PROFORMA FOR PREPARATION OF ANNUAL REPORT (April-2018-March-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	54	1080	-	1080
Rural youths	07	70	-	70
Extension functionaries	17	170	-	170
Sponsored Training	01	50	-	50
Vocational Training	-	-	-	-
Total	79	1370	-	1370

2. Frontline demonstrations

Enterprise	No. of Farmers	Area (ha)	Units/Animals
Oilseeds	50	20	-
Pulses	50	20	-
Cereals	70	24.0	-
Vegetables	-	-	-
Other crops	04	0.4	-
Hybrid crops	-	-	-
Total	224	84.4	-
Livestock & Fisheries			-
Other enterprises			-
Total			-
Grand Total	**224**	**84.4**	-

3. Technology Assessment & Refinement

Category	No. of Technology Assessed & Refined	No. of Trials	No. of Farmers
Technology Assessed			
Crops	04	20	20
Livestock			
Various enterprises			
Total	04	20	20
Technology Refined			
Crops			
Livestock			
Various enterprises			
Total			
Grand Total	**04**	**20**	**20**

4. Extension Programmes

Category	No. of Programmes	Total Participants
Extension activities	1026	4829
Other extension activities	52	52
Total	1078	4881

5. Mobile Advisory Services

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weather	Market-ing	Aware-ness	Other enterprise	Total
Moradabad	Text only							
	Voice only	925				Vrietal & Pest		
	Voice & Text both							
	Total Messages							
	Total farmers Benefitted							

6. Seed & Planting Material Production

	Quintal/Number	Value Rs.
Seed (q)	503.6	-
Planting material (No.)		
Bio-Products (kg)		
Livestock Production (No.)		
Fishery production (No.)		

7. Soil, water & plant Analysis

Samples	No. of Beneficiaries	Value Rs.
Soil	206	36200
Water		
Plant		
Total	**206**	**36200**

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	02
10	Lead papers	-
11	Seminar papers	-
12	Extension folder	01
13	Proceedings	01
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 1st April 2019)

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	57490 + 10000	14-10-2010	Permanent	9412809032	54	moradabadkvk@gmail.com
2	Subject Matter Specialist	Dr. Sukh Dev Singh	SMS/Prof.	Agro-forestry	37400-67400	53420+ 9000	05-07-11	Permanent	9412522255	53	Plr2008 @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	47	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	50500	01-09-2007	Permanent	9412060554	44	nagendrapratap1973@gmail.com
10	Farm Manager	Dr. Hambir Singh	Farm Manager	Plant Breed	9300-34800	50500	18-08-2007	Permanent	9759173168	49	
11	Accountant / Superintendent	Sri. Sanjay Kumar Sharma	OS/ Accountant	Accounts	9300-34800	64100	18-09-2000	Permanent	9412650468	45	sksharmakvk@gmail.com
12	Stenographer/ computer operator	Sri. Ajay Tomar	Stenographer/ computer operator		5200-20200	38100	30-07-2007	Permanent	8171960800	34	
13	Driver	Sh. Virendra Kumar Mishra	Driver	-	5200-20200	32300	05.12.2003	Permanent	9984580773	45	
14	Driver		Vacant	Vacant					Vacant		
15	Supporting staff	Sri. Ram Kishore	Vill. Attendant	-	2550-3290	33300	09-01-1996	Permanent	9837137652	60	
16	Supporting staff	Sri Sarvesh Kumar	Attendant	-	2550-3290	26000	27-02-2008	Permanent	9760866548	35	

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

oSKkfud lykgdkj lfefr }kjk fn;s x;s lq>koksa dk fooj.k &

Sl.No.	Date	Name and Designation of participants	Silent Recommendations	Action taken
1	21 Feb. 2019	**Mk0 xksiky flag la;qDr funs"kd izlkj l0o0i0 d`f'k ,oa izkS0] fo0fo0] esjB**	1- U;wVªhQkbM iztkfr dk xsgWw dh Qly esa izn"kZu vk;ksftr fd;k tk;sA	Mk0 glu ruohj fo0o0fo0@lgk 0izk0 ¼ikni iztuu½
2		**Mk0 "kadj flag lykgkdkj] vVkjh dkuiqj**	1- lHkh oSKkfud vius fo'k; ls lEcfU/kr d`f'k foKku dsUnz ij dzkidSQsVsfj;k yxk;s rFkk mlds vk; &O;; dk ys[kk tks[kk j[ksaA	leLr oSKkfud
			2- fdlku dh vk; nqxuk djus gsrq fo"ks'k /;ku nsa A	leLr oSKkfud
3		**Mk0 Mh0ds0**	1- i"kqikyu foHkkx ds lg;ksx ls i"kq esyk@cka> fnol dk vk;kstu	leLr oSKkfud

		flag izk/;kid ¼i”kq/ku mRiknu ,oa izcU/ku½ l0o0i0 d`f’k ,oa izkS0] fo0fo0] esjB	fd;k tk;sA	
4		**Mk0 lR; izdk”k izk/;kid ¼m|ku foKku½ l0o0i0 d`f’k ,oa izkS0] fo0fo0] esjB**	1- Presentation esa gj Vsfcy ds uhps fnukad o QksVks yxk;s A	leLr oSKkfud
			2- fu/kkZfjr dk;Zdeksa ds cSuj ij fnukad o xkWo fy[ksa A	leLr oSKkfud
			3- m|ku foKku ds vUrxZr ikS/k fu;erhdj.k ,oa dkWV& NkaV ij izf”k{k.k djsa A	Mk0 lq[knso flag izk/;kid] d`f’k okfudh
			4- e`nk LokF; dkMZ forj.k dk y{; iwjk djsa A	Mk0 ekgu flag fo0o0fo0@lgk 0izk0 ¼e`nk foKku½
5		**Jh eqdqy ikaMs lnL;] oSKkfud lykgdkj lfefr**	1- /kku Qly ij izf”k{k.k ebZ o twu esa Hkh vk;ksftr fd;s tk;s A	Mk0 glu ruohj fo0o0fo0@lgk 0izk0 ¼ikni iztuu½

2.0 DETAILS OF DISTRICT (2018-19)

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	123231	456078	37.08
2.	Lentil	584	388	6.64
3.	Mustard /Toria	2354	2957	12.56
4.	Paddy (Rice)	94533	218182	23.08
5.	Bajra	2519	3799	15.08
6.	Urd	30186	2785	8.74
7.	Sugarcane	46496	2951380	634.76(2016-17)
B	**VEGETABLES**			
1.	Potato	1465	290380	198.21
2.	Onion	45	6790	150.89
3.	Brinjal	445	152510	342.72
4.	Carrot	125	31070	248.56
5.	Bottel guard	172	49690	288.89
6.	Sponge guard	207	49770	240.43
7.				
8.				
9.				

