

PROFORMA FOR PREPARATION OF ANNUAL REPORT (April-2015-March-2016)
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	60	1200	-	1200
Rural youths	08	80	-	80
Extension functionaries	15	150	-	150
Sponsored Training	10	1115	-	1115
Vocational Training	08	80	-	80
Total	101	3025	-	3025

2. Frontline demonstrations

Enterprise	No. of Farmers	Area (ha)	Units/Animals
Oilseeds	10	4.0	-
Pulses	10	4.0	-
Cereals	72	28.8	-
Vegetables			
Other crops	31	12.4	
Hybrid crops			
Total			
Livestock & Fisheries			
Other enterprises			
Total			
Grand Total	123	49.2	

3. Technology Assessment & Refinement

Category	No. of Technology Assessed & Refined	No. of Trials	No. of Farmers
Technology Assessed			
Crops	04	04	18
Livestock			
Various enterprises			
Total	04	04	18
Technology Refined			
Crops			
Livestock			
Various enterprises			
Total			
Grand Total	04	04	18

4. Extension Programmes

Category	No. of Programmes	Total Participants
Extension activities	1717	44052
Other extension activities	107	-
Total		

5. Mobile Advisory Services

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weather	Marketing	Awareness	Other enterprise	Total
Moradabad	Text only							
	Voice only	36				45	61	142
	Voice & Text both							
	Total Messages	36				45	61	142
	Total farmers Benefitted	506				256	393	1155

6. Seed & Planting Material Production

	Quintal/Number	Value Rs.
Seed (q)	356.80	Supply to NSC Meerut
Planting material (No.)	5000	3000 plants use in kvk farm
Bio-Products (kg)		
Livestock Production (No.)		
Fishery production (No.)		

7. Soil, water & plant Analysis

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

8. HRD and Publications

Sr. No.	Category	Number
1	Workshops	01
2	Conferences	
3	Meetings	14
4	Trainings for KVK officials	02
5	Visits of KVK officials	
6	Book published	
7	Training Manual	
8	Book chapters	
9	Research papers	02
10	Lead papers	
11	Seminar papers	
12	Extension folder	12
13	Proceedings	
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 (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	
Director 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. K.V.Singh	-	9719589630	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 30th April 2016)

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	Programme Coordinator	Dr. K.V.Singh	Programme Coordinator /Assoc. Director Ext.	Agricultural Economics	37400-67400	41720 + 9000	26-12-2008	Permanent	9719589630	53	moradabadkvk@gmail.com
2	Subject Matter Specialist	Sh. Hasan Tanveer	SMS/ Asst. Prof.	Plant breeding	15600-39100	19810 + 6000	23-06-2008	Permanent	9369156642 On study leave	44	htshahi@yahoo.com
3	Subject Matter Specialist	Dr. Arvind kumar	SMS/ Asst. Prof.	Plant protection	15600-39100	19810 + 6000	23-06-2008	Permanent	9412170753	44	
4	Subject Matter Specialist	Dr. Mohan Singh	SMS/ Asst. Prof.	Soil Science	15600-39100	21400 + 6000	25-06-2008	Permanent	8958642166	44	
5	Subject Matter Specialist	Dr. A.K. Misra	SMS/ Asst. Prof.	Agronomy	15600-39100	21400 + 6000	09-07-2008	Permanent	9368566251	45	dr.misraak@rediffmail.com
6	Subject Matter Specialist	-	-	Agro-forestry	-	-	-	-			

7	Subject Matter Specialist	-	-	Home Science	-	-	-	-			
8	Prog. Assistant	Sh. Ravinder Pal Singh	Prog. Assistant	Agri. Extension	9300-34800	11940 + 4200	26-12-2008	Permanent	9411220240	46	
9	Prog. Assistant	Sri. Nagendra Pratap Singh	Computer Programmer/ Programme Assistant	PGDCA	9300-34800	12430 + 4200	01-09-2007	Permanent	9412060554	41	pratap_nagendra@hotmail.com
10	Farm Manager	Dr. Hambir Singh	Farm Manager	Plant Breed	9300-34800	12430 + 4200	18-08-2007	Permanent	9759173168	45	
11	Accountant / Superintendent	Sri. Sanjay Kumar Sharma	OS/ Accountant	Accounts	9300-34800	16520 + 4600	18-09-2000	Permanent	9412650468	43	
12	Stenographer/ computer operator	Sri. Ajay Tomar	Stenographer/ computer operator		5200-20200	9820 + 2400	30-07-2007	Permanent	8171960800	33	
13	Driver	Sri Subhash llyal	Driver cum mechanic	Driver	3050-4590	13140 + 4200	26-03-1984	Permanent	9411227776	56	
14	Driver		Vacant	Vacant					Vacant		
15	Supporting staff	Sri. Ram Kishore	Vill. Attendant	-	2550-3290	9010 + 2400	09-01-1996	Permanent	9837137652	54	
16	Supporting staff	Sri Sarvesh Kumar	Attendant	-	2550-3290	6580 + 1800	27-02-2008	Permanent	9548115024	32	

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

S. No.	Item	Area (ha)
1	Under Buildings, ,Road, Channels and boundary etc.	3.0984
2.	Under Demonstration Units	0.0016
3.	Under Crops	13.0
4.	Orchard/Agro-forestry	0.9
5.	Others (specify)	0.5

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		Good condition
Bolero Jeep	2007	4.59		Good condition
Motor cycle	2008	0.52	-	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

वैज्ञानिक सलाहकार समिति द्वारा दिये गये सुझावों का विवरण –

Sl.No.	Date	Name and Designation of participants	Silent Recommendations	Action taken
1	05 March 2016	डा० रघुवीर सिंह निदेशक प्रसार	1. बसन्तकालीन गन्ना फसल के साथ सहफसलों (उर्द एवं मूँग) पर एक ओ०एफ०टी० लगाये ।	डा० ए०के० मिश्र (सस्य विज्ञान)
			2. धान में खरपतवार नियंत्रण पर प्रस्तावित एफ०एल०डी० में प्रयोग होने वाला खरपतवारनाशी नोवीनो गोल्ड का Technical नाम भी दें।	डा० ए०के० मिश्र (सस्य विज्ञान)
			3. सभी विशेषज्ञों द्वारा अपने विषय से सम्बन्धित केन्द्र पर खरीफ व रबी सीजन में नवीनतम प्रजातियों एवं उन्नत तकनीक पर प्रदर्शन हेतु काफटेरिया लगाया जाये।	समस्त वैज्ञानिक
			4. NFSM के अन्तर्गत लगाये गये प्रदर्शन के लक्ष्यों को अलग से दिखाये ।	समस्त वैज्ञानिक
			5. जलविलय उर्वरकों पर प्रदर्शन कराये जायें ।	डा० मोहन सिंह (मृदा विज्ञान)

