KRISHI VIGYAN KENDRA
Muradnagar Ghaziabad

ANNUAL PROGRESS REPORT

(April-2017-March-2018)

Krishi Vigyan Kendra
Ghaziabad

Directorate of Extension

Sardar Vallabhbhai Patel University of Agriculture & Technology, Meerut

PROFORMA FOR PREPARATION OF ANNUAL REPORT (April-2017-March-2018)

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	45	855	8	863
Rural youths	22	312	32	344
Extension functionaries	18	250	14	264
Sponsored Training				
Vocational Training				
Total	85	1417	54	1471

2. Frontline demonstrations

Enterprise	No. of Farmers	Area (ha)	Units/Animals
Oilseeds			
Pulses	39	15.0	
Cereals	69	29.6	
Vegetables	25	4.5	
Other crops	10	10	
Hybrid crops			
Total	**143**	**59.1**	
Livestock & Fisheries	55	2.0	20 animals
Other enterprises	42	29	
Total	**97**	**31.0**	
Grand Total	240	90.1	**20 animals**

3. Technology Assessment & Refinement

Category	No. of Technology Assessed & Refined	No. of Trials	No. of Farmers
Technology Assessed			
Crops	11	11	47
Livestock	01	01	30
Various enterprises			
Total	**12**	**12**	**77**
Technology Refined			
Crops			
Livestock			
Various enterprises			
Total			
Grand Total			

4. Extension Programmes

Category	No. of Programmes	Total Participants
Extension activities	736	7307
Other extension activities		
Total	**736**	**7307**

5. Mobile Advisory Services

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weather	Marke-ting	Awar eness	Other enterpri se	Total
Ghaziabad	Text only							
	Voice only	965	250	275	82	876	272	2720
	Voice & Text both							
	Total Messages	**965**	**250**	**275**	**82**	**876**	**272**	**2720**
	Total farmers Benefitted	**1360**	**575**	**450**	**205**	**1467**	**520**	**4577**

6. Seed & Planting Material Production

	Quintal/Number	Value Rs.
Seed (q)	86.45	
Planting material (No.)	24971	3380
Livestock Production (No.) Egg+Meat		
Fishery production (No.)		

7. Soil, water & plant Analysis

Samples	Source of Sample		Total health card issued	Value Rs.
Soil sample	From Farmer'		1544	23020.00
	Demo			
Water				
Total				

8. HRD and Publications

Sr. No.	Category	Number
1	Workshops	04
2	Conferences	14
3	Meetings (NEP, IARI)	28
4	Trainings for KVK officials	05
5	Visits of KVK officials	14
6	Book published	-
7	Training Manual	04
8	Book chapters	-
9	Research papers	14
10	Lead papers	02
11	Seminar papers	08
12	Extension folder	04
13	Proceedings	06
14	Award & recognition	03
15	On going research projects	01

ANNUAL REPORT
(April-2017-March-2018)

1. GENERAL INFORMATION ABOUT THE KVK

1.1. Name and address of KVK with phone, fax and e-mail

Address	Telephone		E mail
	Office	FAX	
Krishi Vigyan Kendra, (Behind Ordinance Factory) Murad Nagar, Ghaziabad. UP- 201 206	01232 – 262300	01232 - 262300	ghaziabadkvk@gmail.com

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

Address	Telephone		E mail
	Office	FAX	
Directorate of Extension, SVPUA & Technology, Modipuram, Meerut-250110 (UP)	0121-2888540 2888511	0121-2888511	desvpuat@gmail.com

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Hans Raj Singh	0945703308401	09411263753	**ghaziabadkvk@gmail.com**

4. Year of sanction: 1992

1.5. Staff Position (as on 31st March, 2018)

Sl. No.	Sanctioned post	Name of the incumbent	Design-ation	Discip-line	Pay Scale (Rs.)	Present basic (Rs.) 31.03.2018	Date of joining	Perman-ent /Temp-orary	Category (SC/ST/ OBC/ Others)	Mobile no.	Age	Email id
1	Programme Coordinator	Dr. H.R. Singh	Professor and Head	Agronomy	37400-67000 (10000)	55520.00	02.02.1995	Permanent	OBC	09411263753	50	drhansraj67@gmail.com
2	Subject Matter Specialist	Smt. Anita Yadav	SMS	Home Science	37400-67000 (9000)	49830.00	29-07-1995	Permanent	OBC	09968048826	49	pranavyadav32@gmail.com
3	Subject Matter Specialist	Dr. P.S. Tiwari	SMS	Agril. Engg	15600-39100 (8000)	37390.00	01-07-1998	Permanent	Others	09412311560	50	drpsteng@gmail.com
4	Subject Matter Specialist	Dr. Vipin Kumar	SMS	Agrono.	15600-39100 (8000)	30840.00	9-12-2003	Permanent	Others	09013389751	44	drv_kumar1973@rediffmail.com
5	Subject Matter Specialist	Dr. Arvind Kumar	SMS	Entomology	15600-39100 (8000)	30720.00	10-12-2003	Permanent	O.B.C.	09410443028	42	arvindkvk@rediffmail.com
6	Subject Matter Specialist	Dr. Anant Kumar	SMS	Horti.	15600-39100 (7000)	25020.00	23.06.2008	Permanent	SC	09837559055	43	
7	Subject Matter Specialist	Dr. Promod Kisanji Madke	SMS	Animal Science	15600-39100 (7000)	25020.00	26-06-2008	Permanent	SC	09012439468	44	madke@gmail.com
8	Programme Assistant	**Vacant**										
9	Computer Programmer	Sh. Zayeem Khan	Programme Assistant	Computer	9300-4200-34800	47600.00	30-07-2007	Permanent	Others	09808178431	37	zksvpu@yahoo.com
10	Farm Manager	Dr. Davendra Pal	Programme Assistant/Farm Manager	Agrono.	9300-4200-34800	46200.00	03.07.2007	Permanent	OBC	09411062696	45	
11	Accountant / Superintendent	Sh Praveen Kumar Agarwal	Office Supdt/ Accountant	Accountant	9300-4200-34800	46200.00	26.12.2008	Permanent	Others		39	
12	Stenographer	Sh.Y. K. Sharma	Steno/Computer Operator	Steno	5200-20200 2400	35300.00	27.07.2007	Permanent	Others		47	Sharmayks71@gmail.com
13	Driver	Sh	Driver	Driver	5200-	31400.00	12-12-	Permanent	Others		40	

		Avdhesh Tyagi			20200 2400		2003					
14	Driver	Sh. Kanwar Pal	Driver	Driver	5200-20200 1900	27800.00	27-07-2007	Permanent	OBC		38	
15	Supporting staff	Sh. Shiv	Village Attendant	Attendant	5200-20200 2400	32300.00	10-01-1996	Permanent	OBC		58	
16	Supporting staff	Sh. Neeraj Kumar Yadav	Peon/Security Gauard	Peon	5200-20200 1900	27600.00	09-12-2003	Permanent	OBC		39	

1.6. Total land with KVK (in ha) : 17. 01

S. No.	Item	Area (ha)
1	Under Buildings	1.50
2.	Under Demonstration Units	0.27
3.	Under Crops	5.0
4.	Orchard/Agro-forestry	0.4
5.	Others (Barren land-Saline and land Encrochment)	9.84

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	-	510.00	43.65	--	-	-
2.	Farmers Hostel	ICAR	-	300.00	22.92	--	-	-
3.	Staff Quarters (6)	ICAR	-	400.00	26.72	--	-	-
4.	Demonstration Units (2)	ICAR	-	160.00	11.06	--	-	-
		ICAR	-	2000 running meter	38.43	--	-	-
5	Fencing	-	-	-	8.26	--	-	-
6	Rain Water harvesting system	ICAR	-	300.00	2.34	--	-	-
7	Threshing floor	ICAR	-	60.00	3.63	--	-	-

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Bolero	2009	507000.00	75082	Good condition
Gypsy	1992	N.A,	3.65 Lakh	Out of order (Oction 2018)
Tractor	2005	3,44,500	1500 Hrs	Running
Motar cycle	2006	40,871	46556	Poor condition
Bicycle	2007	2375	-	Running
Motar Cycle	2010	50000	1100	Running

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Steel Almirah (Two)	16.04.1996	4550.00	Poor conditions
Senior Office Table (One)		3201.00	Poor conditions
Office Table (Seven)		14840.00	Poor conditions
Office Table (One)		1030.00	Poor conditions
Office Chair with foam seat back (Eight)		4064.00	Poor conditions
Office Chair (22)		6248.00	Poor conditions
Steel bench (Two)		754.00	Poor conditions
Total		**34687.00**	

Discount ½%		173.45	
		34573.55	
Trade Tax @ 15%		5177.05	
Grand Total		**39690.60**	
Typewriter (Hindi) One	14.06.1996	9908.35	Poor condition
Ceiling Fan (Two)	28.04.1999		Poor condition
Zero Till ferti seed drill	13.11.1999		Poor condition
Tractor drawn Sugar can cutter planter (Two Row)	03.02.2000		Poor condition
Xerox Machine	19.02.2000		Poor conditions
One Computer, with Table & Chair (old)	13.03.2000		Poor conditions
Ceiling Fan (Six)	23.03.2002	5658.00	Poor condition
Computer P4, HP 6089,Slide Projector, Screen	25.03.2004		Poor condition
Inverter Sukan 760VA, Battery 12 V/165Ah	31.03.2004	10000.00	Poor condition
H.P.Digital Camera	31.03.2004	19656.00	Poor condition
H.P.Scanner	31.03.2004	15500.00	Good condition
Steel Almirah, Book case	31.03.2005	10856.00	Good condition
Tractor Sonalika	15.07.2005	344500.00	Good condition
HP laserjet Printer	21.12.2005	9999.00	Poor condition
Motor Cycle Hero Honda	31.03.2006	40871.00	Good condition
O.H.P.	13.06.2007		Good condition
Herro 14 disk lift baring,Cultivator 11 Tyne spring loaded, Bund maker Leveler 7 fut	27.09.2006	49035.00	Good condition
Book case1675X840X305mm (Two)	22.03.2007	7258.00	Good condition
Panasonic LCD Multimedia Projector	30.03.2007	64125.00	Good condition
S.D. Memory Card Complete with Grd Reader	30.03.2007	4000.00	Good condition
U.P.S. Microtek 800 VA 135378	25.05.2007	2490.00	Poor condition
U.P.S.	13.06.2007		Poor condition
Tractor trolly	06.08.2009	122018.00	Good condition
Furniture (Adam. Building)	23.03.2009	280131.00	Good Condition
Furniture (Farmer hostel)	23.03.2009	259006.00	Good Condition
Utensil etc	25.03.2009	33695.00	Good condition
A.C. 1.5 ton	25.03.2009	22500.00	Good condition

1.8. A). Details SAC meeting conducted in the year 07.12.17

S.No.	Name of designation	Suggestion by the SAC Members	Action taken
1.	Dr. S.K.Sachan Director Extension, Sardar Vallabhbhai Patel Univ. of Agriculture. & Technology, Meerut	Director, Suggested that create awareness among the farmers to stop the business of crop residue.	To farmers training were organized on burning of crop residue and delivered literature in goshtities and farmers fairs.
2.	Dr. S.K.Sachan Director Extension, Sardar Vallabhbhai Patel Univ. of Agriculture. & Technology, Meerut	Director Extension, Suggested that one crop /technology should be promoted in one village / area.	Vegetables production was promoted in Nahal and Kusliya village and banana cultivation promoted in Mohemmedpur kadim.
3.	Dr. N.P.Singh, Ex. Project Co-coordinator, ATARI, Kanpur	Dr. N.P.Singh suggested that the demonstration and training should be organized on medicinal and ornamental plants.	Three demonstrations were organized on ashwagandha, Tulshi and Alovera in purshi, Jalalpur and Sirora village two training were conducted on the topic.
4.	Dr.R.S.Verma, District Plant Protection officer, Ghaziabad	Dr. Verma advised that Dispiribach sodium insecticides dose ear should be increased.	Two trainings were conducted on the increase of dose of despirilade sodium insecticides.
5.	Dr. S.K.Sachan Director Extension, Sardar Vallabhbhai Patel Univ. of Agriculture. & Technology, Meerut	Dr. S.K.Sachan Director Extension advised that literature published by ICAR, Institute and University in animal science subject should be recd.	Before preparing demonstration the scientist of animal science Dr. P.K.Madke visited IVRI, Bareilly and Makdoom, Mathura.
6.	Dr. N.P.Singh, Ex. Project Co-coordinator, ATARI, Kanpur	Dr. N.P.Singh suggested that the ashwagandha & satawar are very useful for women so that these plants should be included in Kitchen garden.	Three trainings were conducted in purshi, Badka, and Nasirpur village.
7.	Sh.Pramod Tyagi, Agriculture Entrepreneur	Sh.Pramod Tyagi suggested that the trainings and demonstrate should be organized on zero tillage.	Two trainings were conducted on zero tillage.
8.	Dr. S.K.Sachan Director Extension, Sardar Vallabhbhai Patel Univ. of Agriculture. & Technology, Meerut	Director Extension told that three times production recorded in the state travels planting of sugarcane so that the large amount of demonstrate and training should be organized.	Two trainings and demonstration were conducted on the topic.
9.	Smt. Neelam Tyagi, Secretary, NGO	Smt. Neelam Tyagi Tyagi suggested that the trainings on soybean product should be organized on the centre.	Two trainings were conducted on the soybean product.

