KRISHI VIGYAN KENDRA
Moradabad

ANNUAL PROGRESS REPORT

April 2014 - March 2015

Directorate of Extension

Sardar Vallabhbhai Patel University of Agriculture & Technology,
Meerut - 250 110

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 2015)

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	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	28-11-2014	डा0 बाबूराम गंगवार, प्राध्यापक एवं पूर्व निदेशक प्रसार	1. गन्ना का क्रॉप कैफेटेरिया लगाया जायें ।	डा0 ए0के0 मिश्र (सस्य विज्ञान)
			2. ओ0एफ0टी0 एवं एफ0एल0डी0 में नई प्रजातियॉ शामील की जायें।	समस्त वैज्ञानिक
			3. मृदा विज्ञान एवं सस्य विज्ञान के प्रदर्शन मृदा परीक्षण के आधार पर हों ।	डा0 मोहन सिंह (मृदा विज्ञान) डा0 ए0के0 मिश्र (सस्य विज्ञान)
			4. जलविलय उर्वरकों पर प्रदर्शन कराये जायें ।	डा0 मोहन सिंह (मृदा विज्ञान)
			5. नेडप एवं वर्मी कम्पोस्ट यूनिट लगायी जायें ।	डा0 मोहन सिंह (मृदा विज्ञान)

		डा0 लाखन सिंह प्रधान वैज्ञानिक ZPD unit – IV, kanpur	1. केन्द्र पर तकनीकी प्रदर्शन हेतु कैफेटेरिया लगाया जायें ।	समस्त वैज्ञानिक
			2. एफ0एल0डी0 एवं ओ0एफ0टी0 की विस्तृत जानकारी SAC रिपोर्ट में दी जायें तथा आवश्यकतानुसार फोरमेट में विस्तार करें ।	समस्त वैज्ञानिक
			3. धान की सीधी बुवाई विधि को एफ0एल0डी0 में शामील करें ।	डा0 ए0के0 मिश्रा (सस्य विज्ञान)
			4. मृदा विज्ञान प्रयोगशाला को शीघ्र चालू किया जायें ।	डा0 मोहन सिंह (मृदा विज्ञान)
		प्रगतिशील कृषक श्री नवनीत गुप्ता	1. प्रदर्शनों में विश्वविद्यालय के बीजों का वितरण कराया जायें ।	सभी वैज्ञानिक

2.0 DETAILS OF DISTRICT (2014-15)

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	205981	605.2	29.38
2	Lentil	1160	0.7	5.87
3	Mustard /Toriya	10235	12.4	12.09
4	Paddy (Rice)	139065	325.7	23.42
5	Bajra	31231	38.3	12.27
6	Urd	11177	9.6	8.60

2.5 Weather data (rainfall) Dist. Moradabad

S. No.	Month	2013	2014
1	Jan	0.00	15.58
2	Feb	23.50	0.83
3	March	6.33	4.17
4	April	5.17	7.25
5	May	38.92	2.13
6	June	175.00	13.75
7	July	199.05	174.85
8	Aug	470.02	233.38
9	Sept.	89.13	82.75 (30-09-2014)
10	Oct.	2.25	-
11	Nov.	0.00	-
12	Dec.	0.00	-
	Total rainfall	1009.37	534.69
	Average rainfall	84.114	59.41

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	**49989**		
Buffalo	**327097**		
Sheep			
Crossbred	**220**		
Indigenous	**5667**		
Goats	**168248**		
Pigs	**-**		
Crossbred	**3165**		
Indigenous	**27159**		
Rabbits	**-**		
Poultry	**143957**		
Hens	-		
Desi	**-**		
Improved	**-**		
Ducks	**-**		
Turkey and others	**-**		
Fish	**172**	**5051**	**29.36**

2.7 Details of operation area/villages (2014-15)

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	Diversification in Agriculture. Use of improved

				quality planting material and production technology in horticultural crops. Low yield of paddy, wheat, mentha & mustard	variety and IPM, 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

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
Urd	HYV,INM,IPM
Maize	HYV, INM, IPM
Animal Husbandry	Feed & fodder management, Disease management, Dairy management, Poultry production
Cucurbits	HYV, INM, IPM
Cool crop	HYV, INM, IPM
Spice	Management technology

3.0 TECHNICAL ACHIEVEMENTS

3.A. Details of targeted mandatory activities by KVK during 2014-15

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	06	24	24	45.15	45.15	131	131

	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	68	68	1360	1360	600	1706	10000	31470
Rural youth	8	8	80	80				
Ext. Functionaries	13	13	130	130				
Sponsered traing	-	02		100				

Seed Production (Qtl.)			Planting material (Nos.)		
5			6		
Target	Achievement	Distributed to no. of farmers	Target	Achievement	Distributed to no. of farmers
200	378.43	Supply to U.P. Seed Coorp., Dalpatpur,MBD & 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	Paddy	Evaluation of suitable fertilizer dose of paddy on soil test basis	03	03
	Wheat	Nutrient management on the basis on soil testing	05	05
Integrated Pest Management	Paddy	Management of Stem borer in paddy	05	05
Integrated Crop Management	Sugarcane with intercrope	Assisment of suitable combination of intercrop with autumn sugarcane	03	03
	Paddy	Varietal evaluation of basmati rice	03	03
Integrated Disease Management	Wheat	Management of yellow rust in wheat	05	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			**24**	**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

FERTILIZER MANAGEMENT FOR HIGHER YIELD OF PADDY (KHARIF – 2014)

Problem definition Low yield of paddy due to imbalance use of fertilizer.