			6. केन्द्र पर मधुमक्खी पालन एवं वर्मी कम्पोस्ट की यूनिट तैयार करें तथा तभी रोजगारपरक प्रशिक्षण करायें ।	डा० अरविन्द कुमार (पादप सुरक्षा) एवं डा० मोहन सिंह (मृदा विज्ञान)
			7. धान फसल पर कीट प्रबन्ध हेतु प्रस्तावित ओ०एफ०टी० में तीन Treatment ही रखे ।	डा० अरविन्द कुमार (पादप सुरक्षा)
			8. आगामी कार्ययोजना में प्रस्तावित धान फसल के स्थान पर उर्द में yellow mosaic बीमारी पर एक एफ०एल०डी० लगाये ।	डा० अरविन्द कुमार (पादप सुरक्षा)
		जिला उद्यान अधिकारी, मुरादाबाद	1. केन्द्र पर एक उद्यान वैज्ञानिक होना चाहिये ।	डा० के०वी०सिंह कार्यक्रम समन्वयक
		प्रगतिशील कृषक एवं सदस्य श्री मुकुल पाण्डे	1. केन्द्र पर एक पशुपालन वैज्ञानिक होना चाहिये ।	डा० के०वी०सिंह कार्यक्रम समन्वयक

2.0 DETAILS OF DISTRICT (2015-16)

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, Baniyakhera, Bahjoi, Panwasa and Sambhal
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)
1	Wheat	121959	3724.62	30.54
2	Lentil	621	5.60	9.02
3	Mustard /Toriya	2256	29.32	13.0
4	Paddy (Rice)	94533	2255.55	23.86
5	Bajra	2928	15.31	5.23
6	Urd	3967	28.84	7.46

2.5 Weather data (rainfall) Dist. Moradabad

S. No.	Month	2014	2015
1	Jan	26.24	34.46
2	Feb	54.19	15.15
3	March	45.66	56.38
4	April	5.50	25.70
5	May	5.53	34.65
6	June	9.73	194.78
7	July	333.83	367.50
8	Aug	90.70	160.70
9	Sept.	108.35	42.73
10	Oct.	29.83	-
11	Nov.	0.00	-
12	Dec.	37.68	-
	Total rainfall	747.24	932.05
	Average rainfall	62.27	77.67

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

Category	Population	Production	Productivity
Cattle			
<i>Crossbred</i>	11824	Data not available	Data not available
<i>Indigenous</i>	49989		
Buffalo	327097		
Sheep			
<i>Crossbred</i>	220		
<i>Indigenous</i>	5667		
Goats	168248		
Pigs	-		
<i>Crossbred</i>	3165		
<i>Indigenous</i>	27159		
Rabbits	-		
Poultry	143957		
Hens	-		
<i>Desi</i>	-		
<i>Improved</i>	-		
Ducks	-		
Turkey and others	-		
Fish	172	5051	29.36

2.7 Details of operation area/villages (2015-16)

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 material and	Diversification in Agriculture. Use of improved variety and IPM, ICM.

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

2.8 Priority thrust areas

Crop/Enterprises	Thrust area
Sugarcane	HYV, INM, IPM & Weed management
Rice	HYV, INM, IPM, Weed management & IDM
Wheat	HYV, INM, Weed management, IPM, IDM
Mustard	HYV, INM, IPM, IDM
Mentha	HYV, INM, IPM, IDM
Pulses	HYV, INM, IPM
Maize	HYV, INM, IPM
Animal Husbandry	Feed & fodder management, Disease management, Dairy management, Poultry production
Cucurbits	HYV, INM, IPM
Cole crop	HYV, INM, IPM
Spice	Management technology

3.0 TECHNICAL ACHIEVEMENTS

3.A. Details of targeted mandatory activities by KVK during 2015-16

OFT (Technology assessment & refinement)				FLD (Oilseeds,Pulses,Cotton,other crops/Enterprises)			
1				2			
Number of OFTs		Total no. of Trials		Area in ha.		Number of Farmers	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
06	04	24	18	57.2	49.2	100	123

	Training (including sponsored, vocational trainings)				Extension Activities			
	3				4			
	Number of Courses		Number of Participants		Number of activities		Number of participants	
Clientele	T	A	T	A	T	A	T	A
Farmers	74	60	1480	1200	1550	1717	10000	43988
Rural youth	08	08	80	80				
Ext. Functionaries	18	15	180	150				
Sponsered traing	-	10		1115				

Seed Production (Qtl.)			Planting material (Nos.)		
5			6		
Target	Achievement	Distributed to no. of farmers	Target	Achievement	Distributed to no. of farmers
200	356.80	Supply to NSC, Meerut	20000	5000	3000 plants use in kvk farm

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	Effect on nutrient management in wheat	01	05
Integrated Pest Management	Paddy	Management of Stem borer in paddy	01	05
Integrated Crop Management	Sugarcane with intercrope	Assisment of suitable combination of intercrop with autumn sugarcane	01	03
Integrated Disease Management	Wheat	Management of yellow rust in wheat	01	05
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			04	18

B. Summary of technologies assessed under livestock by KVKs

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

C. Summary of technologies assessed under various enterprises by KVKs

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

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

I.B. TECHNOLOGY REFINEMENT

A. Summary of technologies refined under various CROPS by KVKs

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

B. Summary of technologies refined under various livestock by KVKs

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

C. Summary of technologies refined under various enterprises by KVKs

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

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

I.C. TECHNOLOGY ASSESSMENT AND REFINEMENT IN DETAIL

OFT -1

INTEGRATED CROP MANAGEMENT IN SUGARCANE (Rabi 2014-15)

Problem definition Low yield of sugarcane sole crop as compared to intercrop.
Technology assessed or refined Assesment of suitable combination of inter crop with autumn sugarcane.
No. of Farmers 03

KVK Moradabad has been conducted on-farm trials on suitable inter crop(Sugarcane+mustard, S.cane + Garlic) combination with autumn s.cane.

Generally farmers are take a single crop s.cane, resulting low income of sole crop as compaired to inert crop. The problem assessed on basis of suitable & profitable combination selected.

Table : Performance of sugarcane(CV.CO 0238) in relation to integrated crop management

Technology Option	No.of trials	Yield of intercrop	Cane yield (q/ha.)	Yield increase (%)	Net Return (Rs./ha)			B:C Ratio
					S.cane	Intercrop	S.cane + intercrop	
Farmers practices (Single crop)	3	-	688.50	-	104015	-	104015	1:2.10
S.cane + Mustard		19.50	683.75	2.14	102638	68250	154238	1:2.37
S.cane + Garlic		115.60	685.50	16.35	103145	462400	430545	1:2.87

Final recommendation The result indicated that intercropping of garlic & mustard are sowing & two row spacing of S.cane gave, higher net return Rs. 4.3 lac/ha. in garlic followed by mustard Rs. 1.54 per ha. over to control(Sole crop), 1.04 per ha. with benifit ratio 1:2.87, 1:2.37 & 1:2.10 respectively.

Sugarcane + garlic is highly labour intensive cropping system.

Farmers reaction Farmers have positive response about garlic intercropping with autumn sugarcane is more profitable as comparsion to S.cane + mustard. Farmers are covinced minium infestation of early shoot borer & Top borer in S.cane+garlic plots as comparsion to S.cane + mustard and sole crop of S.cane.

Date of sowing/planting harvesting 20 Oct 2014 & Intercrop harvested in 10 March (Mustard) &, 5 April 2015 (Garlic) & S.Cane - 25 Nov 2015.