2. DETAILS OF DISTRICT (2017-18)

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

S. No	Farming system/enterprise
1	Crop+ Dairy
2	Crop+ Dairy +Horticulture (Vegetables & Flower cultivation)
3.	Crop+ Dairy +Horticulture + Bee keeping
4.	Crop+ Dairy +Horticulture+ Bee keeping +Poltry/Fishries/Mushroom.Vermi compost

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

S. No	Agro-climatic Zone	Characteristics
1	Western Plain Zone	Average rain fall 795 mm. Maximum temp.-37^0-$42^{0\,C}$ Minimum temp.-4.5^0C-6.9^0C Relative Humidity-32-85% Soil-Sandy Loam , Loam, Clay Cropping Intensity -157%

2.3 Soil type/s

S. No.	Soil type	Characteristics			Area in (ha)
		pH	(N P K)	Crop	
1	Loam to Sandy Loam (AES I)	7.5-8.5	187.38, 53.7, 7.46	Sugarcane, Wheat, Paddy,	79910.00
2.	Sandy Loam (AESII)	7.0-7.5	99.49, 33.12 9.27	Sugarcane, Wheat, Paddy, Mustard, Sorghum	82954.00
3.	Sandy/Sandy Loam (AESIII)	7.5-8.0	125.71, 39.29 8.16	Sugarcane, Wheat, Paddy, Sorghum(Fodder)	80192.00
4.	Alkaline/Saline (AESIV)	8.7-9.7	129.27, 51.88 5.08	Wheat, Paddy, Vegetable, Sorghum (Fodder)	26911.00

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

	Crop	Area(ha)	Production(Qtl)	Productivity(Qtl/ha)
Kharif	Paddy	24794	626540	25.27
	Bajra	326	5720	17.55
	Maize	1803	49950	27.26
	Sorghum	8	70	8.21
	Urd	595	3290	5.52
	Moong	36	-	3.74
	Arhar	2218	17090	7.71
Rabi	Wheat	76121	3060710	40.21
	Barly	589	21170	35.95
	Chickpea	5	50	9.89
	Pea	13	160	12.03
	Lentil	234	2060	8.82
	Rape seed &Mustard	2431	26920	11.08
	Potato	4249	963090	226.13
Zaid	Urd	93	570	6.13
	Moong	118	810	6.89
	Maize	49	750	15.32
	Sugarcane	63396	33975180	535.92

2.5. Weather data

Month	Rainfall (mm)	Temperature 0 C		Relative Humidity (%)
		Maximum	Minimum	
April-16	10.50	42.2	13.0	62
May-16	13.30	42.2	19.5	63
June-16	70.70	40.0	20.0	58
July-16	201.30	35.0	24.0	53
August-16	190.40	36.0	31.0	65
Sept.-16	136.90	36.5	31.5	68
Oct. 16	19.90	28.8	23.0	65
Nov.-16	2.10	22.0	18.0	62
Dec.-16	9.5	18.0	16.0	70
Jan.2017	0.50	16.0	14.0	85
Feb.2017	18.47	22.0	16.0	80
March-2017	4.96	29.5	18.0	60

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

Category	Population	Production	Productivity
Cattle	91901		
Crossbred	55825	Not Available	Not Available
Indigenous	36076		
Buffalo	475763		
Sheep	911		
Crossbred	127		
Indigenous	784		
Goats	50823		
Pigs	9149		
Crossbred	2322		

Indigenous	6827		
Poultry			
Hens	40459		
Turkey and others	1380		
Category	**Population**	**Production**	**Productivity**
Fish	73.12 area in ha.	352 Quintal	-
	16.00	862 Quental	-

2.7 Details of Operational area / Villages

Sl. No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust area
1.	Modinagar	Murad nagar	Rawali Dhendha, Nekpur	Paddy, Urd, Pigeon pea Wheat, Mustard, Sugarcane Vermin compost Nutrition garden Paddy, Urd.	• Pod borer in Chickpea & Pigeon pea • Top borer and white grub in Sugarcane • Inadequate nutrients in take in daily diets • Stem borer & Bacterial blight in Basmati Rice.	To transfer technology and knowledge of new fungicide, insecticide, pesticide To transfer the improve technology for reducing infestation of insect & pest. Balance Nutrition in rural women & children.
2.	Ghaziabad	Raja pur	Chitora, Kushalia Kannuja	Paddy, Urd, Pigeon pea, Wheat, Mustard, Pea, Beekeeping, Vermi-compost,	• Stem borer & Bacterial blight in Basmati Rice • Pod borer in Chickpea & Pigeon pea • Top borer and white grub in Sugarcane	• Low in take of proper nutrients in diet • To transfer the improve technology for reducing infestation of insect & pest

2.8 Priority/thrust areas

Crop/Enterprise	Thrust area
Pulses	IPM for pod borer control and introduction of new variety.
Oilseed	INM for higher and quality production
Paddy	IPM for stem borer management
Sugarcane	INM for higher production and soil health.
Sugarcane	IPM for white grub control.
Vegetables	Introduction of improved & hybrid varieties.
Soil health	Organic matter enhancement
Dairy	Feed &fodder management.

2.9 Intervention/ Programmes for the doubling the farmers income – during 2017-18 **Demonstrations**

Before Interventions	**Main crop Yield(q/ha)**	**Inter crop Yield(q/ha)**	**Equivalent Yield(q/ha)**	**Cost of cultivation(Rs/ha)***	**Net income(Rs/ha)**	**B.C: Ratio**	**Remark if any**
Intercropping System(Kharif-Rabi-Zaid) -Livestock etc.							
Zaid (Sugarcane + french bean)	240	228.5	432.66	89000.00	324614.50	4.6:1	

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

After Interventions	**Main crop Yield(q/ha)**	**Inter crop Yield(q/ha)**	**Equivalent yield(q/ha)**	**Cost of cultivation(Rs/ha)***	**Net income(Rs/ha)**	**B.C: Ratio**	**Remark if any**
Intercropping System(Kharif-Rabi-Zaid) -Livestock etc.							
Rabi(Sugarcane + Black gram)	224	7.52	892.38	83300.00	189173.50	3.2:1	
Sugarcane + Green gram	824	9.21	890.43	82500.00	206875.00	3.5:1	

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

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

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

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

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

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

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

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

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

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

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

After Interventions	**Main crop Yield(q/ha)**	**Inter crop Yield(q/ha)**	**Equivalent yield(q/ha)**	**Cost of cultivation(Rs/ha)***	**Net income(Rs/ha)**	**B.C: Ratio**	**Remark if any**
Mixed Farming System(Kharif-Rabi-Zaid) -Livestock etc.							
Paddy	46.50			39100	96580	3.4:1	
Wheat	44.50			36900	47376	2.2:1	
Buffallo (2)	5760 ltr/year			82500	67500	1.8:1	
Average				52862.00	70485.30	2.4:1	

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

Before Interventions	**Main crop Yield(q/ha)**	**Inter crop Yield(q/ha)**	**Equivalent yield(q/ha)**	**Cost of cultivation(Rs/ha)***	**Net income(Rs/ha)**	**B.C: Ratio**	**Remark if any**
IFS System(Kharif-Rabi-Zaid) - Livestock etc.							
Sugarcane – ratoon , Sorghum –rice – Wheat, 2 buffello and				96000.00	434000.00	5.5:1	

1 cow , vegetable , fisheries , kitchen garden (1.5 ha)							

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

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

Discussion: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) *
Note- Same format may be used for OFT.

3. TECHNICAL ACHIEVEMENTS

3.A. Details of target and achievements of mandatory activities by KVK during 2017-18

OFT (Technology Assessment and Refinement)				FLD (Oilseeds, Pulses, Cotton, Other Crops/Enterprises)			
1				2			
Number of OFTs		Total no. of Trials		Area in ha		Number of Farmers	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
12	12	77	77	90.1	90.1	240	240

Training (including sponsored, vocational and other trainings carried under Rainwater Harvesting Unit)					Extension Activities			
3					4			
Number of Courses			Number of Participants		Number of activities		Number of participants	
Clientele	Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
Farmers	60	45	1200	863	700	736	7000	7307
Rural youth	20	22	300	344				
Extn. Functionaries	20	18	200	264				

Seed Production (Qtl.)			Planting material (Nos.)		
5			6		
Target	Achievement	Distributed to no. of farmers	Target	Achievement	Distributed to no. of farmers
200.0	86.45		20000	24971	103

Work Done on Five Technology

Sr. No.	Name Of Technology	Activities			Impact		
		Training	Demonstration	OFT	Initial	Current	
1	Intercropping of pulses in Sugarcane for economic sustainability	02	14 5.6ha (Sugarcane + Green gram)	01 (2014-16)	5ha	22.8ha	• Rs 52000/ extra income • Raise in OC
2	Nutritional Garden	02	10	01 (2012-16	100 M2	200 M2	Rs. 1000 pm saving Improve health status
3	Increasing income through high yielding Cabbage production.	01	-	05	15 ha	50 ha	Increase income of Rs. 12000 ha
4	Supplementation of area specific mineral mixture & deworming of dairy animal	02	10	05	40	200	Decrease infertility rate and increase milk production
5	Use of Laser leveler	02	-	-	400 ha	800 ha	Saving energy as well as water

I.A TECHNOLOGY ASSESSMENT

Summary of technologies assessed under various crops by KVKs

Thematic areas	***Crop***	***Name of the technology assessed***	***No. of trials***	***No. of farmers***
Integrated Nutrient Management	Black Gram	Assessment of Nutritional requirement in Urd Crop	01	04
	Okra	Low yield due to yellow vain moisac virus in Okra.	01	05
	Paddy	Performance Assessment of aromatic paddy varieties	01	04
Integrated Pest Management				
Integrated Crop Management/ Cropping system				
Integrated Disease Management	Cauliflower	Loose head and low productivity of Cauliflower	01	05
	Cabbage	Low yield due loose head of Cabbage	01	05
	Okra	**E**ffective management of fruit borer in Okra	01	04
	Paddy	Effective management of Brown Plant Hopper in Paddy	01	05
Small Scale Income Generation Enterprises				
Weed Management				
Resource Conservation Technology				
	Whaet	**Grading of wheat for enhancement of sale price**	01	05
	Vegetable	Sale of Leafy vegetable in very low price	01	05
Farm Machineries				
Integrated Farming System				
Seed / Plant production				
Post Harvest Technology / Value addition				

Drudgery Reduction				
Others (Pl. specify) - Mal nutrition	Malnutrition	Assessment of SOY n PRO mixture on the nutritional health of children/ Pregnant women suffering from malnutrition	01	05
Total			**11**	**47**

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	Buffalo	Feeding of Mineral Mixture and deworming to increasing Milk production in buffuloes	01	30
Production and Management				
Others (Pl. specify)				
Total			**01**	**30**

Summary of technologies assessed under various enterprises by KVKs

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

I.B. TECHNOLOGY REFINEMENT

Summary of technologies refined under various crops by KVKs

Thematic areas	Crop	Name of the technology refined	No. of trials	No. of farmers
Integrated Nutrient Management				
Varietal Evaluation				
Integrated Pest Management				
Integrated Crop Management				
Integrated Disease Management				
Small Scale Income Generation Enterprises				
Weed Management				
Resource Conservation Technology				
Farm Machineries				
Total				

Summary of technologies refined under various livestock by KVKs

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

Summary of technologies refined under various enterprises by KVKs

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

I.C. TECHNOLOGY ASSESSMENT AND REFINEMENT IN DETAIL

INTEGRATED NUTRIENT MANAGEMENT

OFT 1- Title: ***Assessment of Nutritional requirement in Urd Crop (Black gram)***

Problem diagnosed: ***Low yield due to imbalance or no use of nutrient***

KVK, conducted on-farm trial to assessed the nutritional requirement in black gram because farmers of Gahziabad are growing black gram in sorghum – black gram – wheat cropping system without any use of nutrients or imbalance use. Therefore average yield of Distt. Ghaziabad is lesser than national average. Maximum Net return of Rs. 41530 was obtained under application of 25:50:25:20:25:1 N:P:K:S:Zn & B kg/ha while higher benefit in term of Rupees was with application of 20:40:20:20::N:P:K:S kg/ha.