Technology assessed or refined Evaluation of different doses of fertilizers on soil test basis..

No. of Farmers 03

The farmers selected for OFT were involved from initial stage i.e. designing of OFT, selection of treatment and in whole process of yield improvement.

At the time of intervention application (critical input) both scientist, selected farmers and nearby farmers were present at oft field and observed the happenings closely. This whole process led to clear understanding of the oft objective and farmer were able differentiate between different treatment in comparison to the farmer practice.

Table : Performance of grain yield (*PHB-71*) in relation to Fertilizer management

Technology Option	No.of trials	No. of tillers/running meters	grain yield (q/ha.)	Yield increase (%)	Net Return (Rs./ha)	B:C Ratio
T_1= Farmer practice 150:40:0 kg/ha. NPK	3	196	67.60	-	59990	1:2.73
T_2= Recommendation dose of NPK (150:60:60) + 30 kg/ha.Zinc sulphate		262	84.42	24.88	82940	1:3.35
T_3= Recommended dose of fertilizer as on soil test basis+30 kg/ha.Zinc sulphate		259	84.00	24.26	81025	1:3.21

Result The scientific recommendation T_2 (150:60:60kg NPK/ha + 30 kg/ha Zinc sulphate has obtained maximum grain yield followed by T_3 in soil test basis as compare to control plot.

Final recommendation For higher grain yield and maintain soil fertility the farmers choose (T2) treatment (150:60:60 kg NPK/ha. + 30 kg Zinc sulphate as compare to T_2 & T_1 treatment.

Farmers reaction Farmers are convinced to more grain yield & bold grain size in T2 & T3 treatment. Treatment T_2 is partially higher grain yield over to T_3.

Date of transplanting & harvesting 25 July 2014 & 12 Nov. 2014

OFT -2

INTEGRATED CROP MANAGEMENT IN SUGARCANE (Rabi 2013-14)

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.Cos. 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
Farmers practices (Single crop)	3	-	675.5	-	108950	1:2.25
S.cane + Mustard		17.65	672.50	2.17	145950	1:2.50
S.cane + garlic		150.50	678.50	22.72	616915	1:3.90

Final recommendation The result indicated that intercropping of garlic & mustard are sowing & two row spacing of S.cane gave, higher net return Rs. 6.16915 lac/ha. in garlic followed by mustard Rs. 1.45950 per ha. over to control(Sole crop), 108950 per ha. with befit ratio 1:3.90, 1:2.50 & 1:2.25 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 25 Oct. 2013 & Intercropping harvested in 25 March 2014(Mustard), 5 April 2014 (Garlic) & S.Cane - 20 Nov 2014

OFT - 3

INTEGRATED NUTRIENT MANAGEMENT
(Rabi 2014-15)

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 120:40:0:0 N:P:K & Zn Kg/ha. (PBW-373)	05				
T_2 – 150:60:40:25 N:P:K & Zn Kg/ha.		43.04	3.76	38828	1:2.61
T_3 – On the basis of soil testing 168:70:52 :25		45.46	9.59	41027	1:2.64

Recommendation The data given in table shows that T_3 (Use of ***NPK Zn 168:70:52:25)*** Kg/ha. in the soil testing bases. T_3 is found best for proper nutrient. This treatment is able to increase the crop production in comparision to T_1 and T_2.

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

Date of Sowing & harvesting 08-09 Dec. 2014 and 20-23 April. 2015

OFT - 4

VARIETAL EVALUATION
(Kharif 2014)

Problem definition Low yield of Basmati rice.

Technology assessed or refined Varietal evaluation of Basmati rice.

No. of Farmers 03

KVK, Moradabad conducted on-farm trials on Varietal evaluation of Basmati rice.

Technology Option	No.of trials	Yield (q/ha)	Increase in yield (%)	Net Return (Rs./ha)	B:C Ratio
T_1 – Farmers practice	03	36.00	-	50400	1:1.58
T_2 – PS-1509		46.25	28.47	101750	1:3.08
T_3 – PS-1121		39.33	9.25	94392	1:2.80

Feed back i. Maximum grain yield received in T_2(PS1509) followed by T_3 (PS-1121) over to control plot (PB -1)

ii. PS 1509 (T_2) has been much short period variety as compare to PS 1121 & Pusa basmati - 1.

Farmers reactions i. PS 1509 is fit for Rice-wheat, mustard, Potato & garlic crop sequence.

ii. Low incidence of disease in Pusa 1509 as compare to Pusa 1121 & PB - 1.

Date of transplanting & harvesting 15 July 2014 & 25 Oct. 2014.

OFT - 5

PEST AND DISEASE MANAGEMENT
(Kharif – 2014)

Problem definition	Low yield of paddy due to infestation of ***Stem borer***.
Technology assessed or refined	To test the efficacy of different insectisides against stemborer 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 10% and 12.5% higher yield respectively over farmers practice (Carbofuran 3 CG @ 20 Kg/ha.). The insect infestation showed 1.5 times and 2.3 times more in farmers practice in comparision 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	12.5	40.0	-
T_2 - Use of Fipronil 0.3% @ 25 Kg/ha. in soil.		8.33	44.00	10.0
T_3 - Use of ***Cartap hydrochloride*** 4%G in soil @ 20 Kg./ha.		6.25	45.00	12.5

Recommendation	The data given in table shows that T_3 (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 38qt./hac. This treatment is able to minimize & control the stem borer infestation in comparision to T_1 and T_2.
Farmers reactions	Application of ***Cartap hydrochloride*** 4%G in soil in the paddy after 30-35 days of transplanting is very effective in controling the Stem borer infestation.
Date of transplanting & harvesting	15-21 July 2014 and 04-06 Nov. 2014

OFT - 6

PEST AND DISEASE MANAGEMENT
(Rabi – 2014-15)

Problem definition Low yield of wheat due to infestation of ***Yellow rust***.

