KVK SAHARANPUR ANNUAL REPORT (April-2018-March-2019)

APR SUMMARY

1. Training Programmes

Clientele	No. of Courses	Male	Female	Total participants
Farmers & farm women	57	820	320	1140
Rural youths	10	80	20	100
Extension functionaries	12	98	22	110
Sponsored Training	5	597	96	693
Vocational Training (Sponsored)	2	135	15	150
Total	86	1730	473	2193

2. Frontline demonstrations

Enterprise	No. of Farmers	Area (ha)	Units/Animals
Oilseeds(CFLD)	100	40.00	
Pulses(CFLD)	175	70.00	
Cereals	60	20.00	
Vegetables	0	0	
Fruit	0	0	
Sugarcane	10	4.0	
Total	345	134.00	
Livestock & Fisheries	115	0	515
Other enterprises	25	0	25
Total	140	0	
Grand Total	485	134.00	540

3. Technology Assessment

Category	No. of Technology Assessed	No. of Trials	No. of Farmers
Technology Assessed			
Crops	8	1	24
Livestock	2	1	20
Total	10	2	44

4. Extension Programmes

Category	No. of Programmes	Total Participants
Extension activities	1317	14672
Total	1317	14672

5. Mobile Advisory Services

		N. 0	Type of Messages					
No. of Calls	No. of Farmers	No. of Messages	Crop (No.)	Livestock	Weather	Marketing	Awareness	Other enterprise
812	812	72	48	8	0	3	9	4

6. Seed & Planting Material Production

	Quintal/Number	Value (in Rs.)
Seed (q) Wheat & Paddy	20.00	
Planting material (No.)	8705	2390.00

7. Soil, water & plant Analysis

Samples	No. of Beneficiaries	Value Rs.
Soil Sample Tested	878	26340.00
SOIL HEALTH CARD PREPARED	1643	0.0
Total		26340.00

8. HRD and Publications

Sr. No.	Category	Number
1	Workshops	5
2	Conferences	2
3	Meetings	11
4	Trainings for KVK officials	4
5	Visits of KVK officials	19
6	Book published	2
7	Training Manual	2
8	Book chapters/booklets	4
9	Research papers	3
10	Lead papers	1
11	Seminar papers	2
12	Extension folder	5
13	Proceedings	2
14	Award & recognition	4
	Total:	66

DETAIL REPORT OF APR-2018-19

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Tele	phone	E mail
	Office	FAX	
KRISHI VIGYAN KENDRA,	0132-2664480	0132-2664480	kvksaharanpur01@gmail.com
KHAJURI BAGH, NEAR NUMAISH			
CAMP, NEW GOPAL NAGAR			
SAHARANPUR-247001 (U.P.)			

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

Address	Tele	phone	E mail
	Office	FAX	
Sardar Vallabhbhai Patel University of Agril &	0121-2888511	0121-2888511	deesvpuat2014@gmail.com
Tech, Modipuram, Meerut, (U.P)			

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

Name		Telephone / Contact					
Dr. I.K. Kushwaha	Residence	Mobile	Email				
		9412376121	kushwahaik66@gmail.com				

1.4. Year of sanction: 1992



1.5. Staff Position (as on 30th March, 2019)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temp-orary	Category (SC/ST/ OBC/ Others)	Mobile no.	əge	Email id
1	Subject Matter Specialist	Dr. I.K. Kushwaha	Professor (Plant Protection)/OIC	Ph.D (P.P.)	37400-67000	62420	10.04.95	Permanent	OBC	9412376121	52	kushwahaik66@g mail.com
2	Subject Matter Specialist	Dr. (Mrs.) Rita	Professor (Home Science)	Ph.D. (H. Sc.)	37400-67000	02869	10.10.94	Permanent	GEN	9412232795	59	ritakvk1959@ gmail.com
3	Subject Matter Specialist	Sh. Pramod Kumar	SMS/Asstt. Prof. (A.H)	M.Sc.(A.H)	15600-39100	31070	09.07.08	Permanent	OBC	9311951646	48	pramodk201070 @ rediffmail.com
4	Programme Assistant	Dr. Virendra Kumar	Programme Assistant	Ph.D (Ag. Botany)	9300-34800	76500	01.07.98	Permanent	OBC	9837712827	50	virendrakumar05 3@gmail.com
5	Computer Programmer	Sh. R. R Dhaneshwar	Prog. Asstt. (Comp.)	PGDCA(2yr) & MCA	9300-34800	70000	27.10.99	Permanent	SC	9927279434	43	rajdhaneshwar_152@ yahoo.co.in
6	Accountant / Superintendent	Sh. Ashwani Kumar	O/S cum Acctt.	B.A	9300-34800	50500	30.07.07	Permanent	sC	9897656491	44	ashwanikvk@ gmail.com
7	Stenographer	Sh. Sumit Kumar	Jr. Steno	BCA, LLB	5200-20200	38100	30.07.07	Permanent	OBC	9412663575	36	
8	Driver	Sh. Sanjay Kumar	Driver	B.A	5200-20200	29300	30.07.07	Permanent	GEN	9756909699	45	
9	Supporting staff	Sh. Sita Ram	Attendant	B.A	4440-7440	34300	01.07.98	Permanent	GEN	9411033979	45	
10	Supporting staff	Sh. Ram Kumar	Peon/Security Guard	High school	4440-7440	28400	19.12.03	Permanent	sc	8126023434	45	