Table Yield and yield attributes of Black Gram under different treatments

Technology Option	No .of trials	Yield (q/ha)	Pods/ Plants	No. of Seeds/ Plots
T1 : Farmer's Practice (25:60:0:N:P:K kg/ha)	*04*	10.6	35.5	4.6
*T2 : State level r*ecommended dose of fertilizer (20:40:20:20::N:P:K:S kg/ha)		12.7	38.6	5.0
T3 : Nutrient Expert based system (25:50:25:20:25:1 N:P:K:S:Zn & B kg/ha)		13.4	43.5	5.8

Economic Evaluation

Technology Option	Cost	Total Return	Net Return	B:C Ratio
T1 : Farmer's Practice (25:60:0:N:P:K/ha)	12500	44520	32020	2.6:1
*T2 : State level r*ecommended dose of fertilizer (20:40:20:20::N:P:K:S)	13350	53340	39810	2.9:1
T3 : Nutrient Expert based system (25:50:25:20:25:1N:P:K:S:Zn & B kg /ha)	14750	56280	41530	2.8:1

VARIETAL EVOLUTION

OFT 2- ***Title: Performance Assessment of aromatic paddy varieties***

Problem diagnosed: ***Low yield and high infestation of false smut disease***

Farmers of Ghaziabad are growing aromatic paddy variety PS-5 (2511) which is highly susceptible for false smut disease. KVK, conducted on-farm trial to assesses the performance of yield and disease incidence in aromatic paddy varieties. In trial less disease (3%), higher yield of 52.5 qtl/ha and net return of Rs. 102150 was obtained with var. PS-1612.

Table Yield and yield attributes of Aromatic paddy under different treatments

Technology Option	No .of trials	Yield (q/ha)	Disease incidence (%)	% Yield Increase	Farmer's Reaction
T1 : Farmer's Practice (PS-5 (2511)	*04*	48.2	8	-	-
T2 : Aromatic paddy var. PS-1612		52.5	3	8.92	Less disease was observed

Economic Evaluation

Technology Option	No .of trials	Cost	Total Return	Net Return	B:C Ratio
T1 : Farmer's Practice (PS-5 (2511)	*04*	38600	130500	91900	3.4:1
T2 : Aromatic paddy var. PS-1612		39100	141250	102150	3.6:1

INTEGRATED CROP MANAGEMENT

OFT :-3

Problem definition: *Loose head and low productivity of Cauliflower*

Technology Assessed: *Evaluation of high yielding variety of cauliflower*

*KVK, Muradnagar, Ghaziabad U.P. conducted on-farm trial to **assessed** evaluation of high yielding variety of cauliflower. The varietal demonstration of califlower a net return Rs. 1.46 lakh/ha.*

Table Performance of Califlower variety- Pusa Posija

Technology Option	*No. of trials*	*Yield (t/ha)*	*Net Returns (Rs. in lakh./ha)*
T1 Select low yielding variety and rough curd colour (Farmers Practice)	*05*	*191.45*	*0.98*
T2- High yielding and whitesh colour of curd variety- Pusa Posija (Recommended Practice-IARI)		*245.62*	*1.46*

OFT:- 4

Problem definition: *Low yield due loose head of Cabbage*

Technology Assessed: Compact and high *yielding variety of cabbage*

*KVK, Muradnagar, Ghaziabad U.P. conducted on-farm trial to **assessed** evaluation of high yielding variety of Cabbage . The varietal demonstration of Cabbage a net return Rs. 1.48 lakh/ha.*

Table Performance of** Cabbage **variety- S-92improved

Technology Option	*No. of trials*	*Yield (t/ha)*	*Net Returns (Rs. in lakh./ha)*
T1 Select low yielding variety and loose head variety (Farmers Practice) Golden acre	*05*	*240.65*	*1.02*
T2- High yielding and compact head variety- S-92 improved		*297.50*	*1.48*

MALNUTRITION

OFT:- 5 -

Title : Assessment of SOY n PRO mixture on the nutritional health of children/ Pregnant women suffering from malnutrition.

Problem definition: Malnutration (Protein calorie) among children 6-12 months

Technology Option	No. of trials	Anthropometric measurement • Weight • Mid arm circumference. • Chest circumference	Data on Parameters	Result on asssessment	Feedback from the children
Farmer Practice T1: Milk, Ghee and Cereals use of local food	*05*	-	Mal nourishment	Result awaited	

T 2: SOY 'N' PRO mixture, Milk, Ghee and Cereals		Increase Anthropometric measurement • Weight • Mid arm circumference. • Chest circumference	Average increase after 3 months 1.Weight 2. Mid arm circumference 3. Chest circumference	

PEST AND DISEASE MANAGEMENT

OFT :-6

Problem definition: *Heavy infestation of fruit borer in Okra in a yield loss of 20% and income loss of Rs.8000/ha*

Technology Assessed or Refined (as the case may be): E*ffective management of fruit borer in Okra*

Okra is an important commercial crop of vegetable. However, there is high infestation of fruit borer resulting in yield loss. The refined technology to control the insect is spray of spinosade@1.5/lt water@ time of the flowering & subsequent spray after 10 days + use of trico card @ 1 lacs egg/ha (Tricograma chlonis egg parasitoid) at the time pre flowering stage. The percentage of insect infestation from 13 to 6 and yield was increased by 20.00 per cent.

Table Effect of various treatments on management of fruit borer in Okra

Technology Option	*No. of trials*	*infestation from furit borer (%)*	*Yield (q/ha)*	*% Increase in yield over farmer's practice*
Monocrotophos @ 2.0 ml/lt. water (Farmer practice)	*04*	*13*	*135*	--
Spinosade @ 1.5/lt. water @ time of the flower & subsequent spray after 10 days		*6*	*162*	*20.00*
Trico card @ 1 lacs egg/ha (Tricograma chlonis egg parasitoid) at the time pre flowering stage.		*9*	*147*	*09.00*

OFT :-7

Problem definition: *Heavy infestation of Brown Plant Hopper causing 20 to 45 % of crop loss*

Technology Assessed (as the case may be): *Effective management of Brown Plant Hopper in Paddy*

Paddy is an important commercial crop of western U.P.. However, there is high infestation of Brown Plant Hopper in Paddy resulting in high yield loss. The technology to control the insect is spray of Imidacloprid 17.8SL @0.250 lit/ha *water @ time of the milking stage & subsequent spray after 10 days and spray of* Burofenzine @1 ml/liter of water was assessed. *The percentage of white ears was reduced through spray of* Burofenzine.

Table Effect of different insecticide on control of BPH

Technology Option	*No. of trials*	*White ears (%)*	*No.of BPH per plant*	*Yield (q/ha)*	*% Increase in yield over farmer's practice*
Farmer Practice (Imidacloprid 17.8SL @0.250 lit/ha)	*05*	*9*	*5*	*39.5*	--
Burofenzine 1 ml/liter of water		*6*	*3*	*43.2*	*9.40*

VARIETAL EVOLUTION

OFT :-8

Problem definition: *Low yield due to loose head of Cabbage.*
Technology Assessed: Assessment of *Compact and high yielding variety of cabbage*

KVK conducted on farm trial for refinement of *Compact and high yielding variety* ***of*** Cabbage.
Table Compact and high yielding variety assessment and Cabbage.

Technology Option	*No.of trials*	*Yield (t/ha)*	*Increase in yield(%)*	*Net Returns (Rs./ha)*	*BC Ratio*
T1- Select low yielding and loose head variety (Farmer`s Practice) Varity Golden Acre	*05*	***260.2***	***-***	***82500.0***	***1.80:1***
T2- Compact and high yielding variety S – 92 (Recommended Practice)		***295.8***	***13.7***	***96450.0***	***2.20:1***

VARIETAL EVOLUTION

OFT:- 9

Problem definition: *Low yield due to yellow vain moisac virus in Okra.*

Technology Assessed: *Assessment of resistant and high yielding variety of Okra*

KVK conducted on farm trial for assessment of *Resistant and high yielding variety of Okra .*

Table Effect of YVMV in Okra.

Technology Option	*No.of trials*	*Yield (t/ha)*	*Increase in yield(%)*	*Net Returns (Rs./ha)*	*BC Ratio*
T1- Select of local variety/unknwon (Farmer`s Practice) Varity Pusa Sawani	*05*	***112.5***	***-***	***51800***	***2.1:1***
T2- YVMV Resistant and high yielding variety (Recommended Practice) VRO 6		***135.6***	***20.53***	***73300***	***2.7:1***

RESOURCE CONSERVATION

OFT :-10

Problem definition: *Lack of grading in wheat*

Technology Refined : Grading of wheat for enhancement of sale price

The KVKs Ghaziabad U.P. conducted OFT on cleaning and grading by sacking time manual grader it enhanced the price of wheat from 1700/q to 2000/q. The total profit by grading enhanced up to 13%

Table Effect of fertigation on yield and income of tomato

Technology Option	*No.of trials*	Grain Classification (q)		*Additional income (Rs.)*	*BC Ratio*
		Graded grain	Remaining grain		
T1 Grading of Wheat by manual Grader	*05*	*23*	*17*	*8400*	*1.15:1*
T2 Farmers practices (Without grading)		*40*		-	-

OFT :-11

Problem definition: *Sale of Leafy vegetable in very low price*

Technology Refined : *Dehydration of spinach for off season conservation*

The KVKs Ghaziabad U.P. conducted OFT on cleaning and grading by sacking time manual grader it enhanced the price of wheat from 1700/q to 2000/q. The total profit by grading enhanced up to 13%

Table Effect of fertigation on yield and income of tomato

Technology Option	*No.of trials*	*Area*	*Green yield (kg)*	*Dehydrated yield (kg)*	*Income generated (Rs.)*	*BC Ratio*
T1 Blanching of spinach in boiling water	*05*	*10*	*20*	*2*	*400*	*2:1*
T2 Green Spinach (Farmers practice)		*10*	*20*	*2*	*200*	

LIVE STOCK ENTERPRISES

OFT :-12

Problem definition: Feeding of Mineral Mixture and deworming to increasing Milk production in buffuloes

Problem Assessed :- Low milk yield production.

Technology Assessed: Improvement of milk production on buffaloes KVK, Muradnagar Ghaziabad conducted trial to find out the effective the income.

Table- Effect of micro-nutrients and wormicide

Technology option	No, of Trials	Production per unit	Lactation period in days (Avg.)	Net return (profit) in Rs/unit
T-1 Farmer Practice (Cholk)	30	7.0 liter/day	180	7770.00*
T-2 Farmer practice + Mineral Mix & deworming		8.3 liter/day	210	9135.00

*Milk Rate 45 Rs/liter

II. FRONTLINE DEMONSTRATION

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

List of technologies demonstrated during previous year and popularized during 2017-18 and recommended for large scale adoption in the district

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S. No	Crop/ Enterprise	Thematic Area*	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
					No. of villages	No. of farmers	Area in ha
Crop production							
1	Black gram	ICM	Improved variety seed var. PU-31 & Balance nutrient management	Demonstration, training, OFT & literature	10	46	22.4
2	Mustard	ICM	Improved variety seed RSH 749 & Giriraj + Sulphur application@ 25 Kg/ha.	Demonstration, training & literature	14	168	48.0
3	Pigeon pea	ICM	Improved variety seed vr. Pusa-991	Demonstration, training & literature	03	28	15.0
4.	Paddy	Weed management & Variety	Weed control through Weedicide i.e. Bispyriback Sodium & variety PS-1612 & PB-1509	Demonstration, training, OFT & literature	42	318	121.0
5	Sugarcane	Cropping system	Intercropping of vegetable & pulses in tranch planted sugarcane	Training, OFT & literature	12	38	52.0
6.	Wheat	Weed management	Weedicide Sulphosulphuron @ 34 g/ha.	Training & literature	18	204	180.0
7.	Wheat	INM	Balance fertilization @ 150:60:40:25:20 kg N:P:K:Zn:S/ha.	Demonstration, training	06	30	22.0
8	Wheat	RCT	Sowing through Zero till-ferti seed drill	Method demonstration, training	10	25	50.0
9	Vermi composting	Production and use of organic inputs	Vermi Compost production Technology	Method demonstration & Training	04	10	10 Units
Horticulture							
1	Red Cabbage	Varietals Performance	High yielding variety	Demonstration, training	02	05	0.5
2	Cauliflower	INM	Balance use of fertilizer	Demonstration, training	04	10	2.0
3	Chrysanthemum	Varietals Performance	High yielding variety	Demonstration, training	03	05	1.0
4	Bottle guard	Varietals Performance	High yielding variety	Demonstration, training	02	05	1.0