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

S. No.	Month	2018-19
1	Jan	34.46
2	Feb	15.15
3	March	56.38
4	April	25.70
5	May	34.65
6	June	194.78
7	July	367.50
8	Aug	160.70
9	Sept.	42.73
10	Oct.	0
11	Nov.	0
12	Dec.	0
	Total rainfall	932.05
	Avg. rainfall	77.67

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

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

2.7 Details of operation area/villages (2018-19)

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 varietied of different crops. - Pest problems - Lack of knowledge of inter cropping - Crop management & nutrient management. - Disease & insect control of cereals and vegerable 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 2018-19 **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)	Result awaited						
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)	-	16.0					

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 2018-19

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
08	04	33	20	36.4	24.4	109	74

CFLD (Oilseeds,Pulses,)			
3			
Area in ha.		Number of Farmers	
Targets	Achievement	Targets	Achievement
60.0	60.0	150	150

	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	79	54	1580	1080	500	1026	4000	4829
Rural youth	14	07	140	70				
Ext. Functionaries	22	17	220	170				
Sponsered traing	-	01		50				

Seed Production (Qtl.)			Planting material (Nos.)		
6			7		
Target	Achievement	Distributed to no. of farmers	Target	Achievement	Distributed to no. of farmers
200	503.6	Supply to NSC, Meerut	20000	200	04

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 Paddy	Exaluation of Phosphorus & MOP fertilizer on soil test basis. To test the different dose of fertilizers against soil test basis.	01 01	05 05
Varietal Evaluation	Paddy Wheat	Evaluation of higher yielding varities of paddy under rice – wheat system. Evaluation of higher yielding varities of wheat under late sown condition.	01 01	05 05
Integrated Pest Management	S.cane	To test the efficacy of insecticide against early shoot borer in sugar cane.	01	04
Integrated Crop Management				
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**	**24**

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*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*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 2018)

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 - I 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	41.80	-	59784	1:2.14
T_2 – Soil test bases 155:70:55:25 N:P:K & Zn Kg/ha.		48.35	15.66	74748	1:2.34

Final recommendation The data showed in table that T_2 (Use of fertilizer on ***soil test basis)*** in paddy crop. T_2 is found best for proper nutrient. This treatment is able to increase the crop production as compared to T_1.

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

Date of transplanting & harvesting 23-24 July. 2018 and 25-30 Oct. 2018

OFT -2

PEST AND DISEASE MANAGEMENT
(Zaid - 2018)

Problem definition Low yield of sugar cane due to infestation of early shoot borer.

Technology assessed or refined To test the efficacy of insecticide against early shoot borer in sugar cane.

No. of Farmers 04

KVK Moradabad - I conducted on-farm trial to Control of early shoot borer in sugar cane.

Table: Effect of chlorantraniliprole 18.5 SC in control of early shoot borer in sugar cane.

Technology Option	No.of trials	Infestation of early shoot borer (%)	Yield (q/ha)	% Increase in yield over farmer's practice	B:C Ratio
T_1 – use of chloropyriphos 20 EC @ 3.0 lit/ha. (farmers practice)	04	8	775.50	-	1:2.91
T_2 - Use of chlorantraniliprole 18.5 SC @ 375 ml/ha.		6	850.50	9.67	1:3.05

Recommendation The data showed in table that T2 use of chorantraniliprole 18.5 SC @ 375 ml/ha. in 1000 lit. of water in the form of drenching, after 35-45 days of sowing, and after that irrigate the field within two days gave maximum yield 850qt/ha. This treatment is more effective to minimize and control the early shoot borer in comparision to T1 chloropyriphos 20 EC @ 3 lit/ha.

Farmers reactions Chorantraniliprole 18.5 SC @ 375 ml/ha. in 1000 lit. of water drenched plots had healthy plants with more yield and less infestation of early shoot borer as compare to T1. This treatment was highly effective to control early shoot borer.

Date of transplanting & harvesting 28 Feb. – 04 March 2018, 10-15 Feb. 2019

OFT -3

VARIETAL EVALUATION
(Kharif 2018)

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 - I 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. 51228/- 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	41.75	-	36500	1:1.78
T_2 – PD - 26		56.25	34.73	51228	1:2.09

Recommendation The data shown in table that T_2 (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 others.

Date of nursery sowing & harvesting 03-05 June 2018 & 22-26 Oct. 2018

Date of transplanting & harvesting 03-05 July. 2017 & 29-31 Oct. 2017

OFT - 4

INTEGRATED NUTRIENT MANAGEMENT
(Rabi 2018-19)

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 - I 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 120:40:0:0 N:P:K & Zn Kg/ha. (HD - 2967)	05	41.40	-	43031	1:1.29
T_2 – 155:70:50:25. N:P:K & Zn Kg/ha		49.50	19.56	56962	1:2.66

Recommendation The data given in table shows that T_2 (Use of Phosphorus & MOP 155:70:50:25. N:P:K & Zn Kg/ha***)*** in wheat crop. T_2 is found best for proper nutrient. This treatment is able to increase the crop production in comparision to T_1.

Farmers reactions Application of Phosphorus & MOP 155:70:50:25. N:P:K & Zn Kg/ha***.*** is very effective to enhencing in wheat yield.

Date of Sowing & harvesting 05-09 Dec. 2018 and 18-24 April. 2019

Salling Price – 1840 Rs./q

OFT - 5

VARIETAL EVALUATION
(Rabi 2018-19)

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 - I 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	42.10	-	26364	1.51
T_2 – DBW 71		46.55	10.57	33852	1.65

Recommendation The data showed in table that T_2 (***DBW - 71)*** is more suitable in relation to yield as compared to T_1. KVK recommend to the farmers of Moradabad area to use DBW – 71 for late sown condition.

Farmers reactions Use of DBW – 71 variety is good for late sown condition.