1.6. Total land with KVK (in ha) 10.109 ha :

Sl. No.	Item	Area (ha)
1	At Administrative campus	2.290
2	Orchard/Agro-forestry	5.869
3	Сгор	0.90
4	Farm office & threshing floor	0.05
5	Guava orchard	1.000
	Total:	10.109

1.7. Infrastructural Development: A) Buildings

11)	Dunungs						
SI.	Name of building	Source of	Stage				
No.		funding		Complete		Inco	mplete
			Completion	Plinth area	Expenditure	Starting	Status of
			Date	(Sq.m)	(Rs. in lakh)	Date	construction
1.	Administrative	ICAR	April 2005	550 m^2	31.50	01.06.06	Completed
	Building						
2.	Farmers Hostel	ICAR	2008	300 m^2		01.06.06	Completed
3.	Staff Quarters (6)	ICAR	2008	431 m ²		01.06.06	Completed
4.	Demonstration	ICAR	2008 &	760 m^2		01.06.06 &	Completed
	Units/IFS/		2017			17.03.2017	
	ATIC (9)						
5.	Fencing	ICAR	2008	1000 m^2		01.06.06	Completed
6.	Irrigation Channel	ICAR	2008	800 m		01.06.06	Completed
7.	Threshing floor	ICAR	2008	300 m^2		01.06.06	Completed
8.	Farm godown	ICAR	2008	60 m^2		01.06.06	Completed

B) Vehicle

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Jeep	2009	4,85,000.00	179344	Working condition
Motor Cycle	2003	57,680.00	36,012	Working condition

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Photo Copier Machine with Voltage	30.12.1999	66200.69	Not working
Stabliser also two Toner			
Over Head Projector	10.12.1999	15645	Not working
LCD Projector Panasonic	30.03.2007	57000	Working
VCR	21.10.2000	12450	Not working
TV	21.10.200	13900	Not Working
Camera Pantex	21.10.2000	22400	Not working
Digital Camera	30.03.2004	8450	Not working
Scanner	30.03.04	7400	Not working
Fax Machine	30.03.04	15000	Not working

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

Sl.	Date	Name &Designation	Salient Recommendations	Action taken
No.		of Participants		
1.	05.02.2019	Dr. S.K. Sachan, DE,	KVK also send farmers to	Two exposure visit was conducted
	(No. of	SVPUA&T, Meerut	University & others Institutions	to DMR, Solan, IVRI Bareilly &
	participants-		for training/exposure visit	GBPUA&T, Pantnagar
	47)			
2		Dr. S.K. Sachan, DE	Implement shed made for CRM	Demand ofr implements send to
			implements	ICAR-ATARI, Kanpur
3		Dr. Jai Singh, Ex-	Jointly efforts with Agriculture	KVK involved in Kisan Pathshala
		Director ICAR	Department may be more	programme as Scientists.
			effective	
4		Dr. Y.P. Singh,	Farmers can obtain information	KVK time to time dessiment the

	AD(A.H.) SRE	about animal husbandry scheme	different Govt. scheme to farmers
		through KVK and take benefit.	through gosthies and literature
5	Sri. Satvir Singh,	KVK may plan to visit	40 farmers visits mushroom
	Progessive farmer	mushroom producing centres	growers centres(Himachal Pradesh
		for value addition knowldege	& Uttarakhand) for knowldge
			empowerment
6	Sri. Seth Pal Singh,	More emphasis given on	In Action Plan Rabi & Kharif
	Progressive farmers	compaign programme	compaign programme scheduled.
		regarding pesticides spray	
		before flowering in rice.	
7	Sri. Omvir Singh,	Waste decomposer distribution	Waste decomposer distribution
	Prograssive farmer	programme appreciabale and	programme cover 4000 farmers of
		need to cover more farmer	11 Block of District.
8	Smt. Trishla Devi	More emphasis given on SHG/	KVK trained many farmers for
		FPO for value addition and	adopting group approach. Sri.
		marketing of processed	Sudhir Saini adoped value addition
		products.	practices and launched trade name
			"Royal Food".
9	Dr. S.K. Sachan, DE,	SAC members appreciate the	KVK sent budget demand for
	SVPUA&T, Meerut	technology model and suggest	reapairing white washing etc.
	and Other Officials	the reparing of lab,. Farmers'	
		hostel, administrative building	
		& residential quarters.	