Technology assessed or refined To test the efficacy of different fungisides 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 9.76% and 12.90% higher yield respectively over farmers practice (No use of chemical.). The disease infestation showed 1.5 times and 2 times more in farmers practice in comparision 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	12%	31.00	-
T_2 - Use of Mencozeb 75 WP @ 2.0 Kg/ha (Two spray)		8%	34.00	9.67
T_3 - Use of Propiconazole 25 EC @ 500ml/ha (Two spray)		6%	35.00	12.90

Recommendation The data given in table shows that in treatment T_3 (Use of ***Propiconazole*** 25 EC @ 500ml/ha (Two spray). I spray in last week of Jan and II after 15-20 days of I spray gave maxi. yield 35 qt/hac. This treatment is able to control and minimize the incidenec of yellow rust disease in wheat in comparision to other (T_1 and T_2).

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 03-06 Dec 2014 and 06-08 April 2015.

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 2014-15 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 traing. prog., FLD & Electronic media	19	251	360
2	Paddy	IDM	Two spray of tricyclazole -75WP first spray just appering of disease & Second spray after 15 days of first spray	Through traing. prog., FLD & Electronic media	15	152	220
3	Wheat	INM	Application of zinc sulphate basel dose in rice-wheat system	Through traing. prog., FLD & Electronic media	16	165	225
4	Paddy	IPM	Two spray of immidiacloropid 17SL at tillering stage & second dough stage	Through traing. prog., FLD & Electronic media	18	180	235

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 2014	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 2014	Irrigated	Loam	Medium	Low	Medium	Wheat	25-30 July, 2014	28 -30. Oct.2014	-	-

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	Uttra	10	4.0	12.50	9.7	10.68	8.40	13.37	15265	53400	38135	1:3.50	12950	42100	29150	1:3.25

a. Technical feedback

1	Uniform maturity & bold grain.
2	Increase the grain yield due to improved & certified variety.
3	Slightly incidence of yellow mosaic due to uncertain climate and suspetablity of yellow mosaic.
4	Low incidence of pod borer due to timely application of insecticide (Dimethoait).

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	Varietal evaluation +INM+IPM	- Replacment of local variety of mustard by Pusa Ashirwad - Use of sulphar as a basal dressing - Use of monocrotophos & M-45	Rabi 2014-15	4.0	4.0	01	11	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					
Mustard	Rabi 2014-15	Irrigated	Loam	Medium	Low	Medium	Paddy	25 Oct-02 Nov, 2014	15 -20 March 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
Mustard	- ICM	ICM through improved seed, sulphur application, weedicide & disease management	Pusa Asirwad	12	4.0	22.50	18.50	20.25	16.23	24.76	19650	60750	41100	1:3.10	16437	48690	32453	1:2.96

a. Technical feedback

1	Pusa ashirwad is a bold seeded & high yielding variety & good oil content.
2	Balance fertilization with application of sulphur @ 20kg/ha. to increase grain quality & improved the oil content.
3	Grain yield has been increased due to timely management of insect & disease.

b. Farmers reaction on specific technologies

S. N.	Feedback
1	Farmers are agree to mustard variety Pusa ashirwad is good & high yielding.
2	Farmers are convenice to the oil content and seed size has been bold due to application of sulphur.

c. Extension and Training activities under FLD

S.No.	Activity	No. of activity organised	No. of participants	Remarks
1	Field Day	01	27	
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 2014	2.4	2.4	01	05	06	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 2014	Irrigated	Loam	Medium	Low	Medium	Wheat	15-18 July 2014	25-30 Oct, 2014	-	-

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.	Sarbati	06	2.4	67.5	60.5	63.97	55.83	14.6	35650	102352	66702	1:2.87	34400	89328	54928	1:2.59

a. Technical feedback

1	Vishpary bac (Novino gold) 10 EC is effectively weed control (90%) .
2	Due to timely weed control, the grain yield has increased 14.6% 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 14.6% 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	26	
2.	Farmers Training	01	20	
3	Media coverage	02	mass	

FLD - 2
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	INM	Use of Zinc sulphate in paddy crop	Kharif 2014	2.0	2.0	02	03	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 2014	Irrigated	Loam	Medium	Low	Medium	Wheat	22-24 July 2014	15-20 Oct, 2014	-	-

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	INM	Use of Zinc sulphate in paddy crop	PHB -71	05	2.0	79.55	74.50	77.0	64.26	19.82	39250	107800	68550	1:2.75	37450	89964	52514	1:2.40

a. Technical feedback

1	Low incidence of kheera disease due to use of Zinc sulphate as basel dressing.
2	Uniform trilling.
3	Bold grain and uniform maturity.

b. Farmers reaction on specific technologies

S. N.	Feedback
1	Farmers are convinced the grain yield has been increased due to zinc sulphate.
2	Low incidence of disease due to sulphar.