Live Stock Production							
12.	Barseem	Feed & fodder management	New improved variety- BL 10	Demonstration, Training	03	10	1.0
13.	Oat	Feed & fodder management	New improved vaeity-Kent	Demonstration, Training	04	10	1.0
15.	Dairy	Livestock management	Feeding of mineral mixture @ 50 g/day/animal+Dewormer	Method demonstration & Literature	03	15	-
16.	Dairy	Livestock management	Urea treatment with Paddy/Wheat Straw	Method demonstration & Literature	04	20	-
14.	Kitchen Garden	House hold food security	Improved variety seed of vegetable	Muft demonstration	10	20	0.8
Plant Protection							
9	Paddy (control of stem borer)	IPM	Application of cartaf hydrochloride @ 18kg/ha + Tricocard @ 5 cards/acre	Method demonstration & Literature	05	25	10.0
10	Wheat (Yellow rust control)	IDM	Seed treatment through vitavax 75 WP@ 3g/kg seeds+ Spray of Tabuconazole 0.1%	Method demonstration & Literature	04	10	4.0
Farm Implements							
	Paddy	Resource conservation technology	Spraying of Insecticides by power sprayer	Method demonstration & Literature	07	20	8.0
	Potato	Resource conservation technology	Potato planter	Method demonstration & Literature	02	05	2.0
	Wheat	Resource conservation technology	Seed drill/ Zero till ferti-seed drill	Method demonstration & Literature	05	15	5.0

b. Details of FLDs implemented during 2017-18 (Information is to be furnished in the following)

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1.	Pigeon pea	ICM	Improved variety seed variety Pusa -991	Kharif 2017	10	5.0	3	11	14	Late sanction
2.	Black gram	ICM	Improved variety seed variety PU-31+ Insecticide i.e. Thiomaxon	Kharif 2017	10.0	10.0	4	21	25	No
3.	Paddy (IARI sponsored)	Improved variety	Improved variety seed var. PB-1121 & PB-6	Kharif 2017	2.4	2.4	0	6	6	No
4.	Paddy	Weed management	Weed control through Bispyribsck sodium @250 ml/ha	Kharif 2017	4.0	4.0	02	08	10	No
5.	Vermi composting	Prod. and use of organic inputs	Vermi Compost production Technology	Kharif 2017	10	10	02	08	10	No
6.	Wheat (IARI sponsored)	Improved variety	HD- 2967and HD- 3086	Rabif-2017-18	3.2	3.2	0	8	8	No
7	Wheat	INM	Nutrient management through Water Soluble NPK(19:19:19)+Zn+S	Rabif-2017-18	4.0	4.0	4	6	10	No
Horticulture										
3	Red Cabbage	Varietals Performance	High yielding variety	Rabi 2017-18	1.0	0.5	-	05	05	Lack of Budget
4	Cauliflower	INM	Balance use of fertilizer	Kharif 2017	2.0	2.0	01	09	10	NA
5	Chrysanthemum	Varietals Performance	High yielding variety	Kharif 2017	1.0	1.0	01	04	05	NA
6	Bottle guard	Varietals Performance	High yielding variety	Zaid 2018	1.0	1.0	02	03	05	NA
Live Stock Production										
12	Barseem	Feed & fodder management	New improved variety- BL 10	Rabi 2017-18	1.0	1.0	08	02	10	No
13	Oat	Feed & fodder management	New improved vaeity-Kent	Rabi 2017-18	1.0	1.0	06	04	10	No
14	Dairy	Livestock management	Feeding of mineral mixture @ 50 g/day/animal+Dewormer	Rabi 2017-18	20 Animal	15 Animal	05	10	15	Lack of Budget
15	Dairy	Livestock management	Urea treatment with Paddy/Wheat Straw	Zaid- 2017	20 Animal	20 Animal	15	05	20	No
Home Science										
16	Kitchen Garden	House Hold food security	Improved variety seed	Kharif-2017	0.02	0.02	-	06	06	No
17	Kitchen	House Hold	Improved variety seed	Rabi-2017-	0.02	0.02	-	06	06	No

	Garden	food security		18						
Plant Protection										
9	Paddy (control of stem borer)	IPM	Application of cartaf hydrochloride @ 18kg/ha + Tricocard @ 5 cards/acre	Kharif 2017	10	10	05	20	25	No
10	Wheat (Yellow rust control)	IDM	Seed treatment through vitavax 75 WP@ 3g/kg seeds+ Spray of Tabuconazole 0.1%	Rabi-2017-18	4	10	02	08	10	No
Farm Implements										
	Paddy	RCT	Spraying of Insecticides by power sprayer	Kharif 2017	5	5	03	17	20	No
	Potato	RCT	Potato planter	Rabi-2017-18	2	2	01	04	05	No
	Wheat	RCT	Seed drill/ Zero till ferti-seed drill	Rabi-2017-18	8	8	01	04	05	No

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					
1.	Pigeon pea	Kharif 2017	Irrigated	Sandy Loam	L-M	L-M	M	Wheat	24-28.06.17	07-12.11.17	465	35
2	Black gram	Kharif 2017	Irrigated	Sandy Loam	L-M	L-M	M	Sorghum	04-15.08.17	25-30.10.17	345	21
3.	Paddy (IARI)	Kharif 2017	Irrigated	Loam	M	M	M	Green gram/GM	17-25.06.17	25-30.10.17	465	35
4	Paddy	Kharif 2017	Irrigated	Loam	L-M	L-M	M	Green gram/GM	12-20.06.17	25-30.10.17	465	35
5	Wheat (IARI)	Rabi 2017-18	Irrigated	Loam	L-M	L-M	M	Paddy	17-28.11.17	18-22.04.18	80	10
6.	Wheat	Rabi 2017-18	Irrigated	Loam	L	M	M	Paddy	18-30.11.17	16-23.04.18	80	10
Horticulture												
3	Red Cabbage	Rabi 2017-18	Irrigated	Loam	L	L	M	Cucumber	02-10.11.2017	20-30.01.2018	60	02
4	Caulifl	Kharif	Irrigated	Sandy	L	L	M	Okra	01-	01-	480	36

	ower	2017		Loam					15.07.2017	15.11.2017		
5	Chrysanthemum	Kharif 2017	Irrigated	Sandy Loam	L	L	M	Cucumber	01-12.07-2017	01 Nov to 12 Dec, 2017	480	36
6	Bottle guard	Zaid 2018	Irrigated	Loam	L	L	M	Potato	25 Feb, 07 to March 2018	Awaited	20	02
Live Stock Production												
13.	Barseem	Rabi 2017-18	Irrigated	Sandy Loam	M	M	L	Paddy	08-11-17	04-12-2017 (5 cutting after this date)	30	05
14.	Oat	Rabi 2017-18	Irrigated	Sandy Loam	M	M	L	Paddy	09-11-17	15-12-17 & 20-01-18	40	07
15	Dairy	Rabi 2017-18	Irrigated	Sandy Loam	M	M	L	-	15-12-17	-	30	05
16	Dairy	Zaid- 2017	Irrigated	Sandy Loam	M	M	L	-	08.11.17	-	30	05
Plant Protection												
17	Paddy (control of stem borer)	Kharif 2017	Irrigated	Sandy Loam	M	M	L	Jawar	08-07-17	05-11-17	600	17
18	Wheat (Yellow rust control)	Rabi-2017-18	Irrigated	Sandy Loam	M	M	L	Sugarcane	29-11-17	-	30	2
Farm Implements												
19	Paddy	Kharif 2017	Irrigated	Sandy Loam	M	M	L	Jawar	07.07.17	29.10.17	600	17
20	Potato	Rabi-2017-18	Irrigated	Sandy Loam	M	M	L	Paddy	25.09.17	27.01.18	80	10
21	Wheat	Rabi-2017-18	Irrigated	Sandy Loam	M	M	L	Padyy	26.11.17	18.04.18	30	12

Technical Feedback on the demonstrated technologies

S. No	Crop	Feed Back
1.	Pigeon pea	Variety Pusa 991 take less time for maturity and no infestation of wilt diesases.
2	Black gram	Variety PU 31 is resisitant against yellow mosaic virus and suited in crop roation after sorghum harvest.
3.	Paddy (IARI)	Variety PB 1121 seed was better for Folish Seedling Dieases as compare to local seed of same vairety. Variety PB-6 has no incidence BLB in comperision to PB-1.
4	Paddy	Wheat control through Bispyribsck sodium @250 ml/ha has good result even under less mositure condition.
5	Wheat (IARI)	No attack of Yellow Rust and Karnal Bunt was observed in variety HD-3086 and HD-2967
6.	Wheat	Water soluable NPK resulted give higher yield and bold grain
Horticulture		
3	Red Cabbage	Compact and high yielding variety
4	Cauliflower	White and compact head
5	Chrysanthemum	Attractive and high marketable demand
6	Bottle guard	High yielding variety
Plant Protection		
7	Paddy (control of stem borer)	Infestation of stem borer in paddy can be control through bio-control and it good for environment.
8	Wheat (Yellow rust control)	Yellow rust incidence in wheat can be minimized through seed treatment as well as folier application of fungicide even in susceptible varieties.
Home Science		
9	Kitchen Garden	Available seasonal fresh vegetable through out the year and yield will be increased upto 20%
Farm Implements		
10	Paddy	Use of power sprayer spray uniform throughout the field therefore the control of insect was much higher than manual sprayer
11	Potato	Use of planter saved labour as well as time
12	Wheat	Line sowing gives higher yields as well as good quality of grain
Live Stock Production		
13	Barseem	Use of braseem to increase milk production and health of animal and it reduced concentrate feed of animal
14	Oat	Use of oat to increase milk production and health of animal and it content carbohydrate and protein to reduce the balance diet of animal.
15	Dairy	It is used to help for increase milk production and improve the fertility of animals and health
16	Dairy (Urea with Wheat/Paddy Straw)	The fodder straw are improve protein percentage but fodder are dry. Farmers not adopted the urea treated paddy straw due to diarrhea. They are not used continue regularly.

Farmers' reactions on specific technologies

S. No		Feed Back
1.	Pigeon pea	Pigeon pea var. pusa 991 early maturity and no diesese occurance.
2	Black gram	Black Gram var. PU 31 has no yellow mosaic virus.
3.	Paddy (IARI)	Paddy var. PB-6 is better than PB-1.
4	Paddy	Wheat control through Bispyribsck sodium @250 ml/ha has good result even under less mositure condition.
5	Wheat (IARI)	Var. HD-3086 observed higher yield than HD-2967
6.	Wheat	Water soluable NPK can be use in place of urea.
Horticulture		
7	Red Cabbage	High demand of Red cabbage in the market of Ghazipur Delhi.
8	Cauliflower	White and compact curd for use of Boron
9	Chrysanthemum	Large and attractive flower variety of White star and gold star
10	Bottle guard	Result awaited.
Plant Protection		
11	Paddy (control of stem borer)	Bio-control agent i.e. tricocards availability is limiting factors for control of stem borer in paddy
12	Wheat (Yellow rust control)	Vary good result of seed treatment was observed but folier application is difficult due to lack labour availability.
Home Science		
13	Kitchen Garden	80% farmers are interested in growing nutrition garden
Farm Implements		
14	Paddy	Farmers are very eager to purchase power sprayer because its results was very good
15	Potato	Farmers are using Potato Planter on hiring basis to save labour cost
16	Wheat	Seed Drill is a perfect machine for sowing of wheat and other crops.
Live Stock Production		
17	Barseem	Farmer like barseem fodder compare to other fodder because they content high nutritive value
18	Oat	Farmer like barseem fodder compare to other fodder because they content more palpable.
19	Dairy	To improve the health and milk production
20	Dairy (Urea with Wheat/Paddy Straw)	Farmers not adopted the urea treated paddy straw due to diarrhea. They are not used continue regularly.