2. DETAILS OF DISTRICT (2018-19)

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

Sl. No.	Farming system/enterprise
1	Agri. + Hort. + A.H.
2	Agri. + A.H.
3	Landless + A.H.

2.2. Description of Agro-climatic Zone & major agro ecological situations Table – AGROECOLOGICAL SITUATIONS OF SAHARANPUR DISTRICT

Sl. No.	AES	Characteristics of AES	Major Commodities	Farming System	Blocks
1.	Ι	More than 60 % of area rain fed, sandy and sandy loam	Maize, Wheat, Groundnut, Lentl, Guava, Mango, Brinjal, Bitter-guard, Cow, Goat, Sheep	Maize, Groundnut based+ Hort+AH (Cow, Goat, Sheep)	S. Kadeem, Muzaffarabad
2.	II	Irrigated Loam, Clay Loam soils	Rice, Wheat, S.cane, Mango, Vegetables, Buffalo, Cow	Paddy, Wheat, S. cane based+A.H. (Cow, Buffalo)+ Hort	Rampur, Baliakheri, Puwanrka
3.	III	Irrigated Sandy Loam, Loam (S.cane predominant)	S.cane, Wheat, Urd, Paddy, Mustard, Buffalo, Cow	S.cane based +Horticulture+A.H. (Cow, Buffalo)	Deoband, Nagal, Sarsawa, Nakur, Nanauta, Gangoh



2.3 Soil types

Sl. No.	Soil type	Characteristics	Area (ha)
1	Sandy	Size- >0.02 mm	44280.00
		WHC- Low	
		Fertility – Very Low	
2	Sandy loam & Loam	Size- 0.02-0.002 mm	147706.00
		WHC- Medium	
		Fertility – Medium	
3	Clay loam	Size- <0.002 mm	81420.00
		WHC- High	
		Fertility – High	
	Total:		273406.00

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

Sl.No.	Name of the commodity	Area (ha)	Production (qtl.)	Productivity (q/ha)
1	Paddy	73919	198070	26.80
2	Wheat	112.343	377.213	33.55
3	Sugarcane	79634	55993890	618.0
4	Groundnut	3890	32840	10.58
5	Urd	1441	5249	4.51
6	Maize	8285	92493	12.02
7	Gram	14	40	4.0
8	Lentil	2150	17290	7.98
9	Mustard	1205	1182	9.81
10	Pea	55	140	10.0

AREA, PRODUCTION AND PRODUCTIVITY OF IMPORTANT COMMODITIES IN SAHARANPUR DISTRICT

Sl.No.	Name of the commodity	Area (ha)	Productivity (ton/ha)
Α	Vegetables		
1	Cole crops	6000	29.00
2	Brinjal	4610	34.00
3	Tomato	1975	31.00
4	Pea	1905	15.45
5	Cucurbits	9400	17.10
6	Potato	1020	24.56
7	Capsicum	275	18.60
8	Okra	1825	16.00

В	Spices		
1	Onion	215	21.00
2	Chilli	218	16.00
С	Fruits		
1	Mango	25946	11.00
2	Guava	2210	18.27
3	Litchi	1500	9.16
4	Peach	135	9.25

2.5 Weather data (Rainfall) :

Month	Rainfall (mm)	Temp	erature ⁰ C	Relative Humidity (%)
		Maximum	Minimum	
April, 2018	2.50	32	22	65
May, 2018	32.70	38	25	65
June, 2018	13.10	42	32	53
July, 2018	336.60	40	30	66
Aug., 2018	389.50	37	24	65
Sept., 2018	98.80	35	21	62
Oct., 2018	8.50	32	21	62
Nov., 2018	4.10	27	20	65
Dec., 2018	2.1	25	17	70
Jan., 2019	27.2	18	8	75
Feb., 2019	31.7	19	8	75
March, 2019	29.5	25	12	72

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

Category	Population	Production	Productivity (kg/day/animal)
Cattle	260352		
Crossbred	78106	89760	8.5
Indigenous	182246	120487	1.7
Buffalo	633988	1627016	5.8
Sheep	25813	36935	1.3
Goats	97072	50121	0.9
Pigs	25913		
Poultry	87989		
	•		