OFT -2

INTEGRATED CROP MANAGEMENT IN SUGARCANE (Rabi 2015-16)

Problem definition Low yield of sugarcane sole crop as compared to intercrop.
Technology assessed or refined Assesment of suitable combination of inter crop with autumn sugarcane.
No. of Farmers 03

KVK Moradabad has been conducted on-farm trials on suitable inter crop(Sugarcane+mustard, S.cane + Garlic) combination with autumn s.cane.

Generally farmers are take a single crop s.cane, resulting low income of sole crop as compaired to inert crop. The problem assessed on basis of suitable & profitable combination selected.

Table : Performance of sugarcane(CV.CO 88230) in relation to integrated crop management

Technology Option	No.of trials	Yield of intercrop	Cane yield (q/ha.)	Yield increase (%)	Net Return (Rs./ha)			B:C Ratio
					S.cane	Intercrop	S.cane + intercrop	
Farmers practices (Single crop)	3	-	-	-	-	-	-	-
S.cane + Mustard		-	-	Result	-	awatied	-	-
S.cane + Garlic		-	-	-	-	-	-	-

Date of sowing/planting 25-30 Oct. 2015
harvesting

OFT - 3

INTEGRATED NUTRIENT MANAGEMENT (Rabi 2015-16)

Problem definition	Assesment of suitable dose of fertilizer in wheat crop.
Technology assessed or refined	Evaluation of different doses of fertilizer on soil test bases.
No. of Farmers	05

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

Table : Performance of wheat.

Technology Option	No.of trials	Yield (q/hac.)	Increase in yield (%)	Net Return (Rs./ha)	B:C Ratio
T ₁ – Farmers practice 120:60:0:0 N:P:K & Zn Kg/ha. (PBW-373)	05				
T ₂ – ZnSO ₄ 30 kg/ha.		43.01	23.8	40837	1:2.64
T ₃ – T ₂ + Potash (K ₂ O) 50 Kg/ha.		44.74	28.5	43068	1:2.71

Recommendation The data given in table shows that T₃ (Use of **ZnSO₄ 30 kg /ha. & Potash(K₂O) 50 Kg/ha.**) in wheat crop. T₃ is found best for proper nutrient. This treatment is able to increase the crop production in comparision to T₁ and T₂.

Farmers reactions Farmers were not use of Znso₄, potas and imbalnace use of fertilizer.

Date of Sowing & harvesting 25-30 Nov. 2015 and 18-24 April. 2016

OFT - 4

PEST AND DISEASE MANAGEMENT (Kharif – 2015)

Problem definition	Low yield of paddy due to infestation of Stem borer .
Technology assessed or refined	To test the efficacy of different insecticides against stem borer in paddy crop.
No. of Farmers	05

KVK Moradabad conducted on-farm trial to Control of Stem borer in paddy by the use of Fipronil 0.3% G @ 25 Kg/ha and Cartap hydrochloride 4% G @ 20 Kg./ha. gave 7.40% and 11.11% higher yield respectively over farmers practice (Carbofuran 3 CG @ 20 Kg/ha.). The insect infestation showed 1.4 times and 2.3 times more in farmers practice in comparison to Fipronil 0.3% G treated plots and Cartap hydrochloride 4G treated plots.

Table: Effect of Fipronil 0.3% G and Cartap hydrochloride 4% G in control of Stem borer in paddy

Technology Option	No. of trials	Incidence of Stem borer (%)	Yield (q/ha)	% Increase in yield over farmer's practice
T ₁ - Use of Carbofuran 3CG @ 20 Kg/ha. (Farmers practice)	05	14.0	40.5	-
T ₂ - Use of Fipronil 0.3% @ 25 Kg/ha. in soil.		10.0	43.5	7.40
T ₃ - Use of Cartap hydrochloride 4%G in soil @ 20 Kg./ha.		6.0	45.00	11.11

Recommendation The data given in table shows that T₃ (Use of **Cartap Hydrochloride** 4%G @ 20 Kg/ha. in the soil presence of approximate 3 inches of standing water after 30-35 days of transplanting, gave maxi. yield 45qt./hac. This treatment is able to minimize & control the stem borer infestation in comparison to T₁ and T₂.

Farmers reactions Application of **Cartap hydrochloride** 4%G in soil in the paddy after 30-35 days of transplanting is very effective in controlling the Stem borer infestation.

Date of transplanting 11-15 July 2015 and 26-30 Nov. 2015

& harvesting

OFT - 5

PEST AND DISEASE MANAGEMENT (Rabi – 2015-16)

Problem definition	Low yield of wheat due to incidence of Yellow rust .
Technology assessed or refined	To test the efficacy of different fungicides against yellow rust in wheat crop.
No. of Farmers	05

KVK Moradabad conducted on-farm trial to Control of yellow rust disease in wheat by the use of Mencozeb 75 WP @ 2.0 Kg/ha (Two spray) and Propiconazole 25 EC @ 500ml/ha. (Two spray) gave 10% and 14% higher yield respectively over farmers practice (No use of chemical.). The disease infestation showed 1.5 times and 2.04 times more in farmers practice in comparison to Mencozeb 75 WP and Propiconazole 25 EC treated plots respectively.

Table: Effect of Mencozeb 75 WP and Propiconazole 25 EC in control of yellow rust in wheat

Technology Option	No.of trials	Incidence of disease yellow rust (%)	Yield (q/ha)	% Increase in yield over farmer's practice
T ₁ - Use of No chemical (Farmers practice)	05	11.25%	37.5	-
T ₂ - Use of Mencozeb 75 WP @ 2.0 Kg/ha (Two spray)		7.5%	41.25	10.0
T ₃ - Use of Propiconazole 25 EC @ 500ml/ha (Two spray)		5.5%	42.25	14.0

Recommendation The data given in table shows that in treatment T₃ (Use of **Propiconazole** 25 EC @ 500ml/ha (Two spray). I spray in first week of Feb and II after 15-20 days of I spray gave maxi. yield 42.25 qt/hac. This treatment is able to control and minimize the incidenc of yellow rust disease in wheat in comparision to other (T₁ and T₂).

Farmers reactions The application of **Propiconazole** 25 EC @ 500ml/ha (Two spray) is very effective to control yellow rust in wheat.

Date of transplanting & harvesting 03-10 Dec 2015 and 11-15 April 2016.