Extension and Training activities under FLD

Agronomy

Sl.No.	Activity	No. of activities organized	Date	Number of participants	Remarks
1	Field days	02	21-10-2017 and 24-10-2017,	60	-
2	Farmers Training	02	05-07-2017 and 12-07-2017	42	-
3	Training for extension functionaries	01	06-08-2017	15	

Plant Protection

Sl.No.	Activity	No. of activities organized	Date	Number of participants	Remarks
1	Field days	02	21-09-2017 and 25-09-2017,	60	-
2	Farmers Training	02	05-07-2017 and 12-07-2017	40	-
3	Training for extension functionaries	01	04-08-2017	15	

Horticulture

Sl.No.	Activity	No. of activities organized	Date	Number of participants	Remarks
1	Field days	01	21-09-2017 and 25-09-2017,	60	-
2	Farmers Training	02	05-07-2017 and 12-07-2017	40	-
3	Training for extension functionaries	01	04-08-2017	15	

Home Science

Sl.No.	Activity	No. of activities organized	Date	Number of participants	Remarks
1	Field days	-		-	-
2	Farmers Training	03	26-06-2017, 10-10-2017 & 25-11-2017	60	-
3	Training for extension functionaries	01	21-01-2018	15	-

Farm Implements

Sl.No.	Activity	No. of activities organized	Date	Number of participants	Remarks
1	Field days	03	04.10.17, 11.10.17 & 13.10.17	97	-
2	Farmers Training	02	12.05.17 & 10.06.17	40	-
3	Training for extension functionaries	01	15.06.17	15	-

Live Stock Production

Sl.No.	Activity	No. of activities organized	Date	Number of participants	Remarks
1	Field days	03	02.12.17, 10.12.17 & 13.02.18	68	-
2	Farmers Training	01	15-01-2017	20	-
3	Training for extension functionaries	01	20.02.18	15	-

Performance of Frontline demonstrations

Frontline demonstrations on oilseed crops

Crop	Thematic Area	technology demonstrated	Variety	No. of Farmers	Area (ha)	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
						Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
						High	Low	Average										
Groundnut																		
Sesamum																		
Mustard																		
Toria																		
Linseed																		
Sunflower																		
Soybean																		

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

Frontline demonstration on pulse crops

Crop	Thematic Area	technology demonstrated	Variety	No. of Farmers	Area (ha)	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
						Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
						High	Low	Average										
Agronomy																		
Pigeon Pea	ICM	Improved variety- Pusa 991	Pusa 991	14	5.0	11.8	8.0	10.5	9.5	10.5	18800	68500	49700	3.6:1	17950	62200	42250	3.5:1
Blackgram	ICM	Improved variety- PU-31 +Insecticide for podborer Thiomaxon	PU-31	25	10.0	14.8	11.5	13.2	11.5	14.8	13600	55440	41840	4.1:1	12100	48300	36200	4.0:1
Greengram																		
Chickpea																		
Fieldpea																		
Lentil (NFSM)																		
Horsegram																		

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

Note:- Saling price of Pigeon Pea, Black gram & -Rs. 7200, 6000 & 6000/q

FLD on Other crops

Category & Crop	Thematic Area	Name of the technology	No. of Farmers	Area (ha)	Yield (q/ha)				% Change in Yield	Other Parameters		Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
					Demo			Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
					High	Low	Average												
Cereals																			
Plant Protection																			
Paddy	IPM	Stem borer control through Cartaf hydro chloride +trico-card	28	10.0	46.6	42.16	44.38	37.32	16	4 dead heard/m2	7 dead heard/ m2	16000	97636	81636	5.16:1	14200	82104	67904	4.7:1
Wheat	IPM	Seed treatment through vitavax 75 WP@ 3g/kg seeds+ Spray of Tabuconazole 0.1%	10	4.0	44.8	35.68	40.24	27.96	30.51	03 leafs/plant	7.5 leafs afected/plant	28850	71906	43056.10	1.49:1	24590	49339.40	24759.4	1:1.09
Agronomy																			
Paddy (IARI)	Varietal	Improved variety Seed var. PB-1121	4	1.6	49.5	44.2	46.7	42.4	10.1	14 tillers/ meter	12 tillers/ meter	39600	1494440	109840	3.8:1	39100	133680	96580	3.5:1
Paddy (IARI)	Varietal	Improved variety Seed var. PB-6	2	0.8	46.5	41.8	44.0	41.8	5.3	No BLB	6% BLB	39600	132000	92400	3.3:1	39100	125400	86300	3.2:1
Paddy	Weed Management	Weed control through Bispyribsck sodium @250 ml/ha	10	4.0	46.2	41.5	47.8	41.0	9.3	No. of weeds/ m^{2}-08	No. of weeds/ m^{2}-23	39600	143360	103760	3.6:1	38900	131200	92300	3.4:1
Wheat (IARI)	Varietal	HD- 2967	4	1.6	45.8	42.2	43.8	39.5	10.7	No. of ear/ m^{2}-146	No. of ear/ m^{2}—132	36981	84357	47376	2.3:1	35431	76040	40619	2.2:1
Wheat (IARI)	Varietal	HD- 3086	4	1.6	46.5	42.8	44.5	39.5	12.4	No. of ear/ m^{2}-152	No. of ear/ m^{2}—132	36981	85995	49016	2.4:1	35421	76040	40619	2.2:1
Wheat	INM	Nutrient management through Water Soluble NPK(19:19:19)+Zn+S	10	4.0	46.2	42.6	44.5	39.5	12.2	Test wt- 48 gram	Test wt- 44 gram	36500	85995	49516	2.5:1	35421	76040	40619	2.2:1
Wheat Timely sown																			
Wheat Late Sown																			
Mandua																			
Barley																			
Maize																			

Amaranth																		
Millets																		
Jowar																		
Bajra																		
Barnyard millet																		
Finger millet																		
Vegetables																		
Red Cabbage	Varital performance	High yielding variety- Premarrow	05	5.0	234.6	218.6	226.6	197.5	14.73	Attractive colour and high yielding variety	Rough and low yielding variety	68600	271920	203320	3.9:1	58500	217250	158750	3.7:1
Cauliflower	Micro nutrient	Balance fertilizer (Boron)	10	2.00	255.5	222	245.75	207	10.3	White color curd	Bronise	45800	172525	12543	3.4:1	39600	131800	85500	3.01:1
Bottle guard	Varital Evaluation	High yielding variety – Pusa Sandesh	05	1.0	Result awailted														
Spongegourd																		
Petha																		
Tomato																		
Frenchbean																		
Capsicum																		
Chilli																		
Brinjal																		

Vegetable																			
Softgourd																			
Okra																			
Colocasia (Arvi)																			
Broccoli																			
Cucumber																			
Onion																			
Coriender																			
Lettuce																			
Cabbage																			
Elephant fruit																			
Flower crops																			
Chrysanthemum	Varietal Performance	Improved var. White star/Yellow star	05	0.50	187500 (No. Of Flower)	152000 (No. Of Flower)	169750 (No. Of Flower)	147200 (No. Of Flower)	15.31	Attractive large medium size	Small size	62500	254625	192125	4:1	58600	206080	147480	3.5:1
Bela																			
Tuberose																			
Gladiolus																			
Fruit crops																			
Mango																			
Strawberry																			
Guava																			

Banana																			
Papaya																			
Muskmelon																			
Watermelon																			
Spices & condiments																			
Ginger																			
Garlic																			
Turmeric																			
Commercial Crops																			
Medicinal & aromatic plants																			
Mentholment																			
Kalmegh																			
Ashwagandha																			
Fodder Crops																			
Sorghum (F)																			
Cowpea (F)																			
Maize (F)																			
Lucern																			
Berseem	Varietal Evalution	Improved var. Seed-BL-10	10	1.0	880	800	825	620	33.06	07 Cutting	04 Cutting	-	-	-	-	-	-	-	
Oat (F)	Varietal Evalution	Improved var. Seed-Kent	10	1.0	470	435	452.5	345	31.11	02 Cutting	01 Cutting	-	-	-	-	--	-	-	-

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

FLD on Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No.of Units (Animal/ Poultry/ Birds, etc)	Major parameters		% change in major parameter	Other parameter		Economics of demonstration (Rs.)				Economics of check (Rs.)			
					Demo	Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Cattle																	
Buffalo								Additional milk yield l/day									
	Diseases management	Use of Mineral Mixture	15	15 (animal)	10	06	200	12	9	57750	74500	16780	1.29:1	51350	65400	14050	1.27:1
Buffalo Calf																	
								-	-	-	-	-	-	-	-	-	-
Dairy																	
Poultry																	
Sheep & Goat																	
Vaccination					Diseases occurrence												
	Diseases management	H.S. + F.M.D. vaccination	415	572	Nil	10	-	-	-	-	-	-	-	-	-	-	-

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST
Note- Rs. 170.00 were spend for one animal on Fodder, Concentrate & Lobour and Rs. 10.00 for mineral mixture & dewormer.
Lactation period – Seven month, Milk cost- Rs. 30/litre Cow dung- Rs. 2000/animal

FLD on Fisheries

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		Economics of demonstration (Rs.)				Economics of check (Rs.)			
					Demons Ration	Check		Demons ration	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Common Carps																	
Composite fish culture																	
Feed Management																	

FLD on Other enterprises

Category	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		Economics of demonstration (Rs.) or Rs./unit				Economics of check (Rs.) or Rs./unit			
				Demo	Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Oyster Mushroom																
Button Mushroom																
Apiculture																
Maize Sheller																
Value Addition																

FLD on Women Empowerment

Category	Name of technology	No. of demonstrations	Name of observations	Demonstration	Check

FLD on Farm Implements and Machinery

Name of the implement	Crop	Technology demonstrated	No. of Farmer	Area (ha)	Major parameters	Filed observation (output/man hour)		% change in major parameter	Labor reduction (man days)				Cost reduction (Rs./ha or Rs./Unit etc.)			
						Demo	Check		Land preparation	Sowing	Weeding	Total	Land preparation	Labour	Irrigation	Total
Power Sprayer	Paddy	Spraying of insectisides	20	8.0	Machine efficiency	2 hr	16 hr	1000	3.	-	8	11	1200	3200	-	4200.0
Zero till ferti-seed Drill	Wheat	Sowing under zero till con.	05	5.0	Machine efficiency	36 q	30 q	12.5	5	2	-	7	2000	1400.0	-	3400.0
Potato planter	Potato	Sowing through planter	05	5.0	Machine efficiency	16 hr	85 hr	430	-	10	5	15	-	4000.0	-	4000.0

FLD on Other Enterprise: Kitchen Gardening

Category and Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of Units Area (ha)	Yield (Kg)		% change in yield	Other parameters		Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Kitchen Garden Kharif 2011	Household food security	Improved variety seed with scientific technology	10	0.02	145.0	-	-	-	-	450	2400	1950	5.3	320	900	580	2.8
Kitchen Garden Rabi 2017-18	Household food security	Improved variety seed with scientific technology	10	0.02	130.0	-	-	-	-	500	2800	2300	5.6	400	1800	1400	4.5

FLD on Demonstration details on crop hybrids (*Details of Hybrid FLDs implemented during 2016-17)*

Crop	technology demonstrated	Hybrid Variety	No. of Farmers	Area (ha)	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)			
					Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)
					High	Low	Average						
Oilseed crop													
Pulse crop													
Cereal crop													
Vegetable crop													
Fruit crop													
Other (specify)													

Note : Remove the Enterprises/crops which have not been shown

III. Training Programme

Farmers' Training including sponsored training programmes (on campus)

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Weed Management	01	17	0	17	01	0	01	18	0	18
Resource Conservation Technologies										
Cropping Systems										
Crop Diversification										
Integrated Farming										
Micro Irrigation/irrigation										
Seed production										
Nursery management										
Integrated Crop Management	02	25	08	33	06	0	06	31	8	39
Soil & water conservatioin										
Integrated nutrient management	02	32	0	32	05	0	05	37	0	37
Production of organic inputs										
Others (pl specify)										
Total	**05**	**74**	**08**	**82**	**12**	**0**	**12**	**86**	**08**	**94**
II Horticulture										
a) Vegetable Crops										
Production of low value and high valume crops										
Off-season vegetables										
Nursery raising	01	16	0	16	4	0	4	20	0	20
Exotic vegetables	01	17	0	17	3	0	3	20	0	20
Export potential vegetables										
Grading and standardization										
Protective cultivation										
Others (pl specify)										
Total (a)	**02**	**33**	**0**	**33**	**07**	**0**	**07**	**40**	**0**	**40**
b) Fruits										
Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit										
Management of young plants/orchards										
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques										
Others (pl specify)										
Total (b)										
c) Ornamental Plants										
Nursery Management										
Management of potted plants										
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants										
Others (Cultivation technique of Marigold)	01	10	0	10	10	0	10	20	0	20
Total (c)	**01**	**10**	**0**	**10**	**10**	**0**	**10**	**20**	**0**	**20**
d) Plantation crops										
Production and Management technology										
Processing and value addition										
Others (pl specify)										
Total (d)										
e) Tuber crops										
Production and Management technology										
Processing and value addition										
Others (pl specify)										
Total (e)										
f) Spices										
Production and Management technology										
Processing and value addition										
Others (pl specify)										