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 - 3
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	INM	Use of zinc sulphate in wheat crop under rice-wheat cropping system	Rabi 2014-15	4.0	4.0	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 2014-15	Irrigated	Loam	Medium	Low	Medium	Paddy	20-25 Nov 2014	on basis of crop cutting	-	-

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	10	4.0	36.5	34.5	35.68	31.73	12.45	32650	62336	29586	1:1.90	32150	55000	22850	1:1.71

Technical feedback

1	Application of zinc sulphate in wheat crop under rice - wheat cropping system, No. of tillers has increased.
2	The use of zinc sulphate as a basel dressing, the grain yield incresed up to 12.44 over to control.
3	Increased the resistance against disease due to sulphur.

b. Farmers reaction on specific technologies

S. N.	Feedback
1	Farmers are convinced the grain yield has been increased due to zinc sulphate.
2	Low incidence of disease due to sulphar.

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 No. : 4
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	Nutrient mangement through Zinc sulphate - 33%, FeSo4 & Urea	Kharif 2014	4.0	4.0	04	06	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					
Paddy	Kharif 2014	Irrigated	Sandy loam and loam	Medium	Medium	Low	Wheat	18.7.14 to 20.7.14	28.10.14 to 30.10.14	-	-

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	INM	Nutrient mangement through Zinc sulphate - 33%, FeSo4 & Urea	Sarbati	10	4.0	49.8	45.1	47.29	41.8	13.13	24875	70935	46060	1:2.85	27980	62700	34720	1:2.24

a. Technical feedback

1	Sarbati (paddy) is very good variety for market and its good yield.
2	Use of essential micro-nutrient in paddy crop.

b. Farmers reaction on specific technologies

S. N.	Feedback
1	Application of zinc sulphate & Feso4 in paddy crop to increase the crop yield.
2	The use of zinc sulphate as a basel dressing, the grain yield incresed up to 12.90 over to control.

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
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 2014-15	4.0	3.2	01	07	08	Lack of budget

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 2014-15	Irrigated	Sandy loam and loam	Medium	Low	Low	Paddy	06.12.14 to 09.12.14	on basis of crop cutting	-	-

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	DBW-16	08	3.20	48.8	42.8	44.93	40.60	10.66	26550	65148	38598	1:2.45	25875	58870	32995	1:2.27

a. Technical feedback

S. No	Feed Back
1	Use of zinc sulphate & MOP 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. : 6
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 2014-15	4.0	3.2	01	07	08	Lack of budget

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 2014-15	Irrigated	Sandy loam and loam	Medium	Low	Low	Paddy	06.12.14 to 09.12.14	on basis of crop cutting	-	-

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	PBW-373	08	3.20	48.20	43.30	47.56	42.56	11.75	26375	68962	41587	1:2.61	26215	61712	35497	1:2.35

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. : 7
Horticulture : Bottle guard

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	Bottle guard	Promoting HYV of Bottle guard	To demonstrate of hybrids bottle guard in machan system	Kharif 2014	0.75	0.75	-	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					
Bottle guard	Kharif 2014	Irrigated	Sandy loam	Low	Low	Medium	Potato	12.6.14 to 14.6.14	20.8.14 to 25.10.14	-	-

Performance of FLD

Crop	Thematic Area	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)	Demo. Yield Qtl/ha			Yield of local Check Qtl./ha (Anurag)	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
Bottle guard	Promoting HYV of Bottle guard	To demonstrate of hybrids bottle guard in machan system	Sarita	05	0.75	360	270	315	290	8.62%	1,04,000	2,20,500	116500	1:212	1,03000	2,03000	1,00000	1:203

Rate of bottle guard : Rs. 700 per q

a. Technical feedback

S. No	Feed Back
1	Fruits size of sarita hybrids is medium (40 to 50 cm long) having very attractive shape, colors and its green dharies (lines).

b. Farmers reaction on specific technologies

S. N.	Feedback
1	Sarita hybrid of bottle guard is very attractive, very tasty and very acceptable to see market demand as compare to other hybrids of bottle guard.

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. : 8
Horticulture: Sponge guard

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	Sponge guard	Promoting HYV of sponge guard.	To demonstrate of hybrids sponge guard in machan system.	Kharif 2014	1.20	1.20	-	08	08	N.A.

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Transplanting date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
Sponge guard	Kharif 2014	Irrigated	Sandy loam and loam	Low	Low	Medium	Potato	12.7.14 to 15.7.14	15.09.14 to 10.10.14	-	-

Performance of FLD

Crop	Thematic Area	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)	Demo. Yield Qtl/ha			Yield of local Check Qtl./ha (NCH-578)	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
Sponge guard	Promoting HYV of sponge guard.	To demonstrate of hybrids sponge guard in machan system.	Alok	08	0.75	373	273	323	250	29.20	140400	3,30,000	189,600	1:2.35	1,48,000	3,34,000	1,86,000	1:2.257

a. Technical feedback

S. No	Feed Back
1	Size of sponge guard (Variety - Alok) is medium, cylendrical & attractive as compare to local.
2	Market Acceptability Good as Compare to Local Check.

b. Farmers reaction on specific technologies

S. N.	Feedback
1	Slightly early Picking as Compare to Local Check.(About 10-15 Days)
2	Market acceptability good.
3	Yield Performance of Alok is more as Compare to local check .