II. 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 2015-16 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 in paddy	Timely application of newly weedicide (Vishpary bac-10EC)	Through training prog., FLD & Electronic media	12	251	360
2	Paddy	IDM	Control of blast disease through Avtar (Hexaconazole 4% + Zineb 68% (Two spray)	Through training prog., FLD & Electronic media	15	145	110
3	Wheat	INM	Application of zinc sulphate basal dose in rice-wheat system	Through training prog., FLD & Electronic media	25	250	120
4	Paddy	IPM	Two spray of imidacloprid 17SL at tillering stage & second dough stage	Through training prog., FLD & Electronic media	17	175	125

B. Front Line Demonstration on oil seeds & pulses

FLD - 1

Urd

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 2015	4.0	4.0	01	09	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					
Urd	Kharif 2015	Irrigated	Loam	Medium	Low	Medium	Mustard/Wheat	25-30 July, 2015	28 Oct - 03 Nov 2015	-	-

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
Urd	- ICM	ICM through improved seed, weed & insect management	PU- 40	10	4.0	12.50	8.75	10.15	8.10	25.46	18818	76087	58870	1:4.04	16553	60637	47085	1:3.66

a. Technical feedback

1	Uniform maturity & bold grain.
2	Increase the grain yield due to improved & certified variety of PU- 40.
3	Slightly incidence of yellow mosaic due to uncertain climate.
4	Low incidence of pod borer due to timely application of insecticide (Monocrotophas 36%).
5	Very low incidence of weeds due to timely spraing of Imazathyper 10 EC @ 250 ml/demo)

b. Farmers reaction on specific technologies

S. N.	Feedback
1	Farmers are convaneced to good quality seed & variety.
2	Farmers are convenice to uniform& short day maturity (85-95 days).

c. Extension and Training activities under FLD

S.No.	Activity	No. of activity organised	No. of participants	Remarks
1	Field Day	01	20	
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 Shatabdi - Use of monocrotophos	Rabi 2015-16	4.0	4.0	03	07	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					
Mustard	Rabi 2015-16	Irrigated	Loam	Medium	Low	Medium	Paddy/Pulses	23 Oct-06 Nov, 2015	12 -20 March 2016	-	-

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
Mustard	- ICM	ICM through improved seed, & insect management	Pusa Shatabdi	10	4.0	23.5	20.5	21.86	16.37	33.5	21358	76510	49663	1:3.58	20885	56905	36020	1:2.72

a. Technical feedback

1	Pusa Shatabdi is a bold seeded & high yielding variety & good oil content.
2	Grain yield has been increased due to timely sowing management of insect (aphids)

b. Farmers reaction on specific technologies

S. N.	Feedback
1	Farmers are agree to mustard variety Pusa Shatabdi is good & high yielding variety.
2	Farmers are conveniced to no incidence of aphids due to tmely sowing & application of insectisides (Monocrotophas).

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	01	mass	

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

FLD - 1

Crop production : 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	- Weed management	- Weed control through Vishpary bac (Novino gold) 10 EC @ 200 ml/ha.	Kharif 2015	4.8	4.8	06	06	12	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 2015	Irrigated	Loam	Medium	Low	Medium	Mentha/Wheat	02-03 July 2015	25-30 Oct, 2015	-	-

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	- Weed management	Weed control through Vishpary bac (Novino gold) 10 EC @ 200 ml/ha.	PHB-71	12	4.8	78.5	70.65	75.58	60.65	24.61	39400	113360	73963	1:2.88	38467	90970	52503	1:2.35

a. Technical feedback

1	Vishpary bac (Novino gold) 10 EC is effectively weed control (89.41%) .
2	Due to timely weed control, the grain yield has increased 24.61% respectively.
3	The Grain quality has improved.

b. Farmers reaction on specific technologies

S. N.	Feedback
1	Farmers are convinced to chemical weed control Vishpary bac (Novino gold) 10 EC.is more effective in economic as compare to pretilachlaore.
2	Farmers are agree to grain yield has increased up to 24.61% due to timely weed control.

c. Extension and Training activities under FLD

S.No.	Activity	No. of activity organised	No. of participants	Remarks
1	Field Day	01	23	
2.	Farmers Training	01	20	
3	Media coverage	02	mass	

FLD - 2
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 Sulfa-Sulfuroan 75WP	Rabi 2015-16	6.0	6.0	03	12	15	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 2015-16	Irrigated	Loam	Medium	Low	Medium	Paddy/Urd	25-28 Nov 2015	17-20 April 2016	-	-

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
Wheat	WM	Use of Sulfa-Sulfuroan 75WP	HD-2967	15	6.0	54.8	38.5	46.12	36.0	28.11	33290	69419	36129	1:2.10	32882	54950	22064	1:1.67

Technical feedback

1	Sulfo Sulfuron 75 WP is more effective to weed control over to control plot (up to 89.1%).
2	Due to timely management, the grain yield has been increased up to 28.11% 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	01	25	
2.	Farmers Training	01	20	
3	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 zinc sulphate in wheat crop under rice-wheat cropping system	Rabi 2015-16	6.0	6.0	-	15	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 2015-16	Irrigated	Sandy loam and loam	Medium	Medium	Medium	Paddy	26.11.15 to 28.11.15	10-19.04.2016	-	-

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
Wheat	INM.	Use of zinc sulphate in wheat crop under rice-wheat cropping system	HD-2967	15	6.0	44.95	42.02	43.48	35.93	21.01	28480	66307	37827	1:2.32	27690	54793	27103	1:1.97

a. Technical feedback

S. No	Feed Back
1	Use of zinc sulphate & Potash essential nutrients in wheat.
2	To increase production to balance nutrient.

b. Farmers reaction on specific technologies

S. N.	Feedback
1	To increase production for balance fertilizer.

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
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	To demonstrate the INM in wheat crop	Rabi 2015-16	4.0	4.0	-	10	10	

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 2015-16	Irrigated	Sandy loam and loam	Medium	Medium	Medium	Paddy	25.11.15 to 28.11.15	12-16.04.16	-	-

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
Wheat	INM.	To demonstrate the INM in wheat crop	HD-2967	10	4.0	44.51	42.69	43.51	34.70	25	28425	66352	37927	1:2.33	27515	52917	25402	1:1.98

a. Technical feedback

S. No	Feed Back
1	Use of potash & Zinc sulphate essential fertilizers in wheat crop.
2	Use of potash in wheat to be disease control.

b. Farmers reaction on specific technologies

S. N.	Feedback
1	use of balance fertilizer in wheat to higher production.

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. : 5

Plant Protection : 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	IDM	Control of blast disease through Avtar (Hexaconazole 4% + Zineb 68% (Two spray)	Kharif 2015	4.0	4.0	01	09	10	N.A.

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
Paddy	Kharif 2015	Irrigated	Loam	Low	Medium	Medium	Wheat	10-12 July. 2015	09-13 Nov.2015	-	-

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	IDM	Control of blast disease through Avtar (Hexaconazole 4% + Zineb 68% (Two spray)	25P35	10	4.0	62	59	60.5	54.5	11.0	39180	85305	47133	1:2.17	37950	76845	38895	1:2.02

a. Technical feedback

S.No	Feed Back
1	First spray of Avtar (Hexaconazole 4% + Zineb 68%) should be done at the just time of appear of disease symptoms on leaf and after that second spray of Avtar (Hexaconazole 4% + Zineb 68%) should be done after 15 days intervals of first spray is very effective to control blast disease in paddy.

b. Farmers reaction on specific technologies

S. N.	Feedback
1	Two spray of Avtar (Hexaconazole 4% + Zineb 68%) is very effective to control blast disease in paddy.

c. Extension and Training activities under FLD

S.No.	Activity	No. of activity organised	No. of participants	Remarks
1	Field Days	01	27	
2	Media coverage	01	Mass	

FLD No. : 6

Plant Protection : 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	IPM	Control of brown plant hopper through Imidacloprid 17.8 SL @ 150ml/hac. (Two spray)	Kharif 2015	4.0	4.0	3	7	10	N.A.