Date of Sowing & harvesting 03-05 Dec., 2018 and 24-28 April, 2019

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 2018-19 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 Imidiacloprid 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

Urdbean (Kharif – 2018)

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	Urdbean	- ICM	- ICM through improved seed, weed & insect management	Kharif 2018	20.0	20.0	25	25	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					
Urdbean	Kharif 2017	Irrigated	Loam	Medium	Low	Medium	Mustard/Wheat	17-18 July, 2018	05 -12 Nov. - 2018	-	-

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
Urd	- ICM	ICM through improved seed, weed & insect management	PU- 31	50	20.0	9.44	7.35	8.62	6.73	28.08	20844	47410	26566	1:2.27	19220	37015	17795	1:1.93

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 (Imidaclorpid 17.8 SL).
4	No incidence of pod borer due to timely application of insecticide (Imidaclorpid 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 yield as compare 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	Field Day	01	22	
2.	Farmers Training	01	20	
3	Media coverage	02	mass	

FLD - 2
Mustard

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	Mustard	ICM	- Replacment of local variety of mustard by RH - 749	Rabi 2018-19	20.0	20.0	0	50	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					
Mustard	Rabi 2018-19	Irrigated	Loam	Medium	Low	Medium	Paddy/Pulses	31 Oct-, 2018 to 08 Nov. 2018	18-20 March 2019	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
Mustard	- ICM	- Replacment of local variety of mustard by RH - 749	RH- 749	50	20	22.60	21.40	22.0	18.45	19.24	21915	73700	51785	3.36	20515	61807	41292	3.01

a. Technical feedback

1	RH - 749 is a bold seeded & high yielding variety with good oil content 39%.
2	Grain yield has been increased due to timely sowing & no incidence of Aphids.

b. Farmers reaction on specific technologies

S. N.	Feedback
1	Farmers are agree to mustard variety RH - 749 is good & high yielding variety.
2	Farmers are conveniced to no incidence of aphids due to timely sowing.

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 - 3
Lentil (Rabi 2018-19)

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 2018-19	20.0	20.0	02	48	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 2018-19	Irrigated	Loam	Medium	Low	Medium	Paddy/Bajra	04-12 Nov. 2018	05-10 April 2019	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	11.90	11.10	11.50	9.85	16.75	16800	62100	45300	3.70	14850	53190	38340	3.58

a. 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 2018-19	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 2018-19	Irrigated	Loam	Medium	Low	Medium	Paddy/Urd	05-08 Nov 2018	19-24 April 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
Wheat	WM	Use of Sulfo-Sulfuron 75WP @ 33 gm/ha. .	HD-2967	10	4.0	45.80	41.70	43.65	40.50	7.78	36395	84272	47887	2.32	34245	74520	40075	2.18

Sale **rate – Rs. 1840 per quintal.**

Technical feedback

1	Sulfo Sulfuron 75 WP is more effictive to weed control over to control plot up to 91.30%.
2	Due to tmely management of weed, the grain yield has been increased up to 7.78% 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 2018	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 2018	Irrigated	Sandy loam and loam	Medium	Medium	Medium	Wheat	23-25 July 2018	26-30 Oct. 2018	-	-

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	48.20	47.30	48.20	42.24	14.11	54852	129176	74324	1:2.35	53727	113203	59476	1:2.11

Selling rate – Rs. 2680 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	02	40	
2.	Media coverage	02	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 2018-19	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 2018-19	Irrigated	Sandy loam and loam	Medium	Medium	Medium	Paddy	05.12.18 to 07.12.18	18-22.04.19	-	-

Performance of FLD

	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	INM.	Use of water soluble fertilizers in wheat crop	HD - 2967	15	6.0	49.20	48.10	48.60	40.90	18.83	36860	88688	51828	2.41	35230	75256	40026	2.14

Sale rate – Rs. 1840 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 & 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. : 4

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 2018	2.0	2.0	1	4	05	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 2018	Irrigated	loam and Sandy loam	Low	Low	Medium	Mentha	03.6.18 to 05.6.18	25.10.18 to 30.10.18	-	-

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	Promoting high yielding variety of paddy	To demonstrate the yield potential of HYV of paddy	PD - 24	05	2.0	73.5	52.5	58.5	46.87	24.81	48200	102375	54175	1:2.12	47350	93740	46390	1:1.98

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 - 24 is higher grain yielder as compared to local check (variety – Sharbati).
2	Variety PD - 24 is having good yield potential.

c. Extension and Training activities under FLD

S.No.	Activity	No. of activity organised	No. of participants	Remarks
1	Field Days	01	22	
2.	Farmers Training	02	40	
3.	Training for extension functionaries	01	10	

FLD No. : 5

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 2018	2.0	2.0	-	05	05	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 2018	Irrigated	loam and Sandy loam	Low	Low	Medium	Wheat	22.7.18 to 25.07.18	08.11.18 to 11.11.18	-	-

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 Basmati -2	05	2.0	48.75	41.25	45.94	41.25	11.37	52600	123120	70520	1:2.34	51150	110550	59400	1:2.16

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 Basmati -2 is higher grain yielder as compared to local check (Variety Pusa Basmati - 1509).
2	Variety Pant Basmati -2 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	

FLD No. : 6

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 – HD 2864	Rabi 2018-19	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 2018-19	Irrigated	Sandy loam and loam	Low	Medium	Medium	Paddy	11-11-18 to 19-11-18	18-20 April 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
Wheat	Promoting high yielding variety of wheat	To demonstrate the yield potential of new variety. .	HD 2864	10	2.0	60.0	45.5	52.53	46.25	13.58	52400	96655	44288	1:84	50300	85100	34800	1.69

Sale **rate – Rs. 1840 per quintal.**

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 HD 2864 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. : 7

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 – WR - 544	Rabi 2018-19	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 2018-19	Irrigated	Sandy loam	Low	Medium	Medium	Paddy	30.11.2018 to 03.12.2018	25-30 April 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
Wheat	Promoting HYV of wheat under late sown condition	To demonstrate the yield potential of wheat variety under late sown condition.	WR - 544	10	2.0	48.75	44.0	45.93	42.19	8.86	51800	84511	32711	1.63	51100	77629	26529	1.52

Sale **rate – Rs. 1840 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 WR - 544 is higher grain yielder as compared to variety PBW - 373.
2	Variety WR - 544 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 No. : 8
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	Result	awaited											

FLD No. : 9

Plant Protection : Mentha

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	Mentha	IPM	Control of leaf eating caterpillars through Emamectin Benzoate 5SG @ 250gm/ha. (Two spray)	Zaid 2018	4.0	4.0	04	06	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					
Mentha	Zaid 2018	Irrigated	Loam & Sandy loam	Low	Medium	Medium	Potato	08-11 Feb 2018	12 – 14 June 2018	-	-