Category	Area (ha)	Production (qt.)	Productivity (qt./ha)
Fish	350	14350	41.0

2.7 Details of Operational area / Village (2018-19)

Sl.	Name of the	Name of the village	Major crops	Major problem identified	Identified Thrust Areas
No.	block	_	&		
			enterprises		
1	Baliya Kheri	Nandı Firozpur,	Sugarcane,	Poor quality seed, Imbalance	Promoting seed production,
		Chhapredi,	Wheat,	fertilizer application, No seed	IPNM, IPM, IDM, Proper
		Hasanpur Bhalasuwa	paddy,	treatment, Improper plant	health & nutrition management
			Lentil,	protection majors, Imbalanced	in animals, Promoting Vallabh
			Brinjal,	feeding in animals, Improper	Krishak Club, Resource
			Mango,	hygenic condition, Lack of	Conservation Technologies,
			Cows &	technical knowledge,	Improving technical skills
			Buffaloes	Marketing problem etc	
2	Punwaraka	Punwarka, Budhha	Sugarcane,	Poor quality seed,	Promoting seed production,
		Khera Ahir,	Wheat,	Imbalance fertilizer	IPNM, IPM, IDM, Proper
		Chaurakhurd &	paddy,	application, No seed	health & nutrition
		Lakhnautikaln	Lentil, Urd,	treatment, Improper plant	management in animals,
			Mustard,	protection majors,	Promoting Vallabh Krishak
			Mango,	Imbalnced feeding in	Club, Resource
			Cows &	animals, Improper hygenic	Conservation Technologies,
			Buffaloes	condition, Lack of technical	Improving technical skills
				knowledge. Marketing	1 0
				problem etc	
1	1			problem etc	

3	Nakur	Raniyala Dayalpur, Jaigehta, Dadnor	Sugarcane, Wheat, paddy, Lentil, Urd, Mustard, Mango, Cows & Buffaloes	Poor quality seed, Imbalance fertilizer application, No seed treatment, Improper plant protection majors, Imbalnced feeding in animals, Improper hygenic condition, Lack of technical knowledge, Marketing problem etc	Promoting seed production, IPNM, IPM, IDM, Proper health & nutrition management in animals, Promoting Vallabh Krishak Club, Resource Conservation Technologies, Improving technical skills
4	Sarsanwa	Bidvi, Ahadi Kanla& Patna	Sugarcane, Wheat, paddy, Lentil, Urd, Mustard, Mango, Cows & Buffaloes	Poor quality seed, Imbalance fertilizer application, No seed treatment, Improper plant protection majors, Imbalnced feeding in animals, Improper hygenic condition, Lack of technical knowledge, Marketing problem etc	Promoting seed production, IPNM, IPM, IDM, Proper health & nutrition management in animals, Promoting Vallabh Krishak Club, Resource Conservation Technologies, Improving technical skills
5	Nagal	Bedadi Koli Nagal & Amki	Sugarcane, Wheat, paddy, Lentil, Brinjal, Mango, Cows & Buffaloes	Poor quality seed, Imbalance fertilizer application, No seed treatment, Improper plant protection majors, Imbalanced feeding in animals, Improper hygenic condition, Lack of technical knowledge, Marketing problem etc	Promoting seed production, IPNM, IPM, IDM, Proper health & nutrition management in animals, Promoting Vallabh Krishak Club, Resource Conservation Technologies, Improving technical skills
6	Rampur	Madnuki, Pahansu	Sugarcane, Wheat, paddy, Lentil, Brinjal, Mango, Cows & Buffaloes	Poor quality seed, Imbalance fertilizer application, No seed treatment, Improper plant protection majors, Imbalanced feeding in animals, Improper hygenic condition, Lack of technical knowledge, Marketing problem etc	Promoting seed production, Promoting mushroom production, IPNM, IPM, IDM, Proper health & nutrition management in animals, Promoting Vallabh Krishak Club, Resource Conservation Technologies, Improving technical skills
7	Gangoh	Mubarikpur Sukheri	Sugarcane, Wheat, paddy, Lentil, Brinjal, Mango, Cows & Buffaloes	Poor quality seed, Imbalance fertilizer application, No seed treatment, Improper plant protection majors, Imbalanced feeding in animals, Improper hygenic condition, Lack of technical knowledge, Marketing problem etc	Promoting seed production, IPNM, IPM, IDM, Proper health & nutrition management in animals, Promoting Vallabh Krishak Club, Resource Conservation Technologies, Improving technical skills
8	Muzaffarabad	Chanchak, Khusalipur & Baheda Kanla	Sugarcane, Groundnut, Wheat, paddy, Lentil, Brinjal, Mango, Cows & Buffaloes	Poor quality seed, Imbalance fertilizer application, No seed treatment, Improper plant protection majors, Imbalanced feeding in animals, Improper hygenic condition, Lack of technical knowledge, Marketing problem etc	Promoting seed production, IPNM, IPM, IDM, Proper health & nutrition management in animals, Promoting Vallabh Krishak Club, Resource Conservation Technologies, Improving technical skills
9	Deoband	Rankhandi, Makbara & Sakhan Kanla	Sugarcane, Wheat, paddy,	Poorqualityseed,Imbalancefertilizerapplication,Noseed	Promoting seed production, IPNM, IPM, IDM, Proper health & nutrition