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
Paddy	Kharif 2015	Irrigated	Loam	Low	Low	Medium	Wheat	10-13 July. 2015	07-11 Nov.2015	-	-

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	IPM	Control of Brown plant hopper through Imidacloprid 17.8 SL	PHB-71	10	4.0	61	58	59.5	53	12.26	38650	83895	45245	1:2.17	38450	74730	36280	1:1.94

a. Technical feedback

S.No	Feed Back
1	First spray of Imidacloprid 17.8 SL should be done at the just starting time of infestation of brown plant hopper in vegetative phase and second spray of Imidacloprid should be done at the dough stage or second appearance of insect (BPH) is very effective to control brown plant hopper.

b. Farmers reaction on specific technologies

S. N.	Feedback
1	Two Spray of Imidacloprid 17.8 SL is very effective to control brown plant hopper in paddy.

c. Extension and Training activities under FLD

S.No.	Activity	No. of activity organised	No. of participants	Remarks
1	Field Days	01	26	
2	Media coverage	01	Mass	

FLD No. : 7

Plant Protection : Sugarcane

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	Sugarcane	IPM	Control of top borer in sugarcane through carbofuran 3CG @ 30 Kg/hac..	Zaid 2016	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					
S.cane	Zaid 2016	Irrigated	Loam	Low	Medium	Medium	Toria	26 Feb -05 March 2016	-	-	-

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
S.cane	IPM	Control of top borer in sugarcane through carbofuran 3CG @ 30 Kg/hac..	CO-0238	10	4.0				Result	awaited								

FLD No. : 8

Soil Science : Sugarcane

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	S.Cane	INM	Nutrient mangement through Zinc sulphate - 30kg/ha & FeSo4 - 20kg/ha.	Zaid 2016	6.0	6.0	-	15	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					
S.cane	Zaid 2016	Irrigated	Sandy loam and loam	Medium	Medium	Low	Wheat	18.02.16 to 29.02.16		-	-

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
S.cane	INM	Nutrient mangement through Zinc sulphate - 30kg/ha & FeSo4 - 20kg/ha.	C0-0238	15	6.0				Result	awatied								

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 Quinalphos 25 EC @ 2.0 lit/hac. & Monocrotophos 36 SL @ 1.5 lit/hac. as I and II spray respectively.	Zaid 2015	1.2	1.2	-	03	03	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 2015	Irrigated	Loam & Sandy loam	Low	Medium	Medium	Toria-potato	8-12 Feb 2015	07-11 June 2015	-	-

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
Mentha	IPM	Control of leaf eating caterpillars through Quinalphos 25 EC @ 2.0 lit/hac. & Monocrotophos 36 SL @ 1.5 lit/hac. as I and II spray respectively	Kosi	03	1.2	124	121	122.5	106.5	15.02	63407	122500	59093	1:1.93	62500	106500	44000	1:1.70

Technical feedback

S.No	Feed Back
1	First spray of quinalphos 25EC at the beginning of insect infestation and second spray of monocrotophos 36SL after 15 to 20 days of previous spray is very effective to control of leaf eating caterpillars in mentha and others harm full insects.

b. Farmers reaction on specific technologies

S. N.	Feedback
1	Spray of quinalphos and monocrotophos seperately as I and II spray 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	01	30	
2	Media coverage	01	Mass	

FLD No. : 10

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 Quinalphos 25 EC @ 2.0 lit/hac. & Monocrotophos 36 SL @ 1.5 lit/hac. as I and II spray respectively.	Zaid 2016	1.2	1.2	-	03	03	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 2016	Irrigated	Loam & Sandy loam	Low	Medium	Medium	Potato	10-16 Feb 2016	-	-	-

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
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Mentha	IPM	Control of leaf eating caterpillars through Quinalphos 25 EC @ 2.0 lit/hac. & Monocrotophos 36 SL @ 1.5 lit/hac. as I and II spray respectively	Kosi	03	1.2	Result awaited											

III. (A) Achievements on Training (April 2015 to March 2016) Brief Achievement of Training

Discipline	No. of courses	Others			SC/ST			G.Total
		Male	Female	Total	Male	Female	Total	
Practicing Farmers & Farm Women								
On Campus								
Crop Production	06	105	-	105	15	-	15	120
Horticulture	-	-	-	-	-	-	-	-
Agro Forestry	-	-	-	-	-	-	-	-
Plant Breeding	03	60	-	60	-	-	-	60
Plant protection	07	118	-	118	22	-	22	140
Soil Sciene	05	87	-	87	13	-	13	100
Total	21	370		370	50		50	420

Practicing Farmers & Farm Women								
Off Campus								
Crop Production	10	162	-	162	38	-	38	200
Horticulture	-	-	-	-	-	-	-	-
Agro Forestry	02	35	-	35	05	-	05	40
Plant Breeding	03	60	-	60	-	-	-	60
Plant protection	08	153	-	153	07	-	07	160
Soil Science	16	287	-	287	33	-	33	320
Total	39	697	-	697	83	-	83	780

Rural Youth								
Crop Production	03	24	-	24	06	-	06	30
Horticulture	-	-	-	-	-	-	-	-
Agro Forestry	-	-	-	-	-	-	-	-
Plant Breeding	01	08	-	08	02	-	02	10
Plant Protection	02	20	-	20	-	-	-	20
Soil Science	02	20	-	20	-	-	-	20
Total	08	72		72	08		08	80

Extension functionaries								
Crop Production	05	40	-	40	10	-	10	50
Horticulture	-	-	-	-	-	-	-	-
Agro Forestry	-	-	-	-	-	-	-	-
Plant Breeding	01	10	-	10	-	-	-	10
Plant protection	03	29	-	29	01	-	01	30
Soil Science	06	46	-	46	14	-	14	60
Total	15	125	-	125	25	-	25	150

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	01	15	-	15	05	-	05	20	-	20
Cropping system	-	-	-	-	-	-	-	-	-	-
Micro irrigation/irrigation	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	04	78	-	78	02	-	02	80	-	80
Integrated nutrient management	04	72	-	72	08	-	08	80	-	80
Total	09	165	-	165	15	-	15	180	-	180
II. Horticulture										
(a) Vegetable crops										
Others - - Integrated crop management										
Total (a)										
(b) Fruits										
- Cultivation of fruits										
Total (b)										
(c) Ornamental plants										
- Prop. technique of ornamental plants	-	-	-	-	-	-	-	-	-	-
Total (c)										
(e) Tuber Crops										
- Production & Management Tech.	-	-	-	-	-	-	-	-	-	-

Total (e)										
(f) Spices										
- Production & Management Tech.	-	-	-	-	-	-	-	-	-	-
Total (f)	-	-	-	-	-	-	-	-	-	-
(g) Medicinal & Aeromatic plants										
- Production & Management Tech.										
- Cultivation of fruits										
Total (g)										
Total (a-g)										
III. Soil Health and Fertility Management										
Soil Fertility Management	-	-	-	-	-	-	-	-	-	-
INM	03	54	-	54	06	-	06	60	-	60
Production & use of organic inputs	02	33	-	33	07	-	07	40	-	40
Micro-nutrient deficiency in crops	-	-	-	-	-	-	-	-	-	-
Balance use of fertilizers	-	-	-	-	-	-	-	-	-	-
Soil & Water testing	-	-	-	-	-	-	-	-	-	-
Total	05	87	-	87	13	-	13	100	-	100
IV. Livestock Production and Management										
- Dairy Management	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
VII. Plant Protection										
- IPM	05	83	-	83	17	-	17	100	-	100
- IDM	02	35	-	35	05	-	05	40	-	40
Total	07	118	-	118	22	-	22	140	-	140
XI. Agro forestry										
- Production technology	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
GRAND TOTAL	21	370	-	370	50	-	50	420	-	420