Performance of FLD

Crop	Thematic Area	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)	Demo. Yield Kg./ha			Yield of local Check Kg./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
Mentha	IPM	Control of leaf eating caterpillars through Emamectin Benzoate 5SG @ 250gm/ha. (Two spray)	Kosi	10	4.0	134 Kg	127.5 Kg	130.75 Kg	117.25 Kg	11.51	64712	156900	92188	1:2.42	63900	140700	76800	1:2.20

Technical feedback

S.No	Feed Back
1	First spray of Emamectin Benzoate 5SG at the beginning of insect infestation and second spray of Emamectin Benzoate 5SG after 15 to 20 days of first spray is very effective to control the leaf eating caterpillars in mentha and others harmful insects.

b. Farmers reaction on specific technologies

S. N.	Feedback
1	Spray of Emamectin Benzoate 5SG as I and II spray, respectively is very effective to control leaf caterpillars in mentha crop.

c. Extension and Training activities under FLD

S.No.	Activity	No. of activity organised	No. of participants	Remarks
1	Field Days	-	-	
2	Media coverage	01	Mass	

III. (A) Achievements on Training (April 2018 to March 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								
Horticulture	02	31	-	31	09	-	09	40
Agro Forestry	06	106	-	106	14	-	14	120
Soil Sciene	08	117	-	117	43	-	43	160
Plant protection	01	18	-	18	02	-	02	20
Plant Breeding	07	109	-	109	31	-	31	140
Total	**24**	**381**	**-**	**381**	**99**	**-**	**99**	**480**

Practicing Farmers & Farm Women Off Campus								
Horticulture	04	73	-	73	07	-	07	80
Agro Forestry	08	155	-	155	05	-	05	160
Soil Science	08	142	-	142	18	-	18	160
Plant protection	02	39	-	39	01	-	01	40
Plant Breeding	08	140	-	140	20	-	20	160
Total	**30**	**549**	**-**	**549**	**51**	**-**	**51**	**600**

Rural Youth								
Horticulture	-	-	-	-	-	-	-	-
Agro Forestry	02	19	-	19	01	-	01	20
Soil Science	02	18	-	18	02	-	02	20
Plant Protection	-	-	-	-	-	-	-	-
Plant Breeding	03	24	-	24	06	-	06	30
Total	**07**	**61**	**-**	**61**	**09**	**-**	**09**	**70**

Extension functionaries								
Horticulture	-	-	-	-	-	-	-	-
Agro Forestry	03	24	-	24	06	-	06	30
Soil Science	05	40	-	40	10	-	10	50
Plant protection	01	06	-	06	04	-	04	10
Plant Breeding	08	70	-	70	10	-	10	80
Total	**17**	**140**	**-**	**140**	**30**	**-**	**30**	**170**

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										
Integrated nutrient management										
Others (Plant Breeding)	06	94	-	94	26	-	26	120	-	120
Total	**06**	**94**	**-**	**94**	**26**	**-**	**26**	**120**	**-**	**120**
II. Horticulture										
(a) Vegetable crops										
Nursery raising										
Others - - Production technology	01	14	-	14	06	-	06	20	-	20
Total (a)	**01**	**14**	**-**	**14**	**06**	**-**	**06**	**20**	**-**	**20**
(b) Fruits										
Training & Pruning	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	01	17	-	17	03	-	03	20	-	20
Total (b)	**01**	**17**	**-**	**17**	**03**	**-**	**03**	**20**	**-**	**20**
(c) Ornamental plants										
Total (c)										
(e) Tuber Crops										
Total (e)										

(f) Spices										
Total (f)	-	-	-	-	-	-	-	-	-	-
(g) Medicinal & Aeromatic plants										
- Production & Management Tech.	01	15	-	15	05	-	05	20	-	20
- Cultivation of fruits										
Total (g)	**01**	**15**	**-**	**15**	**05**	**-**	**05**	**20**	**-**	**20**
Total (a-g)	**03**	**46**	**-**	**46**	**14**	**-**	**14**	**60**	**-**	**60**
III. Soil Health and Fertility Management										
Soil Fertility Management	-	-	-	-	-	-	-	-	-	-
INM	03	38	-	38	22	-	22	60	-	60
Production & use of organic inputs	02	27	-	27	13	-	13	40	-	40
Micro-nutrient deficiency in crops	02	35	-	35	05	-	05	40	-	40
Balance use of fertilizers										
Soil & Water testing	01	17	-	17	03	-	03	20	-	20
Total	**08**	**117**	**-**	**117**	**43**	**-**	**43**	**160**	**-**	**160**
IV. Livestock Production and Management										
- Dairy Management	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
VII. Plant Protection										
- IPM	01	18	-	18	02	-	02	20	-	20
- IDM	-	-	-	-	-	-	-	-	-	-
Total	**01**	**18**	**-**	**18**	**02**	**-**	**02**	**20**	**-**	**20**
XI. Agro forestry										
- Production technology	05	90	-	90	10	-	10	100	-	100
Nursery management										
Integrated Farming Systems	01	16	-	16	04	-	04	20	-	20
Others (pl specify)										
Total	**06**	**106**	**-**	**106**	**14**	**-**	**14**	**120**	**-**	**120**
GRAND TOTAL	**24**	**381**	**-**	**381**	**99**	**-**	**99**	**480**	**-**	**480**

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										
Croping System										
Integrated Crop Management										
Integrated nutrient management										
Others (Plant Breeding)	07	120	-	120	20	-	20	140	-	140
Total	**07**	**120**	**-**	**120**	**20**	**-**	**20**	**140**	**-**	**140**
II. Horticulture										
(a) Vegetable crops										
Others (Production technique)	01	17	-	17	03	-	03	20	-	20
Total (a)	**01**	**17**	**-**	**17**	**03**	**-**	**03**	**20**	**-**	**20**
(b) Fruits										
-Training & Pruning	01	16	-	16	04	-	04	20	-	20
Manag. of young orchards	01	20	-	20	-	-	-	20	-	20
Total (b)	**02**	**36**	**-**	**36**	**04**	**-**	**04**	**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.	02	40	-	40	-	-	-	40	-	40
- Cultivation of fruits										
Total (g)	**02**	**40**	**-**	**40**	**-**	**-**	**-**	**40**	**-**	**40**
Total (a-g)	**05**	**93**	**-**	**93**	**07**	**-**	**07**	**100**	**-**	**100**
III. Soil Health and Fertility Management										
Soil Fertility Management	-	-	-	-	-	-	-	-	-	-
INM	02	34	-	34	06	-	06	40	-	40
Production & use of organic inputs	03	59	-	59	01	-	01	60	-	60
Micro-nutrient deficiency in crops	01	20	-	20	0	-	0	20	-	20
Balance use of fertilizers	01	09	-	09	11	-	11	20	-	20
Soil & Water testing	01	20	-	20	0	-	0	20	-	20
Total	**08**	**142**	**-**	**142**	**18**	**-**	**18**	**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	05	95	-	95	05	-	05	100	-	100
Nursery management	02	40	-	40	0	-	0	40	-	40
Others	01	20	-	20	0	-	0	20	-	20
Total	**08**	**155**	**-**	**155**	**05**	**-**	**05**	**160**	**-**	**160**
GRAND TOTAL	**30**	**549**	**-**	**549**	**51**	**-**	**51**	**600**	**-**	**600**