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. : 9

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 2014	2.0	2.0	2	8	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 2014	Irrigated	loam and Sandy loam	Low	Low	Medium	Mentha	23.6.14 to 27.6.14	07.11.14 to 12.11.14	-	-

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	HKR - 127	10	2.0	60.5	50.0	55.47	44.53	24.57	36000	66564	30564	1:1.85	33000	53424	20424	1:1.61

a. Technical feedback

S.No	Feed Back
1	Use of quality seed and improved variety is essential.
2	To increase production, timly sowing is must.

b. Farmers reaction on specific technologies

S. N.	Feedback
1	Variety HKR - 127 is higher grain yielder as compared to local check (variety – PD-10).
2	Variety HKR – 127 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	27	
2.	Farmers Training	02	40	
3	Media coverage	02	Mass	
4	Training for extension functionaries	01	20	

FLD No. : 10

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 new variety of paddy under Rice-wheat system	Kharif 2014	1.2	1.2	-	06	06	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 2014	Irrigated	loam and Sandy loam	Low	Low	Medium	Wheat	20.6.14 to 27.06.14	12.11.14 to 17.11.14	-	-

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 new variety of paddy under Rice-wheat system	PD - 18	6	1.2	52.0	49.5	50.75	40.87	24.17	32000	60900	28900	1:1.93	30000	49044	19044	1:1.63

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 PD – 18 is higher grain yielder as compared to local check (Variety PD – 10).
2	Variety PD – 18 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	-	-	
2.	Farmers Training	02	40	
3	Media coverage	03	Mass	

FLD No. : 11

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 Tricyclazole 75 % wp @ 600 gm/hac (Two spray)	Kharif 2014	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 2014	Irrigated	Loam	Low	Medium	Medium	Wheat	15-23 July. 2014	01-05 Nov.2014	-	-

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	Management of blast disease through Tricyclazole 75%	PB - 1509	10	4.0	37	35	36	33	9.09	33200	79200	46000	1:2.38	32000	72600	40600	1:2.26

a. Technical feedback

S.No	Feed Back
1	First spray of Tricyclazole 75 wp should be done at the just time of appear of disease symptoms on leaf and after that second spray of Tricyclazole 75 wp 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 Tricyclazole 75 wp 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	31	
2	Media coverage	01	Mass	

FLD No. : 12

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 2014	4.0	4.0	2	8	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 2014	Irrigated	Loam	Low	Medium	Medium	Toria, Wheat	15-20 July. 2014	14-16 Nov.2014	-	-

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	58	56	57	51.5	10.68	31890	79800	47910	1:2.50	32200	72100	39900	1:2.23

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 tillering stage 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	32	
2	Media coverage	01	Mass	

FLD No. : 13

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..	Rabi 2013-14	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					
S.cane	Rabi 2013-14	Irrigated	Loam	Low	Medium	Medium	Toria	5-8 Nov. 2013	21-25 Feb 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
S.cane	IPM	Control of top borer in sugarcane through carbofuran 3CG @ 30 Kg/hac..	MH0265	10	4.0	800	760	780	710	9.85	77750	218400	140650	1:2.80	76500	198800	122300	1:2.59

Technical feedback

S.No	Feed Back
1	Application of carbofuran 3CG @ 30Kg/ha. in the soil, in the first week of july and after application irrigation required immidately or with in one days, is very effective to control of Top borer in sugarcane .

b. Farmers reaction on specific technologies

S. N.	Feedback
1	Application of carbofuran 3CG @ 30Kg/ha. in the soil, in sugarcane is very effective to control of Top borer in sugarcane.

c. Extension and Training activities under FLD

S.No.	Activity	No. of activity organised	No. of participants	Remarks
1	Field Days	01	28	
2	Media coverage	01	Mass	

FLD No. : 14

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	-	-	-

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 cateroillars 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 2014 to March 2015)
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	10	166	-	166	34	-	34	200
Horticulture	04	80	-	80	-	-	-	80
Agro Forestry	01	16	-	16	04	-	04	20
Plant Breeding	08	143	-	143	17	-	17	160
Plant protection	07	102	-	102	38	-	38	140
Soil Sciene	07	109	-	109	31	-	31	140
Total	**37**	**616**		**616**	**124**		**124**	**740**

Practicing Farmers & Farm Women Off Campus								
Crop Production	06	108	-	108	12	-	12	120
Horticulture	-	-	-	-	-	-	-	-
Agro Forestry	-	-	-	-	-	-	-	-
Plant Breeding	07	130	-	130	10	-	10	140
Plant protection	08	129	-	129	31	-	31	160
Soil Science	10	148	-	148	52	-	52	200
Total	**31**	**515**		**515**	**105**		**105**	**620**

Rural Youth								
Crop Production	02	17	-	17	03	-	03	20
Horticulture	-	-	-	-	-	-	-	-
Agro Forestry	-	-	-	-	-	-	-	-
Plant Breeding	02	20	-	20	-	-	-	20
Plant Protection	02	18	-	18	02	-	02	20
Soil Science	02	18	-	18	02	-	02	20
Total	**08**	**73**		**73**	**07**		**07**	**80**

Extension functionaries								
Crop Production	03	25	-	25	05	-	05	30
Horticulture	-	-	-	-	-	-	-	-
Agro Forestry	-	-	-	-	-	-	-	-
Plant Breeding	01	10	-	10	-	-	-	10
Plant protection	03	26	-	26	04	-	04	30
Soil Science	06	51	-	51	09	-	09	60
Total	**13**	**112**		**112**	**18**		**18**	**130**

