0	2.0	-	10	10	N.A.

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					
Wheat	Rabi 2019-20	Irrigated	Sandy loam	Low	Medium	Medium	Paddy	02.12.2019 to 10.12.2019	20-23 April 2020	-	-

Performance of FLD

Crop	Thematic Area	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)	Demo. Yield q/ha			Yield of local Check q./ha	Increase in yield (%)	Economics of demonstration (Rs./ha.)				Economics of check (Rs./ha.)			
						H	L	A			Gross Cost	Gross Return	Net return	BCR (R/C)	Gross Cost	Gross Return	Net return	BCR (R/C)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Wheat	Promoting HYV of wheat under late sown condition	To demonstrate the yield potential of wheat variety under late sown condition.	DBW - 71	10	2.0	47.1	42.0	45.3	37.4	21.12	49400	87202	37802	1:1.76	47500	71995	24495	1:1.52

Sale rate – Rs. 1925 per quintal

Technical feedback

1	Use of of new improved variety and quality seed is essential.
2	Use of recommended variety under late sown condition.

b. Farmers reaction on specific technologies

S. N.	Feedback
1	Vareity DBW - 71 is higher grain yielder as compared to variety PBW - 373.
2	Variety DBW - 71 is good under late sown condition.

c. Extension and Training activities under FLD

S.No.	Activity	No. of activity organised	No. of participants	Remarks
1.	Farmers Training	02	40	
2.	Field day	-	-	

FLD - 10

Agro forestry: Poplar

S. N.	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	Poplar	Varietal evaluation	Fast & improved clone of poplar	Zaid 2019	0.4	0.4	-	04	04	-

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					
Poplar	Zaid 2019	Irrigated	Sandy loam and loam	Medium	Medium	Low	Paddy	20 Feb. 2019	-	-	-

Performance of FLD

Crop	Thematic Area	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)	Demo. Yield q/ha			Yield of local Check q./ha	Increase in yield (%)	Economics of demonstration (Rs./ha.)				Economics of check (Rs./ha.)			
						H	L	A			Gross Cost	Gross Return	Net return	BCR (R/C)	Gross Cost	Gross Return	Net return	BCR (R/C)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Poplar	VE	Fast & improved clone of poplar	G-48	04	0.4													

Poplar Girth in Cm. = 3.5 cm for 01 year plantation.

III. (A) Achievements on Training (Jan. 2019 to Dec. 2019) Brief Achievement of Training

Discipline	No. of courses	Others			SC/ST			G.Total
		Male	Female	Total	Male	Female	Total	
Practicing Farmers & Farm Women								
On Campus								
Crop Production	01	20	-	20	-	-	-	20
Horticulture	02	40	-	40	-	-	-	40
Agro Forestry	08	140	01	141	19	-	19	160
Soil Sciene	08	136	05	141	19	-	19	160
Plant protection	01	18	-	18	02	-	02	20
Plant Breeding	08	125	-	125	35	-	35	160
Total	28	479	06	485	75	-	75	560

Practicing Farmers & Farm Women								
Off Campus								
Horticulture	02	40	-	40	-	-	-	40
Agro Forestry	05	68	-	68	32	-	32	100
Soil Science	08	145	-	145	15	-	15	160
Plant protection	02	39	-	39	01	-	01	40
Plant Breeding	08	133	-	133	27	-	27	160
Total	25	425	-	425	75	-	75	500

Rural Youth								
Horticulture	-	-	-	-	-	-	-	-
Agro Forestry	-	-	-	-	-	-	-	-
Soil Science	03	26	-	26	04	-	04	30
Plant Protection	-	-	-	-	-	-	-	-
Plant Breeding	04	30	-	30	10	-	10	40
Total	07	36	-	36	14	-	14	70

Extension functionaries								
Horticulture	-	-	-	-	-	-	-	-
Agro Forestry	03	27	-	27	03	-	03	30
Soil Science	05	42	-	42	08	-	08	50
Plant protection	01	06	-	06	04	-	04	10
Plant Breeding	07	51	-	51	10	-	10	70
Total	16	126	-	126	34	-	34	160

III. (B) Training programme
Farmers' Training including sponsored training programme
A) On Campus)

Thematic Area	No. of courses	No. of participants								
		Others			SC/ST			Grand Total		
		M	F	T	M	F	T	M	F	T
A) Farmers & Farm Women										
I. Crop production										
- Weed management										
Resource Conservation Technology										
Cropping system										
Micro irrigation/ irrigation										
Nursery management										
Integrated Crop Management	01	20	-	20	-	-	-	20	-	20
Integrated nutrient management										
Others (Plant Breeding)	07	107	-	107	33	-	33	140	-	140
Total	08	127	-	127	33	-	33	160	-	160
II. Horticulture										
(a) Vegetable crops										
Nursery raising										
Others - - Production technology	01	20	-	20	-	-	-	20	-	20
Total (a)	01	20	-	20	-	-	-	20	-	20
(b) Fruits										
Training & Pruning	-	-	-	-	-	-	-	-	-	-
Manag. of young orchards	01	20	-	20	-	-	-	20	-	20
Total (b)	01	20	-	20	-	-	-	20	-	20
(c) Ornamental plants										
Total (c)										
(e) Tuber Crops										
Total (e)										