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										
Integrated nutrient management										
Others (Plant Breeding)	13	214	-	214	46	-	46	260	-	260
Total	**13**	**214**	**-**	**214**	**46**	**-**	**46**	**260**	**-**	**260**
II. Horticulture										
(a) Vegetable crops										
Nursery raising										
- Others Production technology	02	31	-	31	09	-	09	40	-	40
Total (a)	**02**	**31**	**-**	**31**	**09**	**-**	**09**	**40**	**-**	**40**
(b) Fruits										
Training & Pruning	01	16	-	16	04	-	04	20	-	20
Rejuvenation of old orchards	01	17	-	17	03	-	03	20	-	20
Manag. of young orcgards	01	20	-	20	-	-	-	20	-	20
Total (b)	**03**	**53**	**-**	**53**	**07**	**-**	**07**	**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.	03	55	-	55	5	-	5	60	-	60
- Cultivation of fruits										
Total (g)	**03**	**55**	**-**	**55**	**5**	**-**	**5**	**60**	**-**	**60**
Total (a-g)	**08**	**139**	**-**	**139**	**21**	**-**	**21**	**160**	**-**	**160**
III. Soil Health and Fertility Management										
Soil Fertility Management	-	-	-	-	-	-	-	-	-	-
INM	05	72	-	72	28	-	28	100	-	100
Production & use of organic inputs	05	86	-	86	14	-	14	100	-	100
Micro-nutrient deficiency in crops	03	55	-	55	05	-	05	60	-	60
Balance use of fertilizers	01	09	-	09	11	-	11	20	-	20
Soil & Water testing	02	37	-	37	03	-	03	40	-	40
Total	**16**	**259**	**-**	**259**	**61**	**-**	**61**	**320**	**-**	**320**
IV. Livestock Production and Management										
Total										
VII. Plant Protection										
- IPM	03	57	-	57	03	-	03	60	-	60
- IDM										
Total	**03**	**57**	**-**	**57**	**03**	**-**	**03**	**60**	**-**	**60**
XI. Agro forestry										
- Production technology	10	185	-	185	15	-	15	200	-	200
Nursery management	02	40	-	40	0	-	0	40	-	40
Integrated Farming Systems	01	16	-	16	04	-	04	20	-	20
Others (pl specify)	01	20	-	20	0	-	0	20	-	20
Total	**14**	**261**	**-**	**261**	**19**	**-**	**19**	**280**	**-**	**280**
GRAND TOTAL	**54**	**930**	**-**	**930**	**150**	**-**	**150**	**1080**	**-**	**1080**

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)	-	-	-	-	-	-	-	-	-	-
Seed Production (Rice & wheat)	03	24	-	24	06	-	06	30	-	30
Grand Total	**03**	**24**	**-**	**24**	**06**	**-**	**06**	**30**	**-**	**30**

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	-	-	-	-	-	-	-	-	-	-
Vermi composting	02	18	-	18	02	-	02	20	-	20
Planting Material Prod.	02	19	-	19	01	-	01	20	-	20
Mushroom production										
Bee Keeping										
Seed Production (Rice)										
Dairying										
Sheep and **goat rearing**										
Poultry production										
Grand Total	**04**	**37**	**-**	**37**	**03**	**-**	**03**	**40**	**-**	**40**

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	-	-	-	-	-	-	-	-	-	-
Vermi composting	02	18	-	18	02	-	02	20	-	20
Press mud composting										
Mushroom production										
Bee Keeping										
Seed Production (Rice)	-	-	-	-	-	-	-	-	-	-
Seed Production (Rice & wheat)	03	24	-	24	06	-	06	30	-	30
Planting Material Production (Medicinal & Aromatic plants)	02	19	-	19	01	-	01	20	-	20
Commercial spices production	-	-	-	-	-	-	-	-	-	-
Commercial Fruit Production & Nursery	-	-	-	-	-	-	-	-	-	-
Dairying	-	-	-	-	-	-	-	-	-	-
Sheep and **goat rearing**	-	-	-	-	-	-	-	-	-	-
Poultry production	-	-	-	-	-	-	-	-	-	-
Grand Total	**07**	**61**	**-**	**61**	**09**	**-**	**09**	**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	24	-	24	06	-	06	30	-	30
Production & use of organic inputs	02	16	-	16	04	-	04	20	-	20
Productivity enhancement in field crops										
Integrated pests management	01	06	-	06	04	-	04	10	-	10
Productivity enhancement of Horticultural crops	-	-	-	-	-	-	-	-	-	-
Productivity enhancement of Agro-forestry	-	-	-	-	-	-	-	-	-	-
Disease Management of farm animals	-	-	-	-	-	-	-	-	-	-
Production enhancement of medicinal & aeromatic crop	-	-	-	-	-	-	-	-	-	-
Livestock feed and fodder production	-	-	-	-	-	-	-	-	-	-
Women and child care	-	-	-	-	-	-	-	-	-	-
Others (Seed Production)	08	70	-	70	10	-	10	80	-	80
Nursery Management	03	24	-	24	06	-	06	30	-	30
Grand Total	**17**	**140**	**-**	**140**	**30**	**-**	**30**	**170**	**-**	**170**