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	01	16	-	16	04	-	04	20	-	20
Resource Conservation Technology	01	18	-	18	02	-	02	20	-	20
Cropping system	02	30	-	30	10	-	10	40	-	40
Micro irrigation/ irrigation	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	09	160	-	160	20	-	20	180	-	180
Integrated nutrient management	05	83	-	83	17	-	17	100	-	100
Total	**18**	**307**	**-**	**307**	**53**	**-**	**53**	**360**	**-**	**360**
II. Horticulture										
(a) Vegetable crops										
Others - - Integrated crop management	04	80	-	80	-	-	-	80	-	80
Total (a)	**04**	**80**	**-**	**80**	**-**	**-**	**-**	**80**	**-**	**80**
(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.	01	18	-	18	02	-	02	20	-	20
- Cultivation of fruits										
Total (g)	**01**	**18**	**-**	**18**	**02**	**-**	**02**	**20**	**-**	**20**
Total (a-g)	**05**	**98**	**-**	**98**	**02**	**-**	**02**	**100**	**-**	**100**
III. Soil Health and Fertility Management										
Soil Fertility Management	01	15	-	15	05	-	05	20	-	20
INM	02	32	-	32	08	-	08	40	-	40
Production & use of organic inputs	01	18	-	18	02	-	02	20	-	20
Micro-nutrient deficiency in crops	01	14	-	14	06	-	06	20	-	20
Balance use of fertilizers	01	15	-	15	05	-	05	20	-	20
Soil & Water testing	01	15	-	15	05	-	05	20	-	20
Total	**07**	**109**	**-**	**109**	**31**	**-**	**31**	**140**	**-**	**140**
IV. Livestock Production and Management										
- Dairy Management										
Total										
VII. Plant Protection										
- IPM	05	76	-	76	24	-	24	100	-	100
- IDM	02	26	-	26	14	-	14	40	-	40
Total	**07**	**102**	**-**	**102**	**38**	**-**	**38**	**140**	**-**	**140**
XI. Agro forestry										
- Production technology										
Total										
GRAND TOTAL	**37**	**616**	**-**	**616**	**124**	**-**	**124**	**740**	**-**	**740**

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	01	20	-	20	-	-	-	20	-	20
Resource Conservation Technology	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	09	164	-	164	16	-	16	180	-	180
Integrated nutrient management	02	34	-	34	06	-	06	40	-	40
Total	**12**	**218**	**-**	**218**	**22**	**-**	**22**	**240**	**-**	**240**
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.	01	20	-	20	-	-	-	20	-	20
- Cultivation of fruits										
Total (g)	01	20	-	20	-	-	-	20	-	20
Total (a-g)	**01**	**20**	**-**	**20**	**-**	**-**	**-**	**20**	**-**	**20**
III. Soil Health and Fertility Management										
Soil Fertility Management	01	17	-	17	03	-	03	20	-	20
INM	03	60	-	60	-	-	-	60	-	60
Production & use of organic inputs	01	13	-	13	07	-	07	20	-	20
Micro-nutrient deficiency in crops	02	16	-	16	24	-	24	40	-	40
Balance use of fertilizers	01	14	-	14	06	-	06	20	-	20
Soil & Water testing	02	28	-	28	12	-	12	40	-	40
Total	**10**	**148**	**-**	**148**	**52**	**-**	**52**	**200**	**-**	**200**
IV. Livestock Production and Management										
- Dairy Management										
- Animal Nutrition management										
- Disease Management										
- Feed & fodder technology										
Total										
VII. Plant Protection										
- IPM	5	71	-	71	29	-	29	100	-	100
- IDM	3	58	-	58	02	-	02	60	-	60
Total	**8**	**129**	**-**	**129**	**31**	**-**	**31**	**160**	**-**	**160**
XI. Agro forestry										
- Production technology										
Total										
GRAND TOTAL	**31**	**515**	**-**	**515**	**105**	**-**	**105**	**620**	**-**	**620**

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	36	-	36	04	-	04	40	-	40
Resource Conservation Technology	01	18	-	18	02	-	02	20	-	20
Cropping system	02	30	-	30	10	-	10	40	-	40
Micro irrigation/ irrigation	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	18	324	-	324	36	-	36	360	-	360
Integrated nutrient management	07	117	-	117	23	-	23	140	-	140
Total	**30**	**525**	**-**	**525**	**75**	**-**	**75**	**600**	**-**	**600**
II. Horticulture										
(a) Vegetable crops										
- Others Integrated crop management	04	80	-	80	-	-	-	80	-	80
Total (a)	**04**	**80**	**-**	**80**	**-**	**-**	**-**	**80**	**-**	**80**
(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.	02	38	-	38	02	-	02	40	-	40
- Cultivation of fruits										
Total (g)	02	38	-	38	02	-	02	40	-	40
Total (a-g)	**06**	**118**	**-**	**118**	**02**	**-**	**02**	**120**	**-**	**120**
III. Soil Health and Fertility Management										
Soil Fertility Management	02	32	-	32	08	-	08	40	-	40
INM	05	92	-	92	08	-	08	100	-	100
Production & use of organic inputs	02	31	-	31	09	-	09	40	-	40
Micro-nutrient deficiency in crops	03	30	-	30	30	-	30	60	-	60
Balance use of fertilizers	02	29	-	29	11	-	11	40	-	40
Soil & Water testing	03	43	-	43	17	-	17	60	-	60
Total	**17**	**257**	**-**	**257**	**83**	**-**	**83**	**340**	**-**	**340**
IV. Livestock Production and Management										
- Dairy Management										
Total										
VII. Plant Protection										
- IPM	10	147	-	147	53	-	53	200	-	200
- IDM	5	84	-	84	16	-	16	100	-	100
Total	**15**	**231**	**-**	**231**	**69**	**-**	**69**	**300**	**-**	**300**
XI. Agro forestry										
- Production technology										
Total										
GRAND TOTAL	**68**	**1131**	**-**	**1131**	**229**	**-**	**229**	**1360**	**-**	**1360**