(f) Spices										
Total (f)	-	-	-	-	-	-	-	-	-	-
(g) Medicinal & Aromatic plants										
- Production & Management Tech.	01	18	-	18	02	-	02	20	-	20
- Cultivation of fruits										
Total (g)	01	18	-	18	02	-	02	20	-	20
Total (a-g)	03	58	-	58	02	-	02	60	-	60
III. Soil Health and Fertility Management										
Soil Fertility Management	-	-	-	-	-	-	-	-	-	-
INM	02	36	-	36	04	-	04	40	-	40
Production & use of organic inputs	01	19	-	19	01	-	01	20	-	20
Micro-nutrient deficiency in crops	04	68	-	68	12	-	12	80	-	80
Balance use of fertilizers	01	13	05	18	02	-	02	15	5	20
Soil & Water testing	-	-	-	-	-	-	-	-	-	-
Total	08	136	05	141	19	-	19	155	5	160
IV. Livestock Production and Management										
- Dairy Management	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
VII. Plant Protection										
- IPM	-	-	-	-	-	-	-	-	-	-
- IDM	01	18	-	18	02	-	02	20	-	20
Total	01	18	-	18	02	-	02	20	-	20
XI. Agro forestry										
- Production technology	05	93	-	93	07	-	07	100	-	100
Nursery management										
Integrated Farming Systems	03	47	01	48	12	-	12	59	01	60
Others (pl specify)										
Total	08	140	01	141	19	-	19	159	01	160
GRAND TOTAL	28	479	06	485	75	-	75	554	06	560

B) Off Campus

Thematic Area	No. of courses	No. of participants								
		Others			SC/ST			Grand Total		
		M	F	T	M	F	T	M	F	T
A) Farmers & Farm Women										
I. Crop production										
- Weed management										
Cropping System										
Integrated Crop Management										
Integrated nutrient management										
Others (Plant Breeding)	07	115	-	115	25	-	25	140	-	140
Total	07	115	-	115	25	-	25	140	-	140
II. Horticulture										
(a) Vegetable crops										
Others (Production technique)	-	-	-	-	-	-	-	-	-	-
Total (a)	-	-	-	-	-	-	-	-	-	-
(b) Fruits										
- Training & Pruning	01	20	-	20	-	-	-	20	-	20
Others (Nursery Management)	01	20	-	20	-	-	-	20	-	20
Total (b)	02	40	-	40	-	-	-	40	-	40
(c) Ornamental plants										
Total (c)										
(e) Tuber Crops										
- Production & Management Tech.										
Total (e)										
(f) Spices										
Total (f)										

(g) Medicinal & Aeromatic plants										
- Production & Management Tech.	01	18	-	18	02	-	02	20	-	20
- Cultivation of fruits										
Total (g)	01	18	-	18	02	-	02	20	-	20
Total (a-g)	03	58	-	58	02	-	02	60	-	60
III. Soil Health and Fertility Management										
Soil Fertility Management	-	-	-	-	-	-	-	-	-	-
INM	02	40	-	40	-	-	-	40	-	40
Production & use of organic inputs	03	47	-	47	13	-	13	60	-	60
Micro-nutrient deficiency in crops	01	20	-	20	-	-	-	20	-	20
Balance use of fertilizers	01	20	-	20	-	-	-	20	-	20
Soil & Water testing	01	18	-	18	02	-	02	20	-	20
Total	08	145	-	145	15	-	15	160	-	160
IV. Livestock Production and Management										
- Feed & fodder technology										
Total										
VII. Plant Protection										
- IPM	02	39	-	39	01	-	01	40	-	40
- IDM	-	-	-	-	-	-	-	-	-	-
Total	02	39	-	39	01	-	01	40	-	40
XI. Agro forestry										
- Production technology	03	48	-	48	12	-	12	60	-	60
Nursery management	02	20	-	20	20	-	20	40	-	40
Others										
Total	05	68	-	68	32	-	32	100	-	100
GRAND TOTAL	25	425	-	425	75	-	75	500	-	500

C. On + Off Campus

Thematic Area	No. of courses	No. of participants								
		Others			SC/ST			Grand Total		
		M	F	T	M	F	T	M	F	T
A) Farmers & Farm Women										
I. Crop production										
- Weed management										
Resource Conservation Technology										
Cropping system										
Micro irrigation/ irrigation										
Nursery management										
Integrated Crop Management	01	20	-	20	-	-	-	20	-	20
Integrated nutrient management										
Others (Plant Breeding)	14	222	-	222	58	-	58	280	-	280
Total	15	242	-	242	58	-	58	300	-	300
II. Horticulture										
(a) Vegetable crops										
Nursery raising										
- Others	01	20	-	20	-	-	-	20	-	20
Production technology										
Total (a)	01	20	-	20	-	-	-	20	-	20
(b) Fruits										
Training & Pruning	01	20	-	20	-	-	-	20	-	20
Nursery Mangt.	01	20	-	20	-	-	-	20	-	20
Manag. of young orchards	01	20	-	20	-	-	-	20	-	20
Total (b)	03	60	-	60	-	-	-	60	-	60
(c) Ornamental plants										
Total (c)										
(e) Tuber Crops										
- Prod. & Manag. Tech.										
Total (e)										

(f) Spices										
- Production & Management Tech.										
Total (f)										
(g) Medicinal & Aeromatic plants										
- Production & Management Tech.	02	36	-	36	04	-	04	40	-	40
- Cultivation of fruits										
Total (g)	02	36	-	36	04	-	04	40	-	40
Total (a-g)	06	116	-	116	04	-	04	120	-	120
III. Soil Health and Fertility Management										
Soil Fertility Management	-	-	-	-	-	-	-	-	-	-
INM	04	76	-	76	04	-	04	80	-	80
Production & use of organic inputs	04	66	-	66	14	-	14	80	-	80
Micro-nutrient deficiency in crops	05	88	-	88	12	-	12	100	-	100
Balance use of fertilizers	02	33	05	38	02	-	02	35	05	40
Soil & Water testing	01	18	-	18	02	-	02	20	-	20
Total	16	281	05	286	34	-	34	315	05	320
IV. Livestock Production and Management										
Total										
VII. Plant Protection										
- IPM	02	39	-	39	01	-	01	40	-	40
- IDM	01	18	-	18	02	-	02	20	-	20
Total	03	57	-	57	03	-	03	60	-	60
XI. Agro forestry										
- Production technology	07	141	-	141	19	-	19	160	-	160
Nursery management	02	20	-	20	20	-	20	40	-	40
Integrated Farming Systems	03	47	01	48	12	-	12	59	01	60
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	12	208	01	209	51	-	51	259	01	260
GRAND TOTAL	53	904	06	910	150	-	150	1054	06	1060