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 dyanamics										
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	250	250	-	250
Diagnostic visits	42	130	-	130
Field Day	03	60	-	60
Group discussions	-	-	-	-
Kisan Ghosthi	-	-	-	-
Film Show	08	Mass	Mass	Mass
Self -help groups				
Kisan Mela	01	440	-	440
Exhibition	-	-	-	-
Scientists' visit to farmers field	186	1093	-	1093
Ex-trainees Sammelan	-	-	-	-
Farmers' seminar/workshop	-	-	-	-
Method Demonstrations	01	07	-	07
Celebration of important days “Swachhita Hi Sewa” campaign	01	50	-	50
World soil health Day	01	102	11	113
Mahila Kisan Divas	01	125	-	125
Parthenium Grass Eradication	01	20	-	20
Kisan Kalyan Divas Prog.	01	200	25	225
Special day celebration (Kisan Samman Divas)	01	67	-	67
Exposure visits	-	-	-	-
Others (pl. specify)				
Visit of farmers & farmer group to KVK	400	1382	-	1382
Lecture delivered	129	791	76	867
Total	**1026**	**4717**	**112**	**4829**

A. Details of other extension programmes

Particulars	Number
Electronic Media (CD./DVD)	-
Extension Literature	03
News paper coverage	41
Popular articles	02
Radio Talks	03
TV Talks	01
Animal health amps (Number of animals treated)	
Others (pl. specify) Research Paper	02
Total	**52**

B. Mobile Advisory Services

Name of KVK	Message Type	Type of Messages						
		Crop	**Lives tock**	**Weather**	**Marke-ting**	**Aware-ness**	**Other enterp rise**	**Total**
Moradabad	Text only							
	Voice only	925				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

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	**Paddy Kharif 2018**	**PB 1121**		**102.46**		
	Rabi 2018-19 (Wheat)	**PBW -725**		**394.84**		
Total				**497.3**		
Oilseeds						
Pulses	**Urd Kharif 2018**	**PU - 31**		**6.30**		supplied to NSC Meerut
	Total			**6.30**		
G.Total				**503.6**		

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						
	Poplar	G-48		200	2000	04
Others						
Total				**200**	**2000**	**04**

B. Production of Bio-Products

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

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	**206**	**206**	**203**	**36200**
Water				
Plant				
Manure				
Others (pl.specify)				
Total	**206**	**206**	**203**	**36200**

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	02
Technical bulletins	-
Technical reports	07
Others (pl. specify) Article & Leaflets	-
Toatl	**09**

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

Wheat variety - PBW-550 – Become popular in farmers for their yield and disease resistance in the District- Moradabad.

Situation analysis/problem statement- Sri Dharamveer singh, Vill – Ramnagar Ganngpur, Post – Mangupura, Block- Bilari, , district- Moradabad, a farmer who was selected for timely sown wheat variety and their production technology, training/demonstration. He was used older variety of wheat PBW- 343. This variety was susceptible to yellow rust and give low grain yield.

Plan implement and support – KVK Moradabad – I tried to make him aware regarding scientific cultivation of wheat and it was started from land preparation to harvesting. The KVK had encouraged the farmer for soil testing. On the basis of soil testing, advised him for balance dose of fertilizers which was used in variety PBW- 550. The variety was sown on 15-11-2012 with line sowing and half dose of N_2, full dose of P_2 O_5 and full dose of K_2 O as basal dose application while ¼ part N_2 used after first irrigation (crown root stage) and ¼ part used after 3rd irrigation (tillerig stage).

Output - Sri Dharamveer singh used the balanced dose of fertilizer N:P:K :: 150:60:40 Kg/ha in wheat crop as per suggestion of KVK scientist for his 0.1 ha land. His yield was 5.54 q/1000 sq mt for var. PBW- 550 while in PBW-343 yield 4.25/1000 sq mt and got 28.23% more yield in demonstration. The economic gain in terms of per 1000sq mt unit expenditure, gross income , net return and BCR were recorded as Rs 2150, Rs 6630, Rs 4480 and 1:3.08, respectively.

Outcome – Wheat is a major staple food grain of the district. KVK Moradabad conducted 30 demonstration in 6 village during 2011-12 to 2013-14. The variety PBW- 550 had been spread more than 200 villages of the district and covered 1200 ha area approximately. The impact of this varietal demonstration was motivating farmers comminutes to replace their old varieties having low yield and disease susceptibly.

Impact - Sri Dharamveer singh is now become one of the progressive and aware farmer to popularize PBW-550. He is participating in KVK activities and get aware for his own development. Sri Dharamveer singh is happy with his high production and management technology and ascribe as an example for other farmers of the district.

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 - I	SVPUA & T, Meerut	Dr. S.D. Singh

B. Details on Farmer's visit

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

S. No	Particulars	Availability (Please √ mark)	Number of ATICs
01	Reception counter	√	01
02	Exhibition / technology museum	√	01
03	Touch screen Kiosk	√	01
04	Cafeteria	√	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

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 specifiy									
	Advisory services through mobile	01	62	20	15	15	06	06	-	-

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				
02	Planting materials				
03	Livestock				
04	Poultry birds				
05	Bio-products	-			
06	Others pl. specify				

F. Technology services provided

S. No	Particulars	Number of farmers benefited
01	Soil and water testing	206
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

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	01
02	Field days	-
03	Workshops / seminars	-
04	Technology week	-
05	Training programmes	-
06	Others pl. specify - Visit of Hon'ble VC sir	01

D. Overseeing of KVKs activities

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 resuduce should not burn - White washing of adminstartive building - More agricultural technology should be on display board

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	

STATUS OF REVOLVING FUND

Year	Opening balance as on 1st 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

Annexure-II

KRISHI VIGYAN KENDRA, MORADABAD

Financial Year, 2018-19

(in Rupees)