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	02	39	-	39	01	-	01	40	-	40
Cropping System	03	57	-	57	03	-	03	60	-	60
Integrated Crop Management	05	91	-	91	09	-	09	100	-	100
Integrated nutrient management	03	35	-	35	25	-	25	60	-	60
Total	13	222	-	222	38	-	38	260	-	260
II. Horticulture										
(a) Vegetable crops										
Others										
Total (a)										
(b) Fruits										
-Cultivation of fruits										
Total (b)										
(c) Ornamental plants										
- Prop. technique of ornamental plants	-	-	-	-	-	-	-	-	-	-
Total (c)										
(e) Tuber Crops										
- Production & Management Tech.										
Total (e)										
(f) Spices										
- Production & Management Tech.										
Total (f)										
(g) Medicinal & Aeromatic plants										

- Production & Management Tech.	-	-	-	-	-	-	-	-	-	-
- Cultivation of fruits										
Total (g)	-	-	-	-	-	-	-	-	-	-
Total (a-g)	-	-	-	-	-	-	-	-	-	-
III. Soil Health and Fertility Management										
Soil Fertility Management	-	-	-	-	-	-	-	-	-	-
INM	08	138	-	138	22	-	22	160	-	160
Production & use of organic inputs	03	57	-	57	03	-	03	60	-	60
Micro-nutrient deficiency in crops	02	40	-	40	-	-	-	40	-	40
Balance use of fertilizers	-	-	-	-	-	-	-	-	-	-
Soil & Water testing	03	52	-	52	08	-	08	60	-	60
Total	16	287	-	287	33	-	33	320	-	320
IV. Livestock Production and Management										
- Dairy Management										
- Animal Nutrition management										
- Disease Management										
- Feed & fodder technology										
Total										
VII. Plant Protection										
- IPM	5	93	-	93	07	-	07	100	-	100
- IDM	3	60	-	60	-	-	-	60	-	60
Total	8	153	-	153	07	-	07	160	-	160
XI. Agro forestry										
- Production technology	02	35	-	35	05	-	05	40	-	40
Total	02	35	-	35	05	-	05	40	-	40
GRAND TOTAL	39	697	-	697	83	-	83	780	-	780

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	02	39	-	39	01	-	01	40	-	40
Resource Conservation Technology	01	15	-	15	05	-	05	20	-	20
Cropping system	03	57	-	57	03	-	03	60	-	60
Micro irrigation/ irrigation										
Nursery management										
Integrated Crop Management	09	169	-	169	11	-	11	180	-	180
Integrated nutrient management	07	107	-	107	33	-	33	140	-	140
Total	22	387	-	387	53	-	53	440	-	440
II. Horticulture										
(a) Vegetable crops										
- Others										
Integrated crop management										
Total (a)										
(b) Fruits										
Cultivation of fruits										
Total (b)										
(c) Ornamental plants										
- Prop. technique of ornamental plants										
Total (c)										
(e) Tuber Crops										
- Production & Management Tech.										
Total (e)										

(f) Spices										
- Production & Management Tech.										
Total (f)										
(g) Medicinal & Aeromatic plants										
- Production & Management Tech.										
- Cultivation of fruits										
Total (g)	-	-	-	-	-	-	-	-	-	-
Total (a-g)	-	-	-	-	-	-	-	-	-	-
III. Soil Health and Fertility Management										
Soil Fertility Management	-	-	-	-	-	-	-	-	-	-
INM	11	192	-	192	28	-	28	220	-	220
Production & use of organic inputs	05	90	-	90	10	-	10	100	-	100
Micro-nutrient deficiency in crops	02	40	-	40	-	-	-	40	-	40
Balance use of fertilizers	-	-	-	-	-	-	-	-	-	-
Soil & Water testing	03	52	-	52	08	-	08	60	-	60
Total	21	374	-	374	46	-	46	420	-	420
IV. Livestock Production and Management										
- Dairy Management										
Total										
VII. Plant Protection										
- IPM	10	176	-	176	24	-	24	200	-	200
- IDM	5	195	-	195	05	-	05	100		100
Total	15	271	-	271	29	-	29	300		300
XI. Agro forestry										
- Production technology	02	35	-	35	05	-	05	40	-	40
Total	02	35	-	35	05	-	05	40	-	40
GRAND TOTAL	60	1067	-	1067	133	-	133	1200	-	1200

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	01	08	-	08	02	-	02	10	-	10
Press mud composting	01	08	-	08	02	-	02	10	-	10
Mushroom production	-	-	-	-	-	-	-	-	-	-
Bee Keeping	02	20	-	20	-	-	-	20	-	20
Seed Production (Rice)	01	08	-	08	02	-	02	10	-	10
Seed Production (Rice & wheat)	-	-	-	-	-	-	-	-	-	-
Grand Total	05	44	-	44	06	-	06	50	-	50

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	20	-	20	-	-	-	20	-	20
Press mud composting	01	08	-	08	02	-	02	10	-	10
Mushroom production	-	-	-	-	-	-	-	-	-	-
Bee Keeping	-	-	-	-	-	-	-	-	-	-
Seed Production (Rice)	-	-	-	-	-	-	-	-	-	-
Dairying	-	-	-	-	-	-	-	-	-	-
Sheep and goat rearing	-	-	-	-	-	-	-	-	-	-
Poultry production	-	-	-	-	-	-	-	-	-	-
Grand Total	03	28	-	28	02	-	02	30	-	30

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

Area of training	No. of courses	No. of participants								
		Others			SC/ST			Grand Total		
		M	F	T	M	F	T	M	F	T
Production of organic inputs										
Vermi composting	03	28	-	28	02	-	02	30	-	30
Press mud composting	02	16	-	16	04	-	04	20	-	20
Mushroom production	-	-	-	-	-	-	-	-	-	-
Bee Keeping	02	20	-	20	-	-	-	20	-	20
Seed Production (Rice)	01	08	-	08	02	-	02	10	-	10
Seed Production (Rice & wheat)	-	-	-	-	-	-	-	-	-	-
Planting Material Production (Medicinal & Aromatic plants)	-	-	-	-	-	-	-	-	-	-
Commercial spices production										
Commercial Fruit Production & Nursery	-	-	-	-	-	-	-	-	-	-
Dairying	-	-	-	-	-	-	-	-	-	-
Sheep and goat rearing	-	-	-	-	-	-	-	-	-	-
Poultry production	-	-	-	-	-	-	-	-	-	-
Grand Total	08	72	-	72	08	-	08	80	-	80