D. RURAL YOUTH / VOCATIONAL TRAINING (ON CAMPUS)

Area of training	No. of courses	No. of participants								
		Others			SC/ST			Grand Total		
		M	F	T	M	F	T	M	F	T
Production of organic inputs										
Vermi composting	-	-	-	-	-	-	-	-	-	-
Planting Material Prod.	-	-	-	-	-	-	-	-	-	-
Mushroom production	-	-	-	-	-	-	-	-	-	-
Bee Keeping	-	-	-	-	-	-	-	-	-	-
Seed Production (Rice, wheat, urd & Mustard)	04	30	-	30	10	-	10	40	-	40
Grand Total	04	30	-	30	10	-	10	40	-	40

E. RURAL YOUTH / VOCATIONAL TRAINING (OFF CAMPUS)

Area of training	No. of courses	No. of participants								
		Others			SC/ST			Grand Total		
		M	F	T	M	F	T	M	F	T
Production of organic inputs	02	16	-	16	04	-	04	20	-	20
Vermi composting	01	10	-	10	-	-	-	10	-	10
Planting Material Prod.										
Mushroom production										
Bee Keeping										
Seed Production (Rice)										
Dairying										
Sheep and goat rearing										
Poultry production										
Grand Total	03	26	-	26	04	-	04	30	-	30

F. RURAL YOUTH / VOCATIONAL TRAINING (ON + OFF CAMPUS)

Area of training	No. of courses	No. of participants								
		Others			SC/ST			Grand Total		
		M	F	T	M	F	T	M	F	T
Production of organic inputs	02	16	-	16	04	-	04	20	-	20
Vermi composting	01	10	-	10	-	-	-	10	-	10
Press mud composting										
Mushroom production										
Bee Keeping										
Seed Production (Rice, wheat, urd & mustard)	04	30	-	30	10	-	10	40	-	40
Planting Material Production (Medicinal & Aromatic plants)										
Commercial spices production	-	-	-	-	-	-	-	-	-	-
Commercial Fruit Production & Nursery	-	-	-	-	-	-	-	-	-	-
Dairying	-	-	-	-	-	-	-	-	-	-
Sheep and goat rearing	-	-	-	-	-	-	-	-	-	-
Poultry production	-	-	-	-	-	-	-	-	-	-
Grand Total	07	56	-	56	14	-	14	70	-	70

G. EXTENSION PERSONNEL (OFF CAMPUS)

Area of training	No. of courses	No. of participants								
		Others			SC/ST			Grand Total		
		M	F	T	M	F	T	M	F	T
INM	03	22	-	22	08	-	08	30	-	30
Production & use of organic inputs	02	20	-	20	-	-	-	20	-	20
Productivity enhancement in field crops	06	44	-	44	16	-	16	60	-	60
Integrated pests management	01	06	-	06	04	-	04	10	-	10
Productivity enhancement of Horticultural crops	-	-	-	-	-	-	-	-	-	-
Productivity enhancement of Agro-forestry	02	18	-	18	02	-	02	20	-	20
Disease Management of farm animals	-	-	-	-	-	-	-	-	-	-
Production enhancement of medicinal & aeromatic crop	-	-	-	-	-	-	-	-	-	-
Livestock feed and fodder production	-	-	-	-	-	-	-	-	-	-
Women and child care	-	-	-	-	-	-	-	-	-	-
Others (Seed Production)	01	07	-	07	03	-	03	10	-	10
Nursery Management	01	09	-	09	01	-	01	10	-	10
Grand Total	16	126	-	126	34	-	34	160	-	160

F. Sponsored training programmes

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop production and Management										
Increasing production and Productivity of crops										
Commercial production of vegetables & Fruits										
Production and value addition										
Fruit Plants										
Ornamental plants										
Spices crops										
Soil health and fertility management Vermi composting										
Production of inputs at site										
Methods of protective cultivation										
Others										
Press mud composting										
F.T.T (08-10 March. 2019)	01	39	-	39	11	-	11	50	-	50
Total	01	39	-	39	11	-	11	50	-	50
Post harvest technology and value addition										
Processing and value addition										
Others (Pl. specify)										
Total										
Farm machinery										
Farm machinery,tools and implements										
Others (Pl. specify)										
Total										
Livestock and fisheries										
Livestock production and management Goat rearing										
Animal Nutrition management										
Animal disease management										
Fisheries nutrition										
Fisheries management										

Others(pl. specify) Poultry farming										
Total										
Home science										
Household nutritional security										
Economic empowerment										
Drudgery reduction of women										
Others (Pl. specify)										
Total										
Agricultural Extension										
Capacity Building and group dynamics										
Others (Pl. specify)										
Total										
Grand Total	01	39	-	39	11	-	11	50	-	50

Name of sponsoring agencies involved – F.T.T. programme funded by U.P. Govt.