S.No.		Item	Sanctioned grant (Council's share)	Grant received (Council's share)	Expenditure (Council's share)	Variation		Reason for variation
						(+) Savings	(–) Excess	
A		**Recurring items**						
1		Pay & Allowances	12100000.00	12100000.00	12052522.00	47478.00	0.00	
2		Travelling Allowances	100000.00	100000.00	99356.00	644.00	0.00	
3		HRD	30000.00	30000.00	0.00	30000.00	0.00	
4		**Contingencies**	0.00	0.00	0.00	0.00	0.00	
	a	Stationery, Telephone, postage and other expenditure on office running including printing of reports, including minor repair and white washing of Buildings, including expenditure incurred for Krishi UnnatiMela, etc.	50000.00	50000.00	50000.00	0.00	0.00	
	b	P.O.L, Repair of Vehicles, Tractor and Equipment	120000.00	120000.00	90544.00	29456.00	0.00	
	c	**Vocational Training**	0.00	0.00	0.00	0.00		
		(i) Meals /refreshment for trainees (ceiling upto Rs. 150.00/ day/trainee for the training programmes of residential nature and Rs. 40.00/day/trainee for the training programmes of non-residential nature)	60000.00	60000.00	37169.00	22831.00	0.00	
		(ii) Training material (Posters, charts, demonstrations material including chemicals etc. required for conducting the Training)	30000.00	30000.00	16767.00	13233.00	0.00	
	d	Front line demonstration excluding Oilseeds and Pulses	80000.00	80000.00	40553.00	39447.00	0.00	
	e	On Farm Trial (On need based , location specific and newly generated information in the major production systems of area)	50000.00	50000.00	24093.00	25907.00	0.00	
	f	Training of extension functionaries (ceiling upto Rs. 150.00/ day/trainee for the training programmes of residential nature and Rs. 40.00/day/trainee for the training programmes of non-residential nature)	45000.00	45000.00	800.00	44200.00	0.00	
	g	Library (Purchase of Journal, News Paper & Magazines)	5000.00	5000.00	3310.00	1690.00	0.00	
	h	Farmers' Fair	0.00	0.00	0.00	0.00	0.00	
	i	Misc. Expenditure	0.00	0.00	0.00	0.00	0.00	
		Total (A)	12670000.00	12670000.00	12415114.00	254886.00	0.00	
B		**Non-Recurring items**						
	a	Equipments	0.00	0.00	0.00	0.00	0.00	
	b	Works	0.00	0.00	0.00	0.00	0.00	
	c	Library	0.00	0.00	0.00	0.00	0.00	
	d	Vehicle	0.00	0.00	0.00	0.00	0.00	
		Total (B)	0.00	0.00	0.00	0.00	0.00	
C		Revolving fund	0.00	0.00	0.00	0.00	0.00	
D		**TSP**						
	a	General Contingency						
	b	Capital						
		Total (D)	0	0	0	0	0	
E		**SC SP**	0	0	0	0	0	
	a	General Contingency	350000.00	350000.00	189465.00	160535.00	0.00	
	b	Capital	0	0	0	0	0	
		Total (E)	350000	350000	189465	160535	0	
		Grand Total (A+B+C+D+E)	13020000.00	13020000.00	12604579.00	415421.00	0.00	

संजय कुमार शर्मा
कार्यालय अधीक्षक/लेखाकार
कृषि विज्ञान केन्द्र, मुरादाबाद

डा. राम करण सिंह
प्राध्यापक एवं अध्यक्ष

Annexure - 1

Details of Training Programme

(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
Ist Quarter											
Soil Science	i. Method of soil samples collection.	15 May 18	PF	1	On	17	-	17	3	-	3
	ii. Use of bio-fertilizer in paddy nursery.	19 June 18	PF	1	On	09	-	09	11	-	11
Plant protection	i. Integrated insect & disease management in mentha crop.	20 April 18	PF	1	On	18	-	18	2	-	2
Plant breeding	i. New varieties of paddy and their production technique	9 May 18	PF	1	On	07	-	07	13	-	13
	ii. New varieties of urdbean and their production technique	21 June 18	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
II[nd] Quarter											
Horticulture	i. Growing of nutritional and hygienic vegetables.	12July 2018	PF	1	On	14	-	14	6	-	6
	ii. Rejuvenation of old mango orchard.	12Sept. 2018	PF	1	On	17	-	17	3	-	3
Soil Science	i. importance of water soluble fertilizer in paddy..	18 July 18	PF	1	On	11	-	11	9	-	9
	ii. Use of foliar spray of zinc and urea in paddy.	14 Sept. 18	PF	1	On	12	-	12	8	-	8
Plant breeding	i Improved varieties of basmati rice & their production technique	23 July 18	PF	1	On	19	-	19	1	-	1
Agro-forestry	i. Plantation technology of Agro-forestry plants.	14 Aug. 2018	PF	1	On	18	-	18	2	-	2
	ii. Diseases management in Agro-forestry plants	18 Sept. 2018	PF	1	On	18	-	18	2	-	2

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 Nadep and vermi compost for soil health.	23 Oct. 18	PF	1	On	18	-	18	2	-	2
	ii. Importance of micri-nutrients in rabi crops.	30 Nov. 18	PF	1	On	17	-	17	3	-	3
Agro-forestry	i. Vegetable prod. in Agro-forestry system.	11 Oct. 2018	PF	1	On	18	-	18	2	-	2
	ii. Production of Cereal crops in Agro-forestry system.	09 Nov. 2018	PF	1	On	16	-	16	4	-	4
Plant Breeding	i. New varieties of wheat under timely sown condition and their production technique.	03 Nov. 18	PF	1	On	08	-	08	12	-	12
	ii. New varieties of wheat under late sown condition and their production technique	26 Nov. 18	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
IVth Quarter											
Soil science	i. Use of water soluble fertilizer in wheat	28 Jan. 19	PF	1	On	15	-	15	5	-	5
	ii. Importance of micri-nutrients in Sugarcane crops.	14 March 19	PF	1	On	18	-	18	2	-	2
Agro-forestry	i. Different clones of poplar.	06 Feb . 2019	PF	1	On	16	-	16	4	-	4
	ii. Care during poplar plantation	18 Feb 2019	PF	1	On	20	-	20	0	-	0
Plant breeding	i. Improved varieties of *Mentha* and their production technique.	22 Jan.19	PF	1	On	15	-	15	5	-	5
	ii. Improved varieties of maize and their production technique	16 Feb. 19	PF	1	On	20	-	20	0	-	0