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	01	10	-	10	-	-	-	10	-	10
Vermi composting										
Press mud composting	-	-	-	-	-	-	-	-	-	-
Mushroom production	-	-	-	-	-	-	-	-	-	-
Bee Keeping										
Seed Production (Rice)	-	-	-	-	-	-	-	-	-	-
Seed Production (Rice & wheat)	02	20	-	20	-	-	-	20	-	20
Grand Total	**03**	**30**	**-**	**30**	**-**	**-**	**-**	**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	01	08	-	08	02	-	02	10	-	10
Vermi composting	02	17	-	17	03	-	03	20	-	20
Press mud composting										
Mushroom production	-	-	-	-	-	-	-	-	-	-
Bee Keeping	2	18	-	18	2	-	2	20	-	20
Seed Production (Rice)	-	-	-	-	-	-	-	-	-	-
Dairying	-	-	-	-	-	-	-	-	-	-
Sheep and **goat rearing**										
Poultry production										
Grand Total	**05**	**43**	**-**	**43**	**07**	**-**	**07**	**50**	**-**	**50**

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

Area of training	No. of courses	No. of participants								
		Others			SC/ST			Grand Total		
		M	F	T	M	F	T	M	F	T
Production of organic inputs	**02**	**18**	**-**	**18**	**02**	**-**	**02**	**20**	**-**	**20**
Vermi composting	02	17	-	17	03	-	03	20	-	20
Press mud composting										
Mushroom production	-	-	-	-	-	-	-	-	-	-
Bee Keeping	**02**	**18**	**-**	**18**	**02**	**-**	**02**	**20**	**-**	**20**
Seed Production (Rice)	-	-	-	-	-	-	-	-	-	-
Seed Production (Rice & wheat)	02	20	-	20	-	-	-	20	-	20
Planting Material Production (Medicinal & Aromatic plants)	-	-	-	-	-	-	-	-	-	-
Commercial spices production										
Commercial Fruit Production & Nursery	-	-	-	-	-	-	-	-	-	-
Dairying	-	-	-	-	-	-	-	-	-	-
Sheep and **goat rearing**										
Poultry production										
Grand Total	**08**	**73**	**-**	**73**	**07**	**-**	**07**	**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	**05**	**43**	**-**	**43**	**07**	**-**	**07**	**50**	**-**	**50**
Production & use of organic inputs	**01**	**08**	**-**	**08**	**02**	**-**	**02**	**10**	**-**	**10**
Productivity enhancement in field crops	04	35	-	35	5	-	5	40	-	40
Integrated pests management	**03**	**26**	**-**	**26**	**4**	**-**	**4**	**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	**13**	**112**	**-**	**112**	**18**	**-**	**18**	**130**	**-**	**130**

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 (24-26 Feb 2015)	01	32	-	32	18	-	18	50	-	50
F.T.T (17-19 March 2015)	01	37	-	37	13	-	13	50	-	50
Total	**02**	**69**	**-**	**69**	**31**	**-**	**31**	**100**	**-**	**100**
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) **Exposer Visit at S.V.B.P.U.A & T, in Kisan mela Meerut on dated (16.102014) (1 Buses)**	01	35	-	35	15	-	15	50	-	50
Total	**01**	**35**	**-**	**35**	**15**	**-**	**15**	**50**	**-**	**50**
Grand Total	**03**	**104**	**-**	**104**	**46**	**-**	**46**	**150**	**-**	**150**

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	02	18	-	18	02	-	02	20	-	20
Others (pl. specify)	-	-	-	-	-	-	-	-	-	-
Total	**02**	**18**	**-**	**18**	**02**	**-**	**02**	**20**	**-**	**20**
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	02	17	-	17	03	-	03	20	-	20
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)	02	20	-	20	-	-	-	20	-	20
Seed production (Rice)	-	-	-	-	-	-	-	-	-	-
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**	**18**	**-**	**18**	**2**	**-**	**2**	**20**	**-**	**20**
Total	**06**	**55**	**-**	**55**	**05**	**-**	**05**	**60**	**-**	**60**
Agricultural Extension										
Capacity building and group dynamics	-	-	-	-	-	-	-	-	-	-
Others (pl. specify)	-	-	-	-	-	-	-	-	-	-
Total										
Grand Total	**08**	**73**	**-**	**73**	**07**	**-**	**07**	**80**	**-**	**80**

IV. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
Advisory Services	580	1740	20	1760
Diagnostic visits	80	1210	15	1225
Field Day	10	392	2	394
Group discussions	-	-	-	-
Kisan Ghosthi	35	5125	135	5260
Film Show	45	1110	35	1145
Self -help groups	-	-	-	-
Kisan Mela	8	8500	165	8665
Exhibition	2	3625	68	3693
Scientists' visit to farmers field	272	3428	-	3428
Eradication of parthenium (Gajar ghas)	4	185	-	185
Farm Science Club	-	-	-	-
Ex-trainees Sammelan	-	-	-	-
Farmers' seminar/workshop	2	426	36	462
Method Demonstrations	1	12	-	12
Celebration of important days (Kisan samman Sammaroh) at KVK	1	55	-	55
Special day celebration				
Exposure visits	1	50	-	50
Others (pl. specify)				
Visit of farmers & farmer group to KVK	646	1997	56	2053
Traing. of horticulture Dist- MBD & Sambal	12	300	26	326
Kisan Gosthi (Land development & soil conservation), Dist - Sambal	07	1400	36	1436
Total	**1706**	**29555**	**594**	**30149**