G. 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 (Papaya & banana)	-	-	-	-	-	-	-	-	-	-
Commercial spices production										
Integrated crop management	-	-	-	-	-	-	-	-	-	-
Organic farming										
Total										
Post harvest technology and value addition										
Value addition	-	-	-	-	-	-	-	-	-	-
Others (pl. specify)	-	-	-	-	-	-	-	-	-	-
Total										
Livestock and fisheries										
Dairy farming	-	-	-	-	-	-	-	-	-	-
Composite fish culture										
Goat rearing										
Piggery										
Poultry farming										
Others (pl. specify)										
Total										

Income generation activities										
Production of organic inputs										
Vermicomposting	-	-	-	-	-	-	-	-	-	-
Prees mud composting	-	-	-	-	-	-	-	-	-	-
Production of bio-agents, bio-pesticides, bio-fertilizers etc.	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Seed production (Rice & Wheat)	-	-	-	-	-	-	-	-	-	-
Sericulture	-	-	-	-	-	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-	-	-	-	-	-
Nursery (Planting material production).	-	-	-	-	-	-	-	-	-	-
Nursery (Planting material production). of Agroforestry trees	-	-	-	-	-	-	-	-	-	-
Tailoring, stitching, embroidery, dying etc.	-	-	-	-	-	-	-	-	-	-
Agril. para-workers, para-vet training	-	-	-	-	-	-	-	-	-	-
Others (pl. specify) Bee-keeping	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
Agricultural Extension	-	-	-	-	-	-	-	-	-	-
Capacity building and group dynamics	-	-	-	-	-	-	-	-	-	-
Others (pl. specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
Grand Total	-	-	-	-	-	-	-	-	-	-

IV. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
Advisory Services	50	50	-	50
Diagnostic visits	06	58	-	58
Field Day	01	22	-	22
Group discussions	-	-	-	-
Kisan Ghosthi	20	2015	125	2140
Film Show	11	Mass	Mass	Mass
Self -help groups				
Kisan Mela	03	915	28	943
Exhibition	02	713	28	741
Scientists' visit to farmers field	205	1389	-	1389
Ex-trainees Sammelan	-	-	-	-
Farmers' seminar/workshop	-	-	-	-
Method Demonstrations	-	-	-	-
Celebration of important days "Swachhita Hi Sewa" campaign & Mahila divas	02	485	-	485
Special day celebration (Kisan Samman Divas)	01	45	-	45
Others (pl. specify)				
Live telecast of kisan pathshala from Lok Bhawan by Hon'ble CM	01	101	05	106
Live streaming – Vagyaniko Ki Baat Kisano Ke Sath	01	86	-	86
NADCP for FMD & Brucellosis and A.I	01	86	15	101
Animal vaccination	01	125 (animals)	-	125
Tree Plantation Prog.	01	105	03	108
Fertilizer Application Awareness Prog.	01	50	-	50
Visit of farmers & farmer group to KVK	272	1534	-	1534
Lecture delivered	62	6200	200	6400
Total	641	13979	404	14383

A. Details of other extension programmes

Particulars	Number
Electronic Media (CD./DVD)	-
Extension Literature	01
News paper coverage	27
Popular articles	01
Radio Talks	02
TV Talks	-
Animal health amps (Number of animals treated)	01
Others (pl. specify) Research Paper/Extension lit. Distributed	01
Total	33

B. Mobile Advisory Services

Name of KVK	Message Type	Type of Messages						Total
		Crop	Lives tock	Weather	Marke-ting	Aware-ness	Other enterp-ri-se	
Moradabad	Text only							
	Voice only	462				Varietal & pest		
	Voice & Text both							
	Total Messages							
	Total farmers Benefitted							

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
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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	Rabi 2018-19 (Wheat)	PBW -725		394.84		supplied to NSC Meerut
	Kharif 2019 (Paddy)	PB – 1509 PB - 1637		91.76 69.68		
	Total			556.28		
Oilseeds						
Pulses						
	Total			-		
G.Total				556.28		

Commercial crops						
	Total					
Vegetables						
Flower crops						
Spices						
Fodder crop seeds						
Fiber crops						
Forest Species						

Others (Seed Mixture)						
Grand Total						

A. 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						
Fruits						
Ornamental plants						
Medicinal and Aromatic						
Plantation						
Spices						
Tuber						
Fodder crop saplings						
Forest species						
Others	Flowers	Hybrids		250	250	
Total				250	250	

B. Production of Bio-Products

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

C. Production of livestock materials

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

VII. DETAILS OF SOIL, WATER AND PLANT ANALYSIS

Samples	No. of Samples	No. of Farmers	No. of Villages	Amount realized (Rs.)
Soil	157	157	21	31400.00
Water				
Plant				
Manure				
Others (pl. specify)				
Total	157	157	21	31400.00

VIII. SCIENTIFIC ADVISORY COMMITTEE

Name of KVK	Number of SACs conducted
Krishi Vigyan Kendra, Moradabad - I (21st Feb. 2019)	01

IX. NEWSLETTER

Name of KVK	Number of Copies printed for distribution

X. PUBLICATIONS

Category	Number
Research Paper	-
Technical bulletins	-
Technical reports	04
Others (pl. specify) Article & Leaflets	01
Toatl	05

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

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

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

A. Introduction of alternate crops/varieties - NA

Crops/cultivars	Area (ha)	Number of beneficiaries

B. Major area coverage under alternate crops/varieties - NA

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

C. Farmers-scientists interaction on livestock management - NA

Livestock components	Number of interactions	No.of participants
Total		

D. Animal health camps organised -NA

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

E. Seed distribution in drought hit states - NA

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

F. Large scale adoption of resource conservation technologies - NA

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

G. 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
Review meeting of various programmes implemented by KVKs of U.P	01	01	01
Total	01	01	01

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

A. TITLE

B. Introduction

KVK intervention

Output

Outcome

Impact

1. Case Study
Dr. Hasan Tanveer & Dr. R.K. Singh

“Generation of income of Sri Mukul Kumar Sharma by the use of Chopper and Mulcher for the field preparation of potato crop.”