(ii) OFF 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
I[st] Quarter											
Horticulture	i. For better health to grow organic vegetable.	5 April 18	PF	1	Khanpur	17	-	17	3	-	3
	i. Plantation of new orchards, Mango.	4 June 18	PF	1	Fathehpur	20	-	20	-	-	-
	ii. Production technique of medicinal & Aromatic crops.	12June 18	PF	1	Natha Neemri	20		20	-	-	-
Soil Science	i. Aim of soil testing.	25 April 18	PF	1	Sihali Ladda	20	-	20	0	-	0
	ii. Deficiency symptoms of micro-nutrients in S.cane	23 May 18	PF	1	Fathehpur Natha	20	-	20	0	-	0
Plant protection	i. Precaution during the use of pesticides and selection of pesticides and technique of solution making.	28 April 2018	PF	1	Khanpur	19	-	19	1	-	1
	ii Integrated insect management in sugarcane	23 May 18	PF	1	Hajipur	20	-	20	-	-	-
Plant breeding	i. Improved varieties of paddy and their production technique	16 May 18	PF	1	Sihari Ladda	20	-	20	-	-	-
	i. Improved varieties of urd and their production technique	22 June 18	PF	1	Khadua	17	-	17	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
II[nd] Quarter											
Horticulture	i.. Pruning technique in old guava orchard & intercropping of tomato for extra income.	5July 2018	PF	1	Khadua	16	-	16	4	-	4
Soil Science	i. Application of balance fertilizers in S.cane based on soil testing.	17 July 18	PF	1	Khanpur	9	-	9	11	-	11
	ii. Technique of vermin compost production.	30 Aug. 18	PF	1	Sihali Ladda	20	-	20	0	-	0
Plant breeding	i. Sucker production technique in *Mentha*	24 July 18	PF	1	Khanpur	17	-	17	3	-	3
	ii. New varieties of rapeseed & mustard and their production technique	28 Aug. 18	PF	1	Sihari Ladda	20	-	20	-	-	-
	iii. New varieties of sugarcane and their production technique	20 Sept. 18	PF	1	Khata	06	-	06	14	-	14
Agro-forestry	i. Use of Neem tree with respect to Agri..	29Aug. 2018	PF	1	Khanpur	18	-	18	2	-	2
	i. Nursery Management of different Agro-forestry plant.	30 Aug. 2018	PF	1	Sihali Ladda	20	-	20	-	-	-
	ii. Prunning of Agro-forestry Plants.	17 Sept. 18	PF	1	Swadara	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.	27 Oct. 18	PF	1	Khanpur	14	-	14	6	-	6
	ii. Use of Bio-fertilizer in rabi crops.	20 Nov. 18	PF	1	Sihali Ladda	20	-	20	0	-	0
Agro-forestry	i. Plantation of Agro-forestry plants in different conditions.	10 Oct. 2018	PF	1	Khapur	18	-	18	2	-	2
	ii. Seed production & collection of different Agro-forestry plants.	11 Dec. 2018	PF	1	Sihali Ladda	20	-	20	0	-	0
Plant breeding	i. Improved varieties of wheat and their production technique.	13 Nov. 18	PF	1	Haryana	20	-	20	0	-	0
	ii. Varieties of wheat under late sown condition and their production technique.	27 Nov.18	PF	1	Peelakpur shyoram	20	-	20	0	-	0

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 intercropping in S.cane for soil health.	29 Jan. 19	PF	1	Basera Khas	19	-	19	1	-	1
	ii. Foliar spray of water soluble fertilizers in wheat.	23 March 19	PF	1	Sihali Ladda	20	-	20	0	-	0
Agro-forestry	i. Insect control in Agro-forestry plants.	19 Jan. 2019	PF	1	Nasirpur Dhanan	20	-	20	0	-	0
	ii. Suitable agro-forestry plants for Agri.	08 Feb. 2019	PF	1	Khanpur	10	-	10	10	-	10
	iii. Medicinal use of Agro-forestry plants	13 March 2019	PF	1	Sihali Ladda	20	-	20	0	-	0
Plant breeding	i. Improved varieties of *Mentha* and their production technique	23 Jan. 2019	PF	1	Neseerpur Dhanna	20	-	20	0	-	0

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 18	Promotion of organic manure	RY	6	Sihali Ladda	10	-	10	0	-	0
Plant breeding	Paddy Seed production technique	28-31 May & 1-2 June 18	Promoting seed production technique	RY	6	On/Off	9	-	9	1	-	1
IInd Quarter												
Plant breeding	Seed production technique of mustard	13-19 Sept. 18	Promoting mustard seed Production	RY	6	On/Off	7	-	7	3	-	3
IIIrd Quarter												
Soil Science*	Vermi-compost prod.	17-22 Oct. 18	Promotion of organic manure	RY	6	On/Off	8	-	8	2	-	2
Agro forestry	How to prepare good nursery of Neem, Semal & Sagon	12-17 Nov. 2018	Nursery management	RY	6	Off	10	-	10	-	-	-
Plant breeding	Wheat seed production technique	14-17 & 19-20 Nov. 18	Promoting Wheat seed Production	RY	6	On/Off	8	-	8	2	-	2
IVth Quarter												
Agro forestry	How to prepare good nursery of Poplar, Bakyan.	23-28 Feb. 2019	Nursery management	RY	6	Off	9	-	9	1	-	1

(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.	26 June 2018	EF	1	Off	8	-	8	2	-	2
Plant protection	Technique of storage of foodgrains.	28 May 2018	EF	1	On/Off	6	-	6	4	-	4
Plant breeding	Seed production of paddy	28 June 2018	EF	1	On/Off	7	-	7	3	-	3
	Varietal description of urdbean	29 June 2018	EF	1	On/Off	7	-	7	3	-	3
IInd quarter											
Soil Science	Use of sulphur in oilseed crops	13 Aug. 2018	EF	1	On	9	-	9	1	-	1
Plant breeding	Varietal description of basmati rice	27 July 2018	EF	1	On/Off	10	-	10	-	-	-
	Varietal description of sugarcane	29 Aug 18	EF	1	On/Off	8	-	8	2	-	2
IIIrd Quarter											
Soil Science	i. Use of water soluble fertilizers in wheat.	14 Nov. 18	EF	1	Off	7	-	7	3	-	3
Plant breeding	Improved varieties of wheat and their production technique under timely sown	16 Oct. 2018	EF	1	On/Off	8	-	8	2	-	2
	Improved varieties of wheat and their production technique under late sown	29 Nov. 2018	EF	1	On/Off	10	-	10	-	-	-
	Varietal description of lentil	30 Nov. 2018	EF	1	On/Off	10	-	10	-	-	-
Agro-forestry	Nursery management of Agro-forestry plants	30 July 2018	EF	1	On	9	-	9	1	-	1
	Plantation tech. of Agro-forestry plants	06 Aug. 2018	EF	1	Off	7	-	7	3	-	3
	Plantation technology of semal & sagon under Agro-forestry system	22 Sept. 2018	EF	1	On	8	-	8	2	-	2

IVth Quarter											
Soil Science	i. Importance of Nadep & Vermi Compost for soil health.	30 Jan. 19	EF	1	Off	8	-	8	2	-	2
	ii. Use of fertilizers on the basis of soil test in s.cane.	13 March 19	EF	1	Off	8	-	8	2	-	2
Plant breeding	Varietal description of mungbean.	13 Mar 2019	EF	1	On/Off	10	-	10	-	-	-