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	06	50	-	50	10	-	10	60	-	60
Production & use of organic inputs	03	22	-	22	08	-	08	30	-	30
Productivity enhancement in field crops	03	24	-	24	06	-	06	30	-	30
Integrated pests management	03	29	-	29	1	-	1	30	-	30
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	-	-	-	-	-	-	-	-	-	-
Grand Total	15	125	-	125	25	-	25	150	-	150

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	02	637	-	638	78	-	78	715	-	715
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 (28-30 Jan 2016)	01	45	-	45	05	-	05	50	-	50
F.T.T (09-11 Feb 2016)	01	45	-	45	05	-	05	50	-	50
F.T.T (16-17 March 2016)	01	37	-	37	13	-	13	50	-	50
Total	03	127	-	127	23	-	23	150	-	150
Post harvest technology and value addition										
Processing and value addition										
Others (Pl. specify)										
Total										
Farm machinery										
Farm machinery,tools and implements										
Others (Pl. specify)										
Total										
Livestock and fisheries										
Livestock production and management										
Goat rearing										
Animal Nutrition management										

Animal disease management										
Fisheries nutrition										
Fisheries management										
Others(pl. specify) Poultry farming										
Total										
Home science										
Household nutritional security										
Economic empowerment										
Drudgery reduction of women										
Others (Pl. specify)										
Total										
Agricultural Extension										
Capacity Building and group dynamics										
Others (Pl. specify)										
Exposer Visit at IARI Pusa New delhi Kisan mela on dated (19.03.2016) (5 Buses)	05	180	-	180	70	-	70	250	-	250
Total	05	180	-	180	70	-	70	250	-	250
Grand Total	10	944	-	944	171	-	171	1115	-	1115

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										
Others (pl. specify)	-	-	-	-	-	-	-	-	-	-
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										
Vermicomposting	03	28	-	28	02	-	02	30	-	30
Prees mud composting	02	16	-	16	04	-	04	20	-	20
Production of bio-agents, bio-pesticides, bio-fertilizers etc.	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Seed production (Rice & Wheat)										
Seed production (Rice)	01	08	-	08	02	-	02	10	-	10
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	2	20	-	20	-	-	-	20	-	20
Total	08	72	-	72	08	-	08	80	-	80
Agricultural Extension										
Capacity building and group dynamics	-	-	-	-	-	-	-	-	-	-
Others (pl. specify)	-	-	-	-	-	-	-	-	-	-
Total										
Grand Total	08	72	-	72	08	-	08	80	-	80

IV. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
Advisory Services	526	2900	30	2930
Diagnostic visits	75	595	-	595
Field Day	09	230	-	230
Group discussions	-	-	-	-
Kisan Ghosthi	43	8079	402	8481
Film Show	42	1005	31	1036
Self -help groups	-	-	-	-
Kisan Mela	20	6192	282	6474
Exhibition	3	2875	52	2927
Scientists' visit to farmers field	419	6012	51	6063
Pre- Kharif Krishak Gosti & Kisan Mela	01	400	23	423
Pre Rabi Kisan Sammelan	01	315	06	321
Ex-trainees Sammelan	-	-	-	-
Farmers' seminar/workshop	-	-	-	-
Method Demonstrations	-	-	-	-
Celebration of important days (Kisan samman Sammaroh) at KVK	1	50	14	64
Special day celebration	02	290	12	302
Exposure visits	1	250	-	250
Others (pl. specify)				
Visit of farmers & farmer group to KVK	526	2900	30	2930
Pradhanmantri Fasal Beema Yojna Prog.	01	700	20	720
Kharif Abhiyan 2015	03	148	06	154
Others	44	9566	479	10045
Total	1717	42507	1438	44052

A. Details of other extension programmes

Particulars	Number
Electronic Media (CD./DVD)	4
Extension Literature	
Pamphlet	03
Folder	6
News paper coverage	82
Popular articles	2
Radio Talks	04
TV Talks	04
Animal health amps (Number of animals treated)	-
Others (pl. specify) Research Paper	2
Total	107

B. Mobile Advisory Services

Name of KVK	Message Type	Type of Messages						Total
		Crop	Lives tock	Weather	Marke-ting	Aware-ness	Other enterp rise	
Moradabad	Text only							
	Voice only	36				45	61	142
	Voice & Text both							
	Total Messages	36				45	61	142
	Total farmers Benefitted	502				256	393	1155

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
01	Gosthies	2	200	Crop+livestock
	Lectures organised	44	200	
	Film show	14	200	
	Distribution of Literature (No.)	12	200	
	Fair	03	1143	
	Exhibition	1	352	
	Total number of farmers visited the technology week	1	552	

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 2015	PPB - 1509	-	100.00	-	To be supplied NSC Meerut
Total				100.00		
	Wheat Rabi 2015-16	HD -2967 PBW - 590		141.60 115.20		To be supplied NSC Meerut
Total				256.80		
Oilseeds						
Pulses						
	Total					
G.Total				356.80		

Commercial crops	Bajra (Kharif 2015)	Balwan (NBH-4903)	-	140.0	-	Auction
	Total			140.0		
Vegetables						
Flower crops						
Spices						
Fodder crop seeds						
Fiber crops						
Forest Species						

Others (Seed Mixture)						
Grand Total				496.80		

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, Uday,S7C8	-	5000		3000 plants used by KVK
Others						
Total						

B. Production of Bio-Products

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

C. Production of livestock materials

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

VII. DETAILS OF SOIL, WATER AND PLANT ANALYSIS

Samples	No. of Samples	No. of Farmers	No. of Villages	Amount realized (Rs.)
Soil	300	300	05	
Water				
Plant				
Manure				
Others (pl.specify)				
Total				

VIII. SCIENTIFIC ADVISORY COMMITTEE

Name of KVK	Number of SACs conducted
Krishi Vigyan Kendra, Moradabad (05th March 2016)	01

IX. NEWSLETTER

Name of KVK	Number of Copies printed for distribution

X. PUBLICATIONS

Category	Number
Research Paper	02
Technical bulletins	-
Technical reports	08
Others (pl. specify) Article	02
Toatl	12

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.)

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

A. Introduction of alternate crops/varieties

Crops/cultivars	Area (ha)	Number of beneficiaries

B. Major area coverage under alternate crops/varieties

Crops	Area (ha)	Number of beneficiaries
Oilseeds	4.0	10
Pulses	4.0	10
Cereals	28.8	72
Vegetable crops		
Tuber crops	2.4	06
Commercial crop	10.0	25
Total	49.2	123

C. Farmers-scientists interaction on livestock management

Livestock components	Number of interactions	No. of participants
Total		

D. Animal health camps organised

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

E. Seed distribution in drought hit states

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

F. Large scale adoption of resource conservation technologies

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
	03	77	15	969	05	152	01	352	01	352	14	200
Total	02	77	15	969	05	152	01	352	01	352	14	200

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
S.V.P.U. Agri. & Tech., Meerut	Capacity building of extension scientist	02	04	01
Total		02	04	01

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
Website Development	01	50	13
Total	01	50	13