Sri Mukul Kumar Sharma S/O Sri Vinod Shankar Sharma, Near Gamadevat Mandir, Mohalla Abdulla, Block – Bilari, District – Moradabad – 202411. He is having 05 hectare land and 03 hectare used for potato cropping in the *rabi* 2019-20. There are 06 members in his family and depend on him.

Potato is a major crop after wheat and paddy due to its highest consumption as a routine. Yesteryears, Sri Sharma was used traditional method to prepare potato field with the help of cultivator and disc harrow. He always worried about burning of paddy crop residue in the field and think about a machine which can be utilize crop residue. With this thought keep in mind, Sri Sharma came to Krishi Vigyan Kendra, Bilari, Moradabad and met Dr. Hasan Tanveer, SMS/AP and Dr. R.K. Singh, Prof. & Head for the solution of crop residue burning.

Sri Sharma discussed all the problems related to paddy straw burning and higher cost involved in potato field preparation. We suggested him to use Chopper to cut the stubbles of paddy in small pieces and afterwards use of Mulcher in the field to burry small pieces of paddy stubbles in the soil. We suggested sri Sharma to take advantages of KVK to improve his farming system and increase the income.

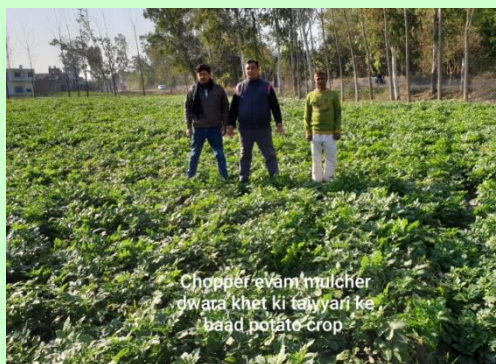
Sri Sharma was getting the technical information regarding Chopper and Mulcher, how to prepare his field by these machineries. He made his field excellent for the purpose of sowing of potato crop during *rabi* 2019-20. Sri Sharma is happy with the use of Chopper and Mulcher and appreciated KVK Bilari, Moradabad for providing above machineries / technologies under crop residue management project. The major benefits are as under:-

- ❖ No burning of paddy straw in the field.
- ❖ Improvement in the amount of organic matter of soil.
- ❖ Pre irrigation of soil preparation is not required
- ❖ Use of chemical fertilizer may be reduced gradually due to mixing of crop residue in the field/soil.
- ❖ Yield of potato is improved as compared to other normal field preparation.

Normal field – 240 – 260 q/ha.

Field prepared with -

chopper and Mulcher – 300 – 320 q/ha.



Success story (Bee-Keeping)

Miss Shobha D/O Sh. Hukum Singh, Village – Nazrana,
Post – Chhajlet, Block – Chhajlet, District – Moradabad (U.P.)
Mobile No. 9837375819



Introduction of the Entrepreneurs –

Miss Shobha is a young entrepreneur who is proceeding with unbridled enthusiasm to change the world around her. Shobha is one of the youngest bee- keeper who is working on this from last 8 years. She left her studies after 5th school standard due to financial constraints and also being distant from her home but now, getting positive result from her enterprise she is even pursuing M.A. final (sociology). Her father is a small farmer and she is also engaged in farming with her father.

Resources possessed-

Her father is a small farmer, thereby holding 1.1 ha. land. Also, a tube well is attached with the farm land. Around 2-3 milch animals are there.

Sources of motivation –

Shobha is high on self motivation. It is her inner motivation that keeps her going. She also inspires other people of her area.

Technology and innovation adopted –

- ❖ First of all we prepare Queen Cell cup with the help of melted bee wax and cell cup farming stick.
- ❖ After that affix Queen Cell cups to a wooden cell bars of Queen rearing frame.
- ❖ Take the larvae less than 24 hours age by grafting needle carefully and transfer them in to Queen Cell cup with sufficient amount of royal jelly for larvae.
- ❖ Provide larval frame in to cell builder coloney.
- ❖ The Queen Cells are constructed /raised and sealed by bees in about 10 days after larval grafting.
- ❖ It is must that before the emergence of the Queen, the sealed Queen Cell are transplanted one by one in to dequeened colonies.

Achievements/Results -

Income and Expenditure from bee keeping

Year	No. of boxes (colonies)	Yield of honey(kg)	Yield of wax (kg)	No. of artificial Queen Cell produced (nos.)	Sale rate of honey (Rs./kg)	Sale rate of wax (Rs./kg)	Sale rate of artificial Queen Cell (Rs. per cell)	Total income (Honey + wax + Queen Cell) (Rs.)	Total Expenditure (Rs.)	Net income (Rs.)
2018	25	775	6.5	1000	120	275	25	119788	63750	56038 + 25000 (Cost of increased frames of bees) Total - Rs. 81038
2019	50	1600	13.75	2250	125	250	25	259688	115000	144688 + 45000 (Cost of increased frames of bees) Total – Rs. 189688

Contributing factors -

- ❖ The great helping hand in this venture is of parents and family.
- ❖ Before start her bee-keeping she took training from syndicate bank which helps her a lot in building her enterprise.
- ❖ Good days started when she started *Artificial Mass Rearing of Queen Bees/ Queen Cell* and saling them with honey and wax production with the technical help of KVK, Moradabad – I.

Awards/Recognitions received -

- ❖ She was awarded with Mandal Level Khaadi Gramodyog Board award in 2014-15 for queen grafting.
- ❖ She was awarded with Malala award in year 2015 for bee-keeping.
- ❖ She was awarded with woman innovator award for 100 city 100 face in year 2019.
- ❖ She was also awarded with district level Khaadi Gramodyog award 2020.