Total (f)										
g) Medicinal and Aromatic Plants										
Nursery management										
Production and management technology										
Post harvest technology and value addition										
Others (Introduce of Medicinal and Aromatic Plants)	01	15	0	15	05	0	05	20	0	20
Total (g)	**01**	**15**	**0**	**15**	**05**	**0**	**05**	**20**	**0**	**20**
GT (a-g)	**04**	**58**	**0**	**58**	**22**	**0**	**22**	**80**	**0**	**80**
III Soil Health and Fertility Management										
Soil fertility management										
Integrated water management										
Integrated Nutrient Management										
Production and use of organic inputs										
Management of Problematic soils										
Micro nutrient deficiency in crops										
Nutrient Use Efficiency										
Balance use of fertilizers										
Soil and Water Testing										
Others (pl specify)										
Total										
IV Livestock Production and Management										
Dairy Management	01	18	0	18	02	0	02	20	0	20
Poultry Management										
Piggery Management										
Rabbit Management										
Animal Nutrition Management	01	18	0	18	02	0	02	20	0	20
Disease Management	01	18	0	18	02	0	02	20	0	20
Feed & fodder technology	01	18	0	18	02	0	02	20	0	20
Production of quality animal products										
Others (pl specify)										
Total	**04**	**72**	**0**	**72**	**08**	**0**	**08**	**80**	**0**	**80**
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	01	0	20	20	0	0	0	0	20	20
Design and development of low/minimum cost diet	01	0	16	16	0	4	4	0	20	20
Designing and development for high nutrient efficiency diet										
Minimization of nutrient loss in processing										
Processing and cooking										
Gender mainstreaming through SHGs										
Storage loss minimization techniques	01	0	17	17	0	03	03	0	20	20
Value addition	01	0	18	18	0	02	02	0	20	20
Women empowerment										
Location specific drudgery reduction technologies										
Rural Crafts										
Women and child care										
Others (pl specify)										
Total	**04**	**0**	**71**	**71**	**0**	**09**	**09**	**0**	**80**	**80**
VI Agril. Engineering										
Farm Machinary and its maintenance	1	15		15	5		5	20	0	20
Installation and maintenance of micro irrigation systems	1	14		14	6		6	20	0	20
Use of Plastics in farming practices	1	16		16	4		4	20	0	20
Production of small tools and implements				0			0	0	0	0
Repair and maintenance of farm machinery and implements	1	15		15	5		5	20	0	20
Small scale processing and value addition	1	14		14	6		6	20	0	20
Post Harvest Technology				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total	**5**	**74**	**0**	**74**	**26**	**0**	**26**	**100**	**0**	**100**
VII Plant Protection										
Integrated Pest Management	2	32		32	8		8	40	0	40
Integrated Disease Management	1	15		15	5		5	20	0	20
Bio-control of pests and diseases	1	14		14	6		6	20	0	20
Production of bio control agents and bio				0			0	0	0	0

pesticides										
Others (pl specify)				0			0	0	0	0
Total	**4**	**61**	**0**	**61**	**19**	**0**	**19**	**80**	**0**	**80**
VIII Fisheries										
Integrated fish farming										
Carp breeding and hatchery management										
Carp fry and fingerling rearing										
Composite fish culture										
Hatchery management and culture of freshwater prawn										
Breeding and culture of ornamental fishes										
Portable plastic carp hatchery										
Pen culture of fish and prawn										
Shrimp farming										
Edible oyster farming										
Pearl culture										
Fish processing and value addition										
Others (pl specify)										
Total										
IX Production of Inputs at site										
Seed Production										
Planting material production										
Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production										
Organic manures production										
Production of fry and fingerlings										
Production of Bee-colonies and wax sheets										
Small tools and implements										
Production of livestock feed and fodder										
Production of Fish feed										
Mushroom Production										
Apiculture										
Others (pl specify)										
Total										
X Capacity Building and Group Dynamics										
Leadership development										
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
WTO and IPR issues										
Others (pl specify)										
Total										
XI Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (pl specify)										
Total										
GRAND TOTAL	**22**	**339**	**8**	**347**	**87**	**0**	**87**	**426**	**8**	**434**

Farmers' Training including sponsored training programmes (off campus)

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Weed Management	01	20	0	20	0	0	0	20	0	20
Resource Conservation Technologies	01	16	0	16	04	0	04	20	0	20
Cropping Systems										
Crop Diversification	02	35	0	35	04	0	04	39	0	39
Integrated Farming										
Micro Irrigation/irrigation										
Seed production										
Nursery management	01	16	0	16	0	1	01	17	0	17

Integrated Crop Management										
Soil & water conservatioin	01	18	0	18	0	0	0	18	0	18
Integrated nutrient management	01	16	0	16	03	0	03	19	0	19
Production of organic inputs										
Others (pl specify)										
Total	**07**	**121**	**0**	**121**	**12**	**0**	**12**	**133**	**0**	**133**
II Horticulture										
a) Vegetable Crops										
Production of low value and high valume crops										
Off-season vegetables	01	20	0	20	0	0	0	20	0	20
Nursery raising										
Exotic vegetables										
Export potential vegetables										
Grading and standardization	01	18	0	18	2	0	2	20	0	20
Protective cultivation										
Others (INM in Cole Crops)	01	17	0	17	3	0	3	20	0	20
Total (a)	**03**	**55**	**0**	**55**	**05**	**0**	**05**	**60**	**0**	**60**
b) Fruits										
Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit										
Management of young plants/orchards										
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques										
Others (pl specify)										
Total (b)										
c) Ornamental Plants										
Nursery Management	01	17	0	17	03	0	03	20	0	20
Management of potted plants										
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants										
Others (pl specify)										
Total (c)	**01**	**17**	**0**	**17**	**03**	**0**	**03**	**20**	**0**	**20**
d) Plantation crops										
Production and Management technology										
Processing and value addition										
Others (pl specify)										
Total (d)										
e) Tuber crops										
Production and Management technology										
Processing and value addition										
Others (pl specify)										
Total (e)										
f) Spices										
Production and Management technology										
Processing and value addition										
Others (pl specify)										
Total (f)										
g) Medicinal and Aromatic Plants										
Nursery management										
Production and management technology										
Post harvest technology and value addition										
Others (pl specify)										
Total (g)										
GT (a-g)	**04**	**72**	**0**	**72**	**08**	**0**	**08**	**80**	**0**	**80**
III Soil Health and Fertility Management										
Soil fertility management										
Integrated water management										
Integrated Nutrient Management										
Production and use of organic inputs										
Management of Problematic soils										
Micro nutrient deficiency in crops										
Nutrient Use Efficiency										
Balance use of fertilizers										
Soil and Water Testing										

Others (pl specify)										
Total										
IV Livestock Production and Management										
Dairy Management	01	15	0	15	05	0	05	20	0	20
Poultry Management										
Piggery Management										
Rabbit Management										
Animal Nutrition Management	02	30	0	30	10	0	10	40	0	40
Disease Management	01	15	0	15	05	0	05	20	0	20
Feed & fodder technology										
Production of quality animal products										
Others (pl specify)										
Total	**04**	**60**	**0**	**60**	**20**	**0**	**20**	**80**	**0**	**80**
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening										
Design and development of low/minimum cost diet										
Designing and development for high nutrient efficiency diet	01	0	17	17	0	3	3	0	20	20
Minimization of nutrient loss in processing										
Processing and cooking										
Gender mainstreaming through SHGs										
Storage loss minimization techniques										
Value addition	01	0	17	17	0	3	3	0	20	20
Women empowerment										
Location specific drudgery reduction technologies	01	0	18	18	0	2	2	0	20	20
Rural Crafts										
Women and child care	01	0	17	17	0	3	3	0	20	20
Others (pl specify)										
Total	**04**	**0**	**69**	**69**	**0**	**11**	**11**	**0**	**80**	**80**
VI Agril. Engineering										
Farm Machinary and its maintenance	1	15		15	5		5	20	0	20
Installation and maintenance of micro irrigation systems	1	16		16	4		4	20	0	20
Use of Plastics in farming practices	1	14		14	6		6	20	0	20
Production of small tools and implements				0			0	0	0	0
Repair and maintenance of farm machinery and implements				0			0	0	0	0
Small scale processing and value addition				0			0	0	0	0
Post Harvest Technology	1	15		15	5		5	20	0	20
Others (pl specify)				0			0	0	0	0
Total	**4**	**60**	**0**	**60**	**20**	**0**	**20**	**80**	**0**	**80**
VII Plant Protection										
Integrated Pest Management	1	15		15	5		5	20	0	20
Integrated Disease Management	2	13		13	7		7	20	0	20
Bio-control of pests and diseases	1	16		16	4		4	20	0	20
Production of bio control agents and bio pesticides				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total	**4**	**44**	**0**	**44**	**16**	**0**	**16**	**60**	**0**	**60**
VIII Fisheries										
Integrated fish farming										
Carp breeding and hatchery management										
Carp fry and fingerling rearing										
Composite fish culture										
Hatchery management and culture of freshwater prawn										
Breeding and culture of ornamental fishes										
Portable plastic carp hatchery										
Pen culture of fish and prawn										
Shrimp farming										
Edible oyster farming										
Pearl culture										
Fish processing and value addition										
Others (pl specify)										
Total										

IX Production of Inputs at site										
Seed Production										
Planting material production										
Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production										
Organic manures production										
Production of fry and fingerlings										
Production of Bee-colonies and wax sheets										
Small tools and implements										
Production of livestock feed and fodder										
Production of Fish feed										
Mushroom Production										
Apiculture										
Others (pl specify)										
Total										
X Capacity Building and Group Dynamics										
Leadership development										
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
WTO and IPR issues										
Others (pl specify)										
Total										
XI Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (pl specify)										
Total										
GRAND TOTAL	**23**	**357**	**0**	**357**	**72**	**0**	**72**	**429**	**0**	**429**

Farmers' Training including sponsored training programmes – CONSOLIDATED (On + Off campus)

Thematic area	**No. of courses**	**Participants**								
		Others			**SC/ST**			**Grand Total**		
		Male	**Female**	**Total**	**Male**	**Female**	**Total**	**Male**	**Female**	**Total**
I Crop Production										
Weed Management	02	37	0	37	01	0	01	38	0	38
Resource Conservation Technologies	01	16	0	16	04	0	04	20	0	20
Cropping Systems										
Crop Diversification	02	35	0	35	04	0	04	39	0	39
Integrated Farming										
Micro Irrigation/irrigation										
Seed production										
Nursery management	01	16	0	16	01	0	01	17	0	17
Integrated Crop Management	02	25	8	35	06	0	06	31	8	39
Soil & water conservatioin	01	18	0	18	00	0	00	18	0	18
Integrated nutrient management	03	48	0	48	08	0	08	56	0	56
Production of organic inputs										
Others (pl specify)										
Total	**12**	**195**	**8**	**203**	**24**	**0**	**24**	**219**	**08**	**227**
II Horticulture										
a) Vegetable Crops										
Production of low value and high valume crops										
Off-season vegetables										
Nursery raising	02	36	0	36	04	0	04	40	0	40
Exotic vegetables	01	17	0	17	03	0	03	20	0	20
Export potential vegetables										
Grading and standardization	01	18	0	18	02	0	02	20	0	20
Protective cultivation										
Others (INM in Cole Crops)	01	17	0	17	03	0	03	20	0	20
Total (a)	**05**	**88**	**0**	**88**	**12**	**0**	**12**	**100**	**0**	**100**

b) Fruits										
Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit										
Management of young plants/orchards										
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques										
Others (pl specify)										
Total (b)										
c) Ornamental Plants										
Nursery Management	01	17	0	17	03	0	30	20	0	20
Management of potted plants										
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants										
Others (Cultivation technique of marigold)	01	10	0	10	10	0	10	20	0	20
Total (c)	**02**	**27**	**0**	**27**	**13**	**0**	**13**	**40**	**0**	**40**
d) Plantation crops										
Production and Management technology										
Processing and value addition										
Others (pl specify)										
Total (d)										
e) Tuber crops										
Production and Management technology										
Processing and value addition										
Others (pl specify)										
Total (e)										
f) Spices										
Production and Management technology										
Processing and value addition										
Others (pl specify)										
Total (f)										
g) Medicinal and Aromatic Plants										
Nursery management										
Production and management technology										
Post harvest technology and value addition										
Others (Introduction of Medicinal and Aromatic Plants)	01	15	0	15	05	0	05	20	0	20
Total (g)	**01**	**15**	**0**	**15**	**05**	**0**	**05**	**20**	**0**	**20**
GT (a-g)	**08**	**130**	**0**	**130**	**30**	**0**	**30**	**160**	**0**	**160**
III Soil Health and Fertility Management										
Soil fertility management										
Integrated water management										
Integrated Nutrient Management										
Production and use of organic inputs										
Management of Problematic soils										
Micro nutrient deficiency in crops										
Nutrient Use Efficiency										
Balance use of fertilizers										
Soil and Water Testing										
Others (pl specify)										
Total										
IV Livestock Production and Management										
Dairy Management	02	36	0	36	04	0	04	40	0	40
Poultry Management										
Piggery Management										
Rabbit Management										
Animal Nutrition Management	02	36	0	36	04	0	04	40	0	40
Disease Management	02	36	0	36	04	0	04	40	0	40
Feed & fodder technology	02	36	0	36	04	0	04	40	0	40
Production of quality animal products										
Others (pl specify)										
Total										
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	01	0	20	20	0	0	0	0	20	20
Design and development of low/minimum	01	0	16	16	0	4	4	0	20	20

cost diet										
Designing and development for high nutrient efficiency diet	01	0	17	17	0	3	3	0	20	20
Minimization of nutrient loss in processing										
Processing and cooking										
Gender mainstreaming through SHGs										
Storage loss minimization techniques	01	0	17	17	0	3	3	0	20	20
Value addition	02	0	35	35	0	5	5	0	40	40
Women empowerment										
Location specific drudgery reduction technologies	01	0	18	18	0	2	2	0	20	20
Rural Crafts										
Women and child care	01	0	17	17	0	3	3	0	20	20
Others (pl specify)										
Total	**08**	**0**	**140**	**140**	**0**	**20**	**20**	**0**	**160**	**160**
VI Agril. Engineering										
Farm Machinary and its maintenance	2	30	0	30	10	0	10	40	0	40
Installation and maintenance of micro irrigation systems	2	30	0	30	10	0	10	40	0	40
Use of Plastics in farming practices	2	30	0	30	10	0	10	40	0	40
Production of small tools and implements	0	0	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	1	15	0	15	5	0	5	20	0	20
Small scale processing and value addition	1	14	0	14	6	0	6	20	0	20
Post Harvest Technology	1	15	0	15	5	0	5	20	0	20
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**9**	**134**	**0**	**134**	**46**	**0**	**46**	**180**	**0**	**180**
VII Plant Protection										
Integrated Pest Management	3	47	0	47	13	0	13	60	0	60
Integrated Disease Management	3	28	0	28	12	0	12	40	0	40
Bio-control of pests and diseases	2	30	0	30	10	0	10	40	0	40
Production of bio control agents and bio pesticides	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	**8**	**105**	**0**	**105**	**35**	**0**	**35**	**140**	**0**	**140**
VIII Fisheries										
Integrated fish farming										
Carp breeding and hatchery management										
Carp fry and fingerling rearing										
Composite fish culture										
Hatchery management and culture of freshwater prawn										
Breeding and culture of ornamental fishes										
Portable plastic carp hatchery										
Pen culture of fish and prawn										
Shrimp farming										
Edible oyster farming										
Pearl culture										
Fish processing and value addition										
Others (pl specify)										
Total										
IX Production of Inputs at site										
Seed Production										
Planting material production										
Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production										
Organic manures production										
Production of fry and fingerlings										
Production of Bee-colonies and wax sheets										
Small tools and implements										
Production of livestock feed and fodder										
Production of Fish feed										
Mushroom Production										
Apiculture										
Others (pl specify)										
Total										