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

[ksrh o lg O;olk; ¼e/kqeD[kh ikyu½ ij IQyrk dh dgkuh

डा0 अरविन्द कुमार एवं डा0 के0वी0 सिंह, कृषि विज्ञान केन्द्र, मुरादाबाद (स.व.भा.प. कृषि मेरठ) उ0प्र0	कृषक का नाम	श्री धर्मपाल सिंह	एवं प्रौ. वि0वि0,
	पिता का नाम	श्री रघुनन्दन सिंह	
	ग्रा0	फत्तेहपुर नत्था	
	पो0	बिलारी	
	जिला	मुरादाबाद	
	फोन नं0	9627809093	
	शैक्षिक योग्यता	हाईस्कूल	
	आयु	50 वर्ष	
	कृषि योग्य भूमि	5.0 एकड	

श्री धर्मपाल सिंह का मुख्य व्यवसाय कृषि है तथा यह काफी लम्बे समय से कृषि करते आ रहे हैं । इनकी मुख्य फसलें धान, गेहूँ, सरसों, उर्द है । परन्तु इन फसलों की खेती करने से श्री धर्मपाल सिंह को काफी मेहनत करने के बाद भी आपेक्षित लाभ नहीं मिल पाता था । अतः इनके दिमाग में खेती के साथ-साथ खेती से ही जुडा हुआ कोई अन्य व्यवसाय करने की बात आई। कोई अन्य व्यवसाय करने की बात सोचकर इन्होंने कृषि विज्ञान केन्द्र से सम्पर्क किया । केन्द्र के कृषि वैज्ञानिकों से विचार विमर्श किया तथा मधुमक्खी पालन करने की सलाह दी । तो इन्होंने 2010 में 2 बॉक्स से शुरूआत की परन्तु इन्हे आपेक्षित लाभ नहीं मिल सका तब इन्होंने डा0 अरविन्द कुमार, वैज्ञानिक पादप सुरक्षा से वार्ता की । डा0 अरविन्द कुमार ने बताया कि हम रोजगार परक प्रशिक्षण के अन्तर्गत एक सप्ताह का मधुमक्खी पालन का प्रशिक्षण देते हैं । अतः श्री धर्मपाल सिंह ने वर्ष 2011 में प्रशिक्षण प्राप्त कर मधुमक्खी पालन का कार्य शुरू किया । कार्य प्रारम्भ करने के उपरान्त बहुत सी समस्याये इनके सामने आयी जैसे – मधुमक्खियों की बीमारी, मधुमक्खी की अच्छी प्रजाति का न मिलना, कृत्रिम भोजन को समय पर न देना, माईग्रेशन न कराना, सफाई पर विशेष ध्यान न देना आदि, परन्तु

ये समय-समय पर केन्द्र पर कार्यरत डा० अरविन्द कुमार से वार्ता कर मधुमक्खी पालन से सम्बन्धित समस्याओं का समाधान करते रहे । केन्द्र के वैज्ञानिकों द्वारा भी इनके यहाँ भ्रमण किया गया । वर्ष 2014-15 में इनके पास 100 बाक्स थे। जो वर्ष 2015-16 में बढ़कर 180 बाँक्स हो गये हैं । तथा अच्छी गुणवत्तायुक्त शहद का उत्पादन कर रहे हैं । वर्ष 2014-15 में इनका शहद उत्पादन 32.50 कु० हुआ तथा 25 किलो० मोम उत्पादन भी हुआ जिसका मुल्य रू० 328750.00 तथा शुद्ध आय रू० 168750.00 प्राप्त हुई ।

आय में वृद्धि — इस प्रकार विगत वर्षों में खेती से आय रू० 117450.00 तथा खेती के साथ सह व्यवसाय के रूप में मधुमक्खी पालन से रू० 168750.00 प्राप्त हुये । इस प्रकार कुल आय एक वर्ष में रू० 286200.00 प्राप्त हुये । इस प्रकार इनकी आय में अतिरिक्त 40% की आय में बढ़ोत्तरी हुई ।

प्रसार — इनके मधुमक्खी पालन के कार्य को देखकर गाँव के दो कृषक तथा आस-पास के ग्रामों में भी मधुमक्खी पालन का कार्य चल रहा है । इस प्रकार खेती के साथ-साथ उक्त सह व्यवसाय को अपनाने के लिये मेरे द्वारा भी तथा कृषि विज्ञान केन्द्र द्वारा भी प्रेरित किया जाता है । ताकि मेरी तरह अन्य कृषक भाईयों की आय में बढ़ोत्तरी हो सके ।

प्रशस्ति पत्र — मेरे कार्य को देखते हुये केन्द्र द्वारा वर्ष 2014 में मुझे प्रशस्ति पत्र देकर सम्मानित किया गया ।

खेती के साथ सहव्यवसाय (मधुमक्खीपालन) का आर्थिक मूल्यांकन

खेती से आय – (2014–15)

फसल एवं प्रजाति	क्षेत्रफल (एकड़)	उत्पादन प्रति एकड़ कु०	कुल उत्पादन कु०	बिक्री दर/कु०	कुल आय (रु० में)	लागत (रु० में)	शुद्ध आय (रु० में)
खरीफ							
धान हाइब्रिड (PHB-71)	300	21	63	1300	81900	37500 (12500 प्रति एकड़)	44400
उर्द (अलंकार)	2.0 एकड़	3.5	7.0	5000	35000	20000 (1000 प्रति एकड़)	15000
रबी सीजन							
गेहूँ (PBW-550) भूसा	3.0	15	45 40 कु०	1450	65250	36000 (12000 प्रति एकड़)	29250 14000
							43250
सरसों (क्रांति)	2.0	4.5	9	3200	28800	1400 (7000 प्रति एकड़)	14800
कुल आय							117450

मधुमक्खीपालन से आय –

बॉक्स सं०	उत्पादन किग्रा०/वर्ष	मोम उत्पादन किग्रा०/वर्ष	बिक्री दर शहद	बिक्री दर मोम	कुल आय शहद + मोम	लागत/वर्ष	शुद्ध आय
100	32.50	25	100	150	32500 +3750 328750	160000	168750
							168750

कुल आय शुद्ध = रु० 117450 + 168750 = 286200.00

A. Details on ATICs

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

B. Details on Farmer's visit

S. No	Purpose of visit	Number of farmer's visited
01	Technology Information	1901
02	Technology Products	
03	Others if any pl. specify	

C. Facilities in the ATIC which are in operation

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

D. Technology information 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 specify									
	Advisory services through mobile		1155							

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	356.80 qt.	356.80 Quintal		Supply to NSC, Meerut
02	Planting materials	5000	5000	-	3000 plants use in kvk farm
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	
02	Plant diagnostics	
03	Details about the services to line Departments	
04	Others if any (please specify)	

XV. TECHNOLOGICAL BACKSTOPPING BY DIRECTORATES OF EXTENSION

States covered:

Number of Directorates of Extension:

A. Details on Directors of Extension

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

B. Workshops / meetings organized

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

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

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

D. Overseeing of KVKs activities

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

E. Publication on Technology inventory

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

F. Technological Products provided to KVKs

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

STATUS OF REVOLVING FUND

Year	Opening balance as on 1 st April	Income during the year	Expenditure during the year	Net balance in hand as on 31st March 2015 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

* Expenditure of 2013-14 Rs. 1929540.60 including FDR amount Rs. 800000.00).