Importance for other farmers –

She is giving training to other farmers of bee-keeping free of cost. This will help them in generating more income and have better livelihood. It also helps the farmers to learn innovations in bee-keeping.



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
1	KVK Moradabad	SVPUA & T, Meerut	Dr. S.D. Singh

B. Details on Farmer's visit (Jan 2019 to Dec 2019)

S. No	Purpose of visit	Number of farmer's visited
01	Technology Information	62
02	Technology Products	-
03	Others if any pl. specify	-

C. Facilities in the ATIC which are in operation (Jan 2019 to Dec 2019)

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

D. Technology information provide

D.1. Details on technology information (Jan 2019 to Dec 2019)

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	Other specify									
	Advisory services through mobile	01	62	20	15	15	06	06	-	-

D.2 . Publications (Print & Electronic media) (Jan 2019 to Dec 2019)

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 (Jan 2019 to Dec 2019)

S. No	Particulars	Quantity	Unit of quantity	Value in Rs.	Number of farmers benefited
01	Seeds				
02	Planting materials				
03	Livestock				
04	Poultry birds				
05	Bio-products	-			
06	Others pl. specify				

F. Technology services provided (Jan 2019 to Dec 2019)

S. No	Particulars	Number of farmers benefited
01	Soil and water testing	157
02	Plant diagnostics	130
03	Details about the services to line Departments	Inspection of Agri. & Horticulture Dept. farms
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 (Jan 2019 to Dec 2019)

S. No.	Details of workshop/meeting conducted	No. of KVKs participated
1		

C. Visits made by DE / Officials in the Directorate to KVKs (Jan 2019 to Dec 2019)

S. No.	Particulars	Number of visits
01	SAC meetings	01
02	Field days	-
03	Workshops / seminars	02
04	Technology week	-
05	Training programmes	-
06	Others pl. specify - Visit of Hon'ble VC sir	01

D. Overseeing of KVKs activities (Jan 2019 to Dec 2019)

S. No.	Particulars	Number of fields visited	Major observations / remarks	Major suggestions given
01	On Farm Trials	01	Appreciated	-
02	Front Line Demonstration	01	Appreciated	Before conducting demonstration Soil testing must be done
03	Others pl. specify Hon'ble VC sir	01	- Standing crop - paddy crop, Elite clone nursery, KVK campus, ATIC, ITC lab, Soil testing lab etc. - Appreciated all activities	- Crop residue should not burn - White washing of administrative building - More agricultural technology should be on display board

E. Publication on Technology inventory (Jan 2019 to Dec 2019)

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

F. Technological Products provided to KVKs(Jan 2019 to Dec 2019)

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	

STATUS OF REVOLVING FUND

Year	Opening balance as on 1 st April	Income during the year	Expenditure during the year	Net balance in hand as on 31st March 2019 of each year
2004 to 2005	100000.00	-	-	100000.00
2005 to 2006	100000.00	5640.17	90000.00	15640.17
2006 to 2007	15640.17	421859.41	235655.00	201844.58
2007 to 2008	201844.58	849384.00	392750.00	658478.58
2008 to 2009	658478.58	719344.00	647175.00	730647.58
2009-2010	730647.58	707686.75	714716.00	723618.33
2010-2011	723618.33	1041445.00	1248059.00	517004.33
2011-2012	517004.33	1536614.00	1177472.00	876146.33
2012-2013	876146.33	655085.00	768039.00	763192.00
2013-2014	763192.33	1483366.00	1929540.60* (1129540.60+800000)	317017.73
2014-15	317017.73	1036802.00	1050996.50	302823.23
2015-16	302823.23	776524.00	879725.50	199621.73
2016-17	199621.73	581546.73	765570.84	15597.86
2017-18	15597.86	1527164.00	193018.36	1349743.50
2018-19	1061612.50	1239523.00	873112.06	1428023.44

Details of Training Programme

Annexure - 1

(i) ON Campus training for Practicing Farmers and farm Women

Subject	Title	Date	Clientele	Duration in days	Venue off/on	No. of Participants			Number of SC/ST		
						M	F	Total	M	F	Total
1st Quarter											
Crop Production	i. Inter cropping of urdbean in S.cane ratoon.	26 April 19	PF	1	On	20	-	20	-	-	-
Horticulture	i. For better health to grow organic vegetable.	29 April 19	PF	1	On	20	-	20	-	-	-
	ii. Plantation of new orchards, Mango.	22 June 19	PF	1	On	20	-	20	-	-	-
Soil Science	i. Method of soil samples collection.	15 May 19	PF	1	On	13	05	18	2	-	2
	ii. Use of bio-fertilizer in paddy nursery.	14 June 19	PF	1	On	15	-	15	05	-	05
Plant protection	i. Integrated insect & disease management in mentha crop.	20 April 19	PF	1	On	18	-	18	2	-	2
Plant breeding	i. Improved varieties of paddy and their production technique.	16 May 19	PF	1	On	08	-	08	12	-	12
	ii. Improved varieties of urdbean and their production technique	11 June 19	PF	1	On	18	-	18	2	-	2
Agro-forestry	i. Suitable plant for environment.	14 May 2019	PF	1	On	20	-	20	-	-	-
	i. Agro-forestry systems for farmers	21 May 2019	PF	1	On	20	-	20	-	-	-