A. Details of other extension programmes

Particulars	Number
Electronic Media (CD./DVD)	5
Extension Literature	
Pamplet	6
Folder	6
News paper coverage	88
Popular articles	2
Radio Talks	2
TV Talks	-
Animal health amps (Number of animals treated)	-
Others (pl. specify) Research Paper	2
Total	**111**

B. Mobile Advisory Services

No. of KVKs	No. of voice message sent	No. of farmers benefited
1	-	-
	No. of Advise through Mobile	
1	1210	1210

KHARIF TAKNIKI KRISHAK JAGARUKTA ABHIYAN – 2014

The KVK conducted KHARIF ABHIYAN – 2014 in 06 villages with the following objectives:

- ❖ Soil test based soil health management campaign
- ❖ Awareness of latest high yielding varieties of different crops, seed treatment, IPM and crop rotation.
- ❖ Farmers – Scientist interaction.

Date	Village	Block	Distric	No. of farmers contacted
07.06.2014	Behrampur	Chajlet	Moradabad	49
10.06.2014	Akroli	Baniyakhera	Sambhal	60
11.06.2014	Abupura	Bilari	Moradabad	52
24.06.2014	Kundarki	Kundarki	Moradabad	52
25.06.2014	Khanpur	Bilari	Moradabad	52
26.06.2014	Kuchawali	Chajlet	Moradabad	52
Total	06village	4 Block		317

RABI TAKNIKI KRSHAK JAGARUKTA ABHIYAN – 2014-2015

The KVK conducted RABI ABHIYAN – 2014-2015 in 07 villages

(10 - 18 NOV., 2014)

Date	Village	Block	Distric	Participants
10-11-2014	Hajarat nagar gadhi	Sambhal	Sambhal	62
11-11-2014	Khanpur	Bilari	Moradabad	60
12-11-2014	KVK	Bilari	Moradabad	50
13-11-2014	Rajpura	Rajpura	Sambhal	71
14-11-2014	Fatehpur natha	Bilari	Moradabad	55
15-11-2014	Junawai	Junawai	Sambhal	51
18-11-2014	Manota	Manota	Sambhal	73
Total	**07 village**	**05 Block**		**422**

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	46	200	
	Film show	14	200	
	Distribution of Literature (No.)	12	200	
	Fair	1	352	
	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 2014**	**PS-4**	**-**	**136.00**	-	To be supplied UPSDC, Dalpatpur
Total				**136.00**		
	Wheat Rabi 2014-15	**DPW-621-50 DBW-16**		**136.20 104.40**		-
Total				**240.60**		
Oilseeds						
Pulses	Urd (Kharif 2014)	PU-40	-	1.83	-	Supply to N.S.C. Meerut
	Total			**1.83**	**-**	
G.Total				**378.43**		

Commercial crops	Bajra (Kharif 2014)	Balwan (NBH-4903)	-	62.0	-	Auction
	Total			**62.0**		
Vegetables						
Flower crops						
Spices						
Fodder crop seeds						
Fiber crops						
Forest Species						

Others (Seed Mixture)						
Grand Total				**440.43**		

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 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				
Water				**Lack of instruments**
Plant				
Manure				
Others (pl.specify)				
Total				

VIII. SCIENTIFIC ADVISORY COMMITTEE

Name of KVK	Number of SACs conducted
Krishi Vigyan Kendra, Moradabad (28th Nov. 2014)	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	12
Pulses	4.0	10
Cereals	24.4	61
Vegetable crops		
Tuber crops		
Total	**32.4**	**83**

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 buildingof 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
Total			

XIV. CASE STUDIES (CASE STUDIES MAY BE GIVEN IN DETAIL AS PER THE FOLLOWING FORMAT)

Each Zone should propose a minimum of three case studies with good action photographs (with captions on the backside of the hard copy of the photos) on the following topics

a) *Effective popularization on a larger scale of any one FLD technology and its role in transformation of district agriculture with respect to that particular crop or enterprise*
b) *Performance of the end results of any one technology assessed, its refinement if any and its impact in district agriculture with respect to that crop or enterprise*
c) *Effect of production and supply of seeds and planting material / animal breed / or bio-product and its impact on district agriculture with respect to that crop/ enterprise/ bio-product*

The general format for preparing the above case studies are furnished below

Name of the KVK

A. TITLE

B. Introduction

KVK intervention
Output
Outcome
Impact

XIV. AGRICULTURAL TECHNOLOGY INFORMATION CENTRE

A. Details on ATICs

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

B. Details on Farmer's visit

S. No	Purpose of visit	Number of farmer's visited
01	Technology Information	1997
02	Technology Products	
03	Others if any pl. specify	

C. Facilities in the ATIC which are in operation

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

D. Technology information 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		1210							

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	137.83 qt.	137.83 Quintal		Supply to NSC, Meerut & UPSDC, Rampur
02	Planting materials	5000	5000	-	3000 plants use in kvk farm
03	Livestock		Numbers		
04	Poultry birds		Numbers		
05	Bio-products	-	Quintals		
06	Others pl. specify				

F. Technology services provided

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

XV. TECHNOLOGICAL BACKSTOPPING BY DIRECTORATES OF EXTENSION

States covered:

Number of Directorates of Extension:

A. Details on Directors of Extension

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

B. Workshops / meetings organized

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

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

S. No.	Particulars	Number of visits
01	SAC meetings	01
02	Field days	
03	Workshops / seminars	01
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 1st 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

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