X Capacity Building and Group Dynamics										
Leadership development										
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
WTO and IPR issues										
Others (pl specify)										
Total										
XI Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (pl specify)										
Total										
GRAND TOTAL	**45**	**696**	**8**	**704**	**159**	**0**	**159**	**855**	**8**	**863**

Training for Rural Youths including sponsored training programmes (On campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops	02	24	0	24	06	0	06	30	0	30
Training and pruning of orchards										
Protected cultivation of vegetable crops	02	25	0	25	05	0	05	30	0	30
Commercial fruit production										
Integrated farming										
Seed production	02	24	0	24	02	0	02	26	0	26
Production of organic inputs										
Planting material production										
Vermi-culture	01	15	0	15	0	0	0	15	0	15
Mushroom Production	02	25		25	05		05	30		30
Bee-keeping	02	26		26	04		04	30		30
Sericulture										
Repair and maintenance of farm machinery and implements	02	26		26	04		04	30		30
Value addition	03	12	20	32	3	0	03	15	20	35
Small scale processing	01	13		13	2		2	15		15
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
Production of quality animal products										
Dairying	02	26	0	26	4	0	4	30	0	30
Sheep and goat rearing	01	13	0	13	02	0	02	15	0	15
Quail farming										
Piggery										
Rabbit farming										
Poultry production	01	13	0	13	02	0	02	15	0	15
Ornamental fisheries										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Any other (pl.specify) Entrepreneurship development	01	12	0	12	02	0	02	14	0	14
TOTAL	**22**	**254**	**0**	**254**	**58**	**32**	**90**	**312**	**32**	**344**

Training for Rural Youths including sponsored training programmes (Off campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops										
Training and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming										
Seed production										
Production of organic inputs										
Planting material production										
Vermi-culture										
Mushroom Production										
Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery and implements										
Value addition										
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
Production of quality animal products										
Dairying										
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										
Poultry production										
Ornamental fisheries										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Any other (pl.specify)										
TOTAL										

Training for Rural Youths including sponsored training programmes – CONSOLIDATED (On + Off campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops	02	24	0	24	06	0	06	30	0	30
Training and pruning of orchards										
Protected cultivation of vegetable crops	02	25	0	25	05	0	05	30	0	30
Commercial fruit production										
Integrated farming										
Seed production	02	24	0	24	02	0	02	26	0	26
Production of organic inputs										
Planting material production										
Vermi-culture	01	15	0	15	0	0	0	15	0	15
Mushroom Production	02	25		25	05		05	30		30
Bee-keeping	02	26		26	04		04	30		30
Sericulture										
Repair and maintenance of	02	26		26	04		04	30		30

farm machinery and implements										
Value addition	03	12	20	32	3	0	03	15	20	35
Small scale processing	01	13		13	2		2	15		15
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
Production of quality animal products										
Dairying	02	26	0	26	4	0	4	30	0	30
Sheep and goat rearing	01	13	0	13	02	0	02	15	0	15
Quail farming										
Piggery										
Rabbit farming										
Poultry production	01	13	0	13	02	0	02	15	0	15
Ornamental fisheries										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Any other (pl.specify)	01	12	0	12	02	0	02	14	0	14
TOTAL	**22**	**254**	**0**	**254**	**58**	**32**	**90**	**312**	**32**	**344**

Training programmes for Extension Personnel including sponsored training programmes (on campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops	01	14	0	14	01	0	01	15	01	15
Integrated Pest Management										
Integrated Nutrient management										
Rejuvenation of old orchards										
Protected cultivation technology										
Production and use of organic inputs										
Care and maintenance of farm machinery and implements	02	26		26	04		04	30		30
Gender mainstreaming through SHGs										
Formation and Management of SHGs										
Women and Child care	02	0	30	30	0	0	0	0	30	30
Low cost and nutrient efficient diet designing										
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application										
Management in farm animals	02	28	0	28	02	0	02	30	0	30
Livestock feed and fodder production										
Household food security										
Any other (pl.specify)	02	25		25	05		05	30		30
TOTAL	**9**	**123**	**0**	**123**	**12**	**0**	**12**	**135**	**0**	**135**

Training programmes for Extension Personnel including sponsored training programmes (off campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops	01	14	0	14	01	0	01	15	0	15
Integrated Pest Management										
Integrated Nutrient management	02	22	02	24	06	0	06	30	0	30
Rejuvenation of old orchards										
Protected cultivation technology	02	23	02	25	05	0	05	30	0	30
Production and use of organic inputs										
Care and maintenance of farm machinery and implements										
Gender mainstreaming through SHGs										
Formation and Management of SHGs										
Women and Child care	01	0	15	15	00	0	0	0	15	15

Low cost and nutrient efficient diet designing										
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application										
Management in farm animals	**02**	**28**	**0**	**28**	**02**	**0**	**02**	**30**	**0**	**30**
Livestock feed and fodder production										
Household food security	**01**	**0**	**10**	**10**	**00**	**0**	**0**	**0**	**10**	**10**
Any other (pl.specify)										
TOTAL	**9**	**102**	**14**	**116**	**13**	**0**	**13**	**115**	**14**	**129**

Training programmes for Extension Personnel including sponsored training programmes – CONSOLIDATED (On + Off campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops	2	28	0	28	1	0	1	29	0	29
Integrated Pest Management	0	0	0	0	0	0	0	0	0	0
Integrated Nutrient management	2	22	2	24	6	0	6	28	2	30
Rejuvenation of old orchards	0	0	0	0	0	0	0	0	0	0
Protected cultivation technology	2	23	2	25	5	0	5	28	2	30
Production and use of organic inputs	0	0	0	0	0	0	0	0	0	0
Care and maintenance of farm machinery and implements	2	26	0	26	4	0	4	30	0	30
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0	0	0
Formation and Management of SHGs	0	0	0	0	0	0	0	0	0	0
Women and Child care	3	45	0	45	0	0	0	45	0	45
Low cost and nutrient efficient diet designing	0	0	0	0	0	0	0	0	0	0
Group Dynamics and farmers organization	0	0	0	0	0	0	0	0	0	0
Information networking among farmers	0	0	0	0	0	0	0	0	0	0
Capacity building for ICT application	0	0	0	0	0	0	0	0	0	0
Management in farm animals	4	56	0	56	4	0	4	60	0	60
Livestock feed and fodder production	0	0	0	0	0	0	0	0	0	0
Household food security	1	0	10	10	0	0	0	0	10	10
Any other (pl.specify)	2	25	0	25	5	0	5	30	0	30
TOTAL	**18**	**225**	**14**	**239**	**25**	**0**	**25**	**250**	**14**	**264**

Table. Sponsored training programmes

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop production and management										
Increasing production and productivity of crops										
Commercial production of vegetables										
Production and value addition										
Fruit Plants										
Ornamental plants										
Spices crops										
Soil health and fertility management										
Production of Inputs at site										
Methods of protective cultivation										
Others (pl. specify)										
Total										
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										
Animal Nutrition Management										
Animal Disease Management										
Fisheries Nutrition										
Fisheries Management										
Others (pl. specify)										

Total										
Home Science										
Household nutritional security										
Economic empowerment of women										
Drudgery reduction of women										
Others (pl. specify)										
Total										
Agricultural Extension										
Capacity Building and Group Dynamics										
Others (pl. specify)										
Total										
GRAND TOTAL										

Name of sponsoring agencies involved

Details of vocational training programmes carried out by KVKs for rural youth

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop production and management										
Commercial floriculture										
Commercial fruit production										
Commercial vegetable production										
Integrated crop management										
Organic farming										
Others (pl. specify)										
Total										
Post harvest technology and value addition										
Value addition										
Others (pl. specify)										
Total										
Livestock and fisheries										
Dairy farming										
Composite fish culture										
Sheep and goat rearing										
Piggery										
Poultry farming										
Others (pl. specify)										
Total										
Income generation activities										
Vermicomposting										
Production of bio-agents, bio-pesticides,										
bio-fertilizers etc.										
Repair and maintenance of farm machinery										
and implements										
Rural Crafts										
Seed production										
Sericulture										
Mushroom cultivation										
Nursery, grafting etc.										
Tailoring, stitching, embroidery, dying etc.										
Agril. para-workers, para-vet training										
Others (pl. specify)										
Total										
Agricultural Extension										
Capacity building and group dynamics										
Others (pl. specify)										
Total										
Grand Total										

IV. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
Advisory Services	425	245	0	235
Diagnostic visits	24	85	6	91
Field Day	7	145	12	157
Group discussions	0	0	0	0
Kisan Ghosthi	23	935	446	920
Film Show	0	0	0	-
Self -help groups	0	0	0	989
Kisan Mela `	05	2650	25	2675
Exhibition	0	0	0	0
Scientists' visit to farmers field	229	1145	115	1260
Plant/**animal health camps**	2	83	10	0
Farm Science Club	0	0	0	0
Ex-trainees Sammelan	2	42	8	56
Farmers' seminar/workshop	0	0	0	0
Method Demonstrations	0	0	0	0
Celebration of important days	2	290	15	79
Special day celebration	2	85	5	90
Exposure visits	3	74	0	74
Pashu Palak Gosthi	5	145	0	149
Calf Day	1	70 calves	3	0
Vaccination	3	572	5	0
Total	**736**	**6657**	**650**	**7307**

Details of other extension programmes

Particulars	Number
Electronic Media (CD./DVD)	04
Extension Literature	10
News paper coverage	95
Popular articles	15
Radio Talks	02
TV Talks	18
Animal health camps (Number of animals treated)	310
Others (pl. specify)	-
Total	**454**

Mobile Advisory Services

No. of KVKs	No. of SMSs sent	No. of farmers benefited
01	**49**	**789**

V. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Number of KVKs organised Technology Week	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology

VI. PRODUCTION OF SEED/PLANTING MATERIAL AND BIO-PRODUCTS

Production of seeds by the KVKs

Crop	Name of the crop	Name of the variety	Name of the hybrid	Quantity of seed (q)	Value (Rs)	Number of farmers
Cereals	Paddy	Pusa 1509	-	53.15	Supply to NSC Meerut	
	Paddy	CSR-43	-	23.70	Krishi Utpandan Mandi Samiti	
	Wheat	HD 2967	-	Result Awaited	Supply to NSC Meerut	
	Wheat	DBW 90	-	Result Awaited	Supply to NSC Meerut	
Oilseeds	Mustard	Giriraj/Kranti	-	Result Awaited	Krishi Utpandan Mandi Samiti	
Pulses	Pigeon Pea	P-992	-	9.6	Krishi Utpandan Mandi Samiti-	
Commercial crops						
Vegetables						
Flower crops						
Spices						
Fodder crop seeds						
Fiber crops						
Forest Species	Popuplar	Udai	-	-	-	-
Others						
Green Manuring	Dhaicha	-		-	For improvement of Soil Health (Green Manuring)	
Total						