Subject	Title	Date	Clientele	Duration in days	Venue off/on	No. of Participants			Number of SC/ST		
						M	F	Total	M	F	Total
IInd Quarter											
Horticulture	i. . Tomato production for income generating.	3Aug 2019	PF	1	On	19	-	19	1	-	1
Soil Science	i. Importance of water soluble fertilizer in paddy.	18 July 19	PF	1	On	19	-	19	01	-	01
	ii. Use of foliar spray of zinc and urea in paddy.	17 Sept. 19	PF	1	On	14	-	14	06	-	06
Plant breeding	i New varieties of urdbean and their production tech.	20 July 19	PF	1	On	11	-	11	9	-	9
	ii. New varieties of rapeseed & mustard and their production tech.	11 Sept. 19	PF	1	On	15	-	15	5	-	5
Agro- forestry	i. Plantation technology of Agro-forestry plants.	21 Aug. 2019	PF	1	On	18	-	18	2	-	2
	ii. Diseases management in Agro-forestry plants	25 Sept. 2019	PF	1	On	19	-	19	1	-	1

Subject	Title	Date	Clientele	Duration in days	Venue off/on	No. of Participants			Number of SC/ST		
						M	F	Total	M	F	Total
IIIrd Quarter											
Soil Science	i. Use of Vermi-compost & Nedap for soil health	22 Oct. 2019	PF	1	On	19	-	19	01	-	01
	ii. Importance of Micro-nutrients in Rabi crops.	25 Nov. 2019	PF	1	On	19	-	19	01	-	01
Plant breeding	i Improved varieties of wheat under timely sown condition and their production technique.	04 Nov. 19	PF	1	On	19	-	19	01	-	01
	ii. Improved varieties of wheat under late sown condition and their production technique	19 Nov. 19	PF	1	On	18	-	18	02	-	02
Agro- forestry	i. Vegetable prod. in Agro-forestry system.	22 Oct. 2019	PF	1	On	20	-	20	-	-	-
	ii. Cereals crops in Agro-forestry system.	30 Nov. 2019	PF	1	On	09	01	10	10	-	10

Subject	Title	Date	Clientele	Duration in days	Venue off/on	No. of Participants			Number of SC/ST		
						M	F	Total	M	F	Total
IVth Quarter											
Soil Science	i. Use of water soluble fertilizers in wheat.	23 Jan. 2020	PF	1	On	17	-	17	03	-	03
	ii. Importance of micro-nutrient management in S.cane.	20 Feb. 2020	PF	1	On	20	-	20	-	-	-
Plant breeding	i. New varieties of <i>Mentha</i> and their production technique.	09 Jan. 20	PF	1	On	18	-	18	02	-	02
	ii. New varieties of maize and their production technique.	04 Feb 20	PF	1	On	18	-	18	02	-	02
Agro- forestry	i. Different clones of Poplar.	25 Feb. 2020	PF	1	On	15	-	15	5	-	5
	ii. Care during poplar plantation	29 Feb. 2020	PF	1	On	19	-	19	1	-	1

(ii) OFF Campus training for Practicing Farmers and Farm Women

Subject	Title	Date	Clientel e	Duration in days	Venue off/ on	No. of Participants			Number of SC/ST		
						M	F	Total	M	F	Total
1st Quarter											
Horticulture	i. Scientific method of papaya raising nursery.	10May 2019	PF	1	Palia Sanai	20	-	20	-	-	-
Soil Science	i. Aim of soil testing.	25 April 19	PF	1	Khanpur	20	-	20	0	-	0
	ii. Deficiency symptoms of micro-nutrients in S.cane	20 May 19	PF	1	Khanpur	20	-	20	0	-	0
Plant protection	i. Precaution during the use of pesticides and selection of pesticides and technique of solution making.	28 April 2019	PF	1	Khanpur	19	-	19	1	-	1
	ii Integrated insect management in sugarcane	23 May 19	PF	1	Hajipur	20	-	20	-	-	-
Plant breeding	i. New varieties of paddy and their production technique	22 May 19	PF	1	Thawla	20	-	20	-	-	-
	i. New varieties of urd and their production technique	13 June 19	PF	1	Fathehpur Natha	20	-	20	-	-	-

Subject	Title	Date	Clientele	Duration in days	Venue off/on	No. of Participants			Number of SC/ST		
						M	F	Total	M	F	Total
IInd Quarter											
Horticulture	i.. Pruning technique in old guava orchard & intercropping of tomato for extra income.	5July 2019	PF	1	Bilari	20	-	20	-	-	-
Soil Science	i. Application of balance fertilizers in S.cane based on soil testing.	17 July 19	PF	1	Basera Khas Khanpur	18	-	18	02	-	02
	ii. Use of Zypsum in pulse crop.	24 Aug. 19	PF	1		14	-	14	06	-	06
Plant breeding	i. Sucker production technique in <i>Mentha</i>	23 July 19	PF	1	Khata	13	-	13	7	-	7
	ii. New varieties of rapeseed & mustard and their production technique	28 Aug. 19	PF	1	Verdha	10	-	10	10	-	10
	iii. New varieties of sugarcane and their production technique	18 Sept. 19	PF	1	Goverdhanpur Thanwla	20	-	20	-	-	-
Agro-forestry	i. Nursery Management of different Agro-forestry plant.	27 Aug. 2019	PF	1	Bilari	3	-	3	17	-	17
	ii. Prunning of Agro-forestry Plants.	16 Sept. 19	PF	1	Thanwla	20	-	20	-	-	-

Subject	Title	Date	Clientele	Duration in days	Venue off/on	No. of Participants			Number of SC/ST		
						M	F	Total	M	F	Total
IIIrd Quarter											
Soil Science	i. Importance of water soluble fertilizers in Kharif. Use of Zypsum in pulse crop.	21 Oct. 19	PF	1	Sihali ladda	20	-	20	-	-	-
	ii. Use of bio-fertilizers in Rabi crops to improve the farmers income.	16 Nov. 19	PF	1	Harora	14	-	14	06	-	06
Plant breeding	i. Improved varieties of wheat and their production technique	06 Nov. 19	PF	1	Narukhera	20	-	20	-	-	-
	ii Varieties of wheat under late sown condition and their production technique	21 Nov. 19	PF	1	Khanpur	12	-	12	08	-	08
Agro-forestry	i. Plantation of Agro-forestry plants in different conditions.	24 Oct. 2019	PF	1	Khanpur	09	-	09	11	-	11
	ii. Seed production & collection of different Agro-forestry plants..	11 Dec. 19	PF	1	Sihali ladda	17	-	17	03	-	03

Subject	Title	Date	Clientele	Duration in days	Venue off/on	No. of Participants			Number of SC/ST		
						M	F	Total	M	F	Total
IVth Quarter											
Soil Science	i. Importance of inter cropping in S.cane for soil health.	24 Jan. 20	PF	1	Sihali ladda	20	-	20	-	-	-
	ii. Use of foliar spray of water soluble fertilizers in wheat crop..	22 Nov.20	PF	1	Khanpur	20	-	20	-	-	-
Plant breeding	i Improved varieties of <i>Mentha</i> and their production technique.	27 Jan. 20	PF	1	Khanpur	18	-	18	02	-	02
Agro-forestry	i. Insect control in Agro-forestry plants.	24 Feb. 2020	PF	1	Nimeri	19	-	19	01	-	01
	ii. Suitable agro-forestry plants for Agri.	27 Feb. 20	PF	1	Fatehpur Natha	20	-	20	-	-	-

ON Campus/ OFF Campus : Vocational training programme for Rural Youth (ON/OFF Campus)

Subject	Title	Date	Thrust Area	Clientele	Duration in days	Venue off/on	No. of Participants			Number of SC/ST		
							M	F	Total	M	F	Total
Ist Quarter												
Soil Science	Vermi compost prod.	18-23 June 19	Promotion of organic manure	RY	6	Sihali Ladda	10	-	10	0	-	0
Plant breeding	Paddy seed production technique	30-31 May 2019	Promoting seed production technique	RY	6	On/Off	7	-	7	3	-	3
		05-06 Aug. 2019										
		19-20 Sept. 2019										
	Urdbean seed production technique	20-21 June 19	Promoting seed production technique	RY	6	On/Off	6	-	6	4	-	4
		17-18 July 2019										
		12-13 Sept. 2019										

IInd Quarter												
Plant breeding	Seed production technique of mustard	23-24 Sept. 27 – 28 Nov. 11-12 Dec. 2019	Promoting mustard seed Production	RY	6	On/Off	8	-	8	2	-	2
IIIrd Quarter												
Soil Science	Vermi compost prod.	15 ,17 & 21 Oct. 2019	Promotion of organic manure	RY	6	Khanpur	10	-	10	0	-	0
Plant breeding	Wheat seed production technique	30 – 31 Oct 2019 28-29 Jan. 2020 27 – 28 Feb. 2020	Promoting mustard seed Production RY	6	On/Off	9	-	9	1	-	1	
IVth Quarter												
	Nadep & Vermi compost production	10-15 Feb. 2020	Promotion of organic manure	RY	6	Khanpur	06	-	06	04	-	04

(iii) Training Programme for Extension Functionaries

Subject	Title	Date	Clientele	Duration in days	Venue off/on	No. of Participants			Number of SC/ST		
						M	F	Total	M	F	Total
Ist Quarter											
Soil Science	Use of bio-fertilizers in paddy.	15 June 2019	EF	1	Off	8	-	8	2	-	2
Plant protection	Technique of storage of foodgrains.	28 May 2019	EF	1	On/Off	6	-	6	4	-	4
Plant breeding	Seed production of paddy	26 June 2019	EF	1	On/Off	7	-	7	3	-	3
	Varietal description of urdbean	27 June 2019	EF	1	On/Off	7	-	7	3	-	3

IInd quarter											
Soil Science	Use of sulphur in oilseed crops	22 July. 2019	EF	1	On	9	-	9	1	-	1
Plant breeding	Varietal description of Urdbean	25 July 2019	EF	1	On/Off	7	-	7	3	-	3
	Varietal description of sugarcane	30August 2019	EF	1	On/Off	9	-	9	1	-	1
Agro-forestry	Nursery management of Agro-forestry plants	27 July 2019	EF	1	Off	9	-	9	1	-	1
	Plantation tech. of Agro-forestry plants	24 Aug. 2019	EF	1	Off	9	-	9	1	-	1
	Plantation technology of semal & sagon under Agro-forestry system	22 Sept. 2019	EF	1	Off	9	-	9	1	-	1

Subject	Title	Date	Clientele	Duration in days	Venue off/on	No. of Participants			Number of SC/ST		
						M	F	Total	M	F	Total
IIIrd Quarter											
Soil Science	Use of water soluble fertilizers in wheat.	14 Nov. 2019	EF	1	Off	7	-	7	3	-	3
Plant breeding	Improved varieties of wheat and their production technique under timely sown	17 Oct. 2019	EF	1	Off	7	-	7	3	-	3

	Improved varieties of wheat and their production technique under late sown	29 Nov. 2019	EF	1	Off	7	-	7	3	-	3
	Varietal description of lentil	30 Nov. 2019	EF	1	Off	7	-	7	3	-	3

Subject	Title	Date	Clientele	Duration in days	Venue off/on	No. of Participants			Number of SC/ST		
						M	F	Total	M	F	Total
IVth Quarter											
Soil Science	Use of Nadep and Vermi compost for soil health.	31 Jan. 2020	EF	1	Off	7	-	7	3	-	3
	Use of fertilizers on the bases of soil test.	18 Feb. 2020	EF	1	Off	6	-	6	4	-	4