Production of planting materials by the KVKs

Crop	Name of the crop	Name of the variety	Number	Value (Rs.)	Number of farmers
Commercial					
Vegetable seedlings	Tomato	Shivalik	160	80	09
	Cauliflower	Pusa Posija	390	190	16
	Bringal	Nav kiran, Pusa Syamla	260	130	16
	Chilly/ Capsicum	Pari hot/ Indum Mahabharta	180	90	11
	Cabbage	Ajanta/S-92	560	140	13
	Onion	Nasik Red/Red Beauty	17500	2000	20
Fruits	Mango	Dashari	04	120	01
	Papaya	Pusa Nanha	97	485	09
Ornamental plants	*Ficus benajamina*		40	Use of Campus Beautification	0
	Marigold	Pusa Narangi	330	165	08
	Poppy		2000	Use of Campus Beautification	
	Calendula		2000	Use of Campus Beautification	
	Hollyhock		150	Use of Campus Beautification	
	Sweet Alyssum		250	Use of Campus Beautification	
	Chrysanthemum		500	Use of Campus Beautification	
Medicinal and Aromatic	Aloe vera		400	Ready for Sale	
Plantation	Popular	G-48	150	Ready for Sale	
Total			**24971**	**3380**	**103**

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	Vermi compost	20		
Total				

Table: 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	**588**	**1540**	**46**	**21520.00**
Water	**-**	**-**	**-**	**-**
Plant	**-**	**-**	**-**	**-**
Manure	**9**	**3**	**3**	**1350.00**
Others (Warmi Wash)	**1**	**1**	**1**	**150.00**
Total	**598**	**1544**	**50**	**23020.00**

VIII. SCIENTIFIC ADVISORY COMMITTEE

Name of KVK	Number of SACs conducted
KVK Ghaziabad	07-12-2017

IX. NEWSLETTER

Name of News letter	No. of Copies printed for distribution

X. PUBLICATIONS

Category	Number
Research Paper	03
Technical bulletins	-
Technical reports	12
Others (pl. specify)	18

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

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

Success Story

Integrated Farming System

Due to increasing cost of cultivation & shrinking the cultivable land agriculture is not a profitable business. Most of the small & marginal farmers are not able to fulfill their fundamental needs due to having limited land. Among them Sh. Devendra Singh S/0 Shri Surat Singh belonging to Milak Rawli village of district Ghaziabad is one who was also suffering with the same above said problem & He was so disappointed that he wanted to give up the farming because of having 2.0 acre land (not sufficient for his livelyhood). Before 5 year ago he came in contact with Krishi Vigyan Kendra, Muradnagar, Ghaziabad in a training programme & suggested to go for integrated farming system. He connivanced & started to make vermicompost & to do apiculture. He started his work with 10 unit (10x03 fit) of vermicompost & 5 boxes of apiculture. At first year he produced 100 Qtl. of earned Rs. 52600/- after 05 year (2016-15) in he earned Rs. 813000/- through vermicompost Rs. 540000/-, honey Rs. 198000/- and Worms Rs. 75000/-.

Now he is very happy and confident and thinking about to launch one another product vermiwash. Though he is making it but not at commercial scale.

S.No.	Year	Product	Qty. (Qtl./kg)	Rs.			
				Rate	Cost	Profit	Net Profit
1	2012-13	Vermicompost	120 Qtl.	350/ Qtl.	3000	42000	39000
		Honey	100 kg	150 /kg	1400	15000	13600
Total					**4400**	**57000**	**52600**
2	2013-14	Vermicompost	450 Qtl.	380/ Qtl.	17000	171000	154000
		Honey	270 kg	150 /kg	5000	40500	35500
Total					**22000**	**211500**	**189500**
3	2014-15	Vermicompost	730 Qtl.	385/ Qtl.	35000	281050	246050
		Honey	685 kg	160 /kg	17500	109600	92100
Total					**52500**	**390650**	**338150**
4	2015-16	Vermicompost	1050 Qtl.	400/ Qtl.	55000	420000	365000
		Honey	1030 kg	180 /kg	25000	185400	160400
		Worms	400 kg	200 /kg	-	80000	80000
Total					**80000**	**685400**	**605400**
5	2016-17	Vermicompost	1400 Qtl.	450/ Qtl.	90000	630000	540000
		Honey	1200 kg	190 /kg	30000	228000	198000
		Worms	250 kg	200 /kg	-	50000	50000
Total					**120000**	**908000**	**788000**
Grand Total					**275900**	**2210550**	**1934650**

II. INTERVENTIONS ON DROUGHT MITIGATION

Introduction of alternate crops/varieties

Crops/cultivars	Area (ha)	Number of beneficiaries
Paddy – NDR-99	25.0	42
Sorghum- PC-6	3.6	14
Total	**28.6**	**56**

Major area coverage under alternate crops/varieties

Crops	Area (ha)	Number of beneficiaries
Oilseeds	-	-
Pulses		
Cereals Paddy	25.0	42
Vegetable crops		
Tuber crops		
Fodder Sorghum	3.6	14
Total	**28.6**	**56**

Farmers-scientists interaction on livestock management

Livestock components	Number of interactions	No.of participants
Total		

Animal health camps organised

Number of camps	No.of animals	No.of farmers
03	**310**	**240**
Total		

Seed distribution in drought hit states

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

Large scale adoption of resource conservation technologies

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

Awareness campaign

	Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
	No.	No.of farmers	No.	No.of farmers	No.	No.of farmers	No.	No.of farmers	No.	No.of farmers	No.	No.of farmers
-	-	-	-	-	-	-	-	-	-	-	-	-
Total												

XIII. DETAILS ON HRD ACTIVITIES

A. HRD activities organized in identified areas for KVK staff by the Directorate of Extension

Name of the SAU	Title of the training programmes	No of programmes	No. of Participants	No. of KVKs nvolved
-	-	-	-	-
Total				

B. HRD activities organized in identified areas for KVK staff by Zonal Project Directorate

Title of the training programmes	No of programmes	No. of Participants	No. of KVKs involved
Total			

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

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

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

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

Name of the KVK

TITLE

Introduction

KVK intervention

Output

Outcome

Impact

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	
02	Technology Products	
03	Others if any pl. specify	

C. Facilities in the ATIC which are in operation

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

D. Technology information provided

D.1. Details on technology information

S. No	Information category	Number of ATICs	Total number of farmers benefitted	Category of information						
				Varieties / hybrids	Pest management	Disease management	Agro-techniques	Soil and water conservation	Post Harvest technology and Value addition	Animal Husbandry and fisheries
01	Kisan Call Centre / other Phone calls from farmers									
02	Video shows									
03	Letters received									
04	Letters replied									
05	Training to farmers / technocrats / students									
06	Others pl. specify									

D.2 . Publications (Print & Electronic media)

S. No	Particulars	Number sold	Revenue generated in Rs.	Number of farmers benefited
01	Books			
02	Technical bulletins			
03	Technology Inventory			
04	CDs			
05	DVDs			
06	Video films			
07	Audio CDs			
08	Others if any (please specify)			

E. Technology Products provided

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

F. Technology services provided

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

XV. TECHNOLOGICAL BACKSTOPPING BY DIRECTORATES OF EXTENSION

States covered:

Number of Directorates of Extension:

A. Details on Directors of Extension

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

B. Workshops / meetings organized

. No.	Details of workshop/meeting conducted	No. of KVKs participated
1.	Zonal workshop	13+

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

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

D. Overseeing of KVKs activities

S. No.	Particulars	Number of fields visited	Major observations / remarks	Major suggestions given
01	On Farm Trials	56	To monitoring the KVK`s activities	
02	Front Line Demonstration	69	To study the performance of crop with respect to diseases, growth and yield parameters etc. To monitor the health of animal regarding the calf mortality, infertility problem and other physiological abnormalities among the animal cause by different diseases. To monitor the crop health, diagnosis of diseases in crop, problem of white grub. To study the soil health regarding salinity, alkalinity and fertility status of soil.	Having found out of disease the a proper solution was given to so many farmers to control the problem.Miniral mixture was advised to over come the problem of infertility. Green manuring and application of FYM etc.were suggested to maintain the soil health and they were also suggested to go for balanced use of fertilizer on the basis of soil testing.To control the white grub the use of *beubaria bassiyana*
03	Others pl. specify			

E. Publication on Technology inventory

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

F. Technological Products provided to KVKs

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

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Cluster front line demonstration on moongbean in Zaid- 2018,

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List of Farmers

S.No.	Name of farmers	Father’s Name	Village	Block	Area (ha.)	Aadhar No.	Phone No.
1.	Sh. Durgesh Tyagi	Sh. Omkar Tyagi	Kannoja	Rajapur	0.4	501220278534	9927244104
2.	Sh. Sumit Ch.	Sh. Rishi pal Singh	Kazi pura	Rajapur	0.4		9891659596
3.	Sh. Ajay Kumar	Sh. Veer Pal	Kazi pura	Rajapur	0.4		8510021444
4.	Sh. Mojendra Singh	Sh. Chhotu Ram	Kazi pura	Rajapur	0.4		9958109131
5.	Sh. Shri prakash	Sh. Tota Ram	Kadrabad	Bhojpur	0.4		8909747486
6.	Sh. Keshv Tyagi	Sh. Rajeshwar Tyagi	Mohmadpur Kadim	Bhojpur	0.4		7393948644
7.	Sh. Manoj	Sh. Gyan Singh	Kadrabad	Bhojpur	0.4	288286839009	8077102067
8.	Dr. Kali Ram Tyagi	Sh. Harswrup Tyagi	Mohmadpur Kadim	Bhojpur	0.4	768250403466	7417321220
9.	Sh. Nishant Ch.	Sh. Karmvir Singh	Kazi pura	Rajapur	0.4	967339252350	9891246393
10.	Sh. Niranjan Singh	Sh. Karmvir Singh	Kazi pura	Rajapur	0.4	946003730485	9990002649
11.	Smt. Suresh Bali	W/o Sh. Karmvir Singh	Kazi pura	Rajapur	0.4	721667332362	9990243224
12.	Sh. Amit Tyagi	Sh. Sant Kumar Tyagi	Bayana	Rajapur	0.4	240995327892	9990002648
13.	Sh. Shakuntla Devi	W/o Sh. Sant Kumar Tyagi	Bayana	Rajapur	0.4	470795140882	-
14.	Sh. Chetan Prakash Sharma	Sh. Satpal Sharma	Harsanw	Rajapur	0.4	370483883777	8285510002
15.	Sh. Pramod Tyagi	Sh. Garib Singh	Bayana	Rajapur	0.4	221119860362	9313294588
16.	Sh. Vikram Singh	Sh. Garib Singh	Bayana	Rajapur	0.4	930947164736	9456728820
17.	Sh. Ombir Singh	Sh. Hargyan Singh	Badshahpur Ganauli	Loni	0.4	567737932089	9352152063
18.	Sh. Manoj Bansal	Sh. Balraj	Badshahpur Ganauli	Loni	0.4	892935291367	9310603709
19.	Sh. Begraj	Sh. Ghandhi	Badshahpur Ganauli	Loni	0.4	763535104014	9310877509

20.	Sh. Manoj Kumar	Sh. Ram Kumar	Badshahpur Ganauli	Loni	0.4	-	9313871503
21.	Smt. Sheela	W/o Sh. Hargyan Singh	Badshahpur Ganauli	Loni	0.4	519840869967	9012276262
22.	Sh. Balraj	Sh. Khajan	Badshahpur Ganauli	Loni	0.4	845589987141	9560583709
23.	Sh. Subey Singh	Sh. Jainaryan	Sirora	Loni	0.4	732653904577	8057402311
24.	Sh. Jitendra Kasana	Sh. Gyan Chand	Sirora	Loni	0.4	952477180503	9012318540
25.	Sh. Krishan Pal	Sh. Banarshi Das	Telhata	Bhojpur	0.4	-	9557618336
26.	Sh. Gaurav	Sh. Mahesh Tyagi	Telhata	Bhojpur	0.4	-	8126899765
27.	Sh. Soraj	Sh. Ruppa	Chudiyala	Bhojpur	0.4	899020699776	9897430726
28.	Sh. Kanti Prasad	Sh. Surjan Singh	Telhata	Bhojpur	0.4	-	8171171833
29.	Sh. Naresh	Sh. Atar Singh	Telhata	Bhojpur	0.4	-	8126539061
30.	Sh. Shahid	Sh. Kale Khan	Chudiyala	Bhojpur	0.4	-	-
31.	Sh. Baleshter	Sh. Ruppa	Chudiyala	Bhojpur	0.4	378021622410	8755027776
32.	Sh. Mahipal	Sh. Ruppa	Chudiyala	Bhojpur	0.4	491133638936	-
33.	Smt. Durga	Sh. Ram Singh	Telhata	Bhojpur	0.4	508474709303	8126915331
34.	Sh. Omkar Tyagi	Sh. Pram Singh Tyagi	Kannoja	Rajapur	0.4	445389729721	8650813907
35.	Sh. Mumtaj	Moh. Khan	Kannoja	Rajapur	0.4	701200414220	9927539617
36.	Sh. Omkar Sharma	Sh. Ragubir Singh	Kannoja	Rajapur	0.4	-	947616101
37.	Sh. Manoj Kumar	Sh. Duli Chand	Rawli Milak	Muradnagar	0.4	444001195571	9760550043