			Lentil,	treatment, Improper plant	management in animals,
			Brinjal,	protection majors,	Promoting Vallabh Krishak
			Mango,	Imbalanced feeding in	Club, Resource
			Cows &	animals, Improper hygenic	Conservation Technologies,
			Buffaloes	condition, Lack of technical	Improving technical skills
				knowledge, Marketing	
				problem etc	
10	Sadauli	Rampur Badkala,	Groundnut,	Poor quality seed,	Promoting seed production,
	Kadeem	Meerpur Thaska	Guava,	Imbalance fertilizer	IPNM, IPM, IDM, Proper
		-	Wheat,	application, No seed	health & nutrition
			paddy,	treatment, Improper plant	management in animals,
			Lentil,	protection majors,	Promoting Vallabh Krishak
			Brinjal,	Imbalanced feeding in	Club, Resource
			Mango,	animals, Improper hygenic	Conservation Technologies,
			Cows &	condition, Lack of technical	Improving technical skills
			Buffaloes	knowledge, Marketing	
				problem etc	
11	Nanauta	Maheshpur,	Sugarcane,	Poor quality seed,	Promoting seed production,
		Hangawali,&Dalheri	Wheat,	Imbalance fertilizer	IPNM, IPM, IDM, Proper
			paddy,	application, No seed	health & nutrition
			Lentil,	treatment, Improper plant	management in animals,
			Brinjal,	protection majors,	Promoting Vallabh Krishak
			Mango,	Imbalanced feeding in	Club, Resource
			Poultry,	animals, Improper hygenic	Conservation Technologies,
			Cows &	condition, Lack of technical	Improving technical skills
			Buffaloes	knowledge, Marketing	
				problem etc	

2.8 **Priority thrust areas**

2.0 Inothey diffuse are	
Crop/Enterprise	Thrust area
Rice	IPNM, Weed management, Hybrid rice, IPM, IDM, Seed production
Sugarcane	IPNM, Weed management, IPM, IDM, Seed production
Wheat	Integrated Nutrient Management, Weed management, IPM, IDM, Seed production
Oilseeds & Pulses crop	Sulphar application & IPM
Vegetables	IPNM & IPM
Animals	Endo & Ecto parasite control, Improving fertility, Nutreint management

2.9 Intervention/ Programmes for the doubling the farmers income – during 2018-19

2.9 Intervention/ Programmes for the doubling the farmers income – during 2018-19				Demons	trations		
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.							
Sugarcane-Onion	1090.00	370.00	1460.00	135110.00	51350.00	1.38	

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.							
Sugarcane-Onion	1210.00	348.00	1558.00	148220.00	106021.00	1.71	

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

Before Interventions	Main crop Yield(ɑ/ha)	Inter crop Yield(g/ha)	Equivalent vield(g/ha)	Cost of cultivation(Rs/ha)*	Net income(Rs/ha)	B.C: Ratio	Remark if anv
		(T)	J				
Relay Cropping							
System(Kharif-Rabi-							
Zaid) -Livestock etc.							
Bottlegourd-Early	350.50		350.50	110350.00	153140.00	2.38	
Cauliflower-Green Gram							

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.							
Bottlegourd-Early Cauliflower-Green Gram	610.00	10.4	620.40	134450.00	235350.00	2.75	

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.							
Rice-Wheat-Dairy	92.5	2250 lit.(milk)	92.5+2250	128130.00	158320.00	2.23	

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.							
Rice-Wheat-Dairy	118.50	26.70 qt.(milk)	145.20	139254.00	216330.00	2.53	

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.										
Kharif- Rice	48	-	-	29110.00	75300.00	3.5				
Black Gram	9.5			15600.00	33200.00	3.1				
Rabi- Wheat	51			28900.00	24600.00	1.8				
Live stok	-	-	-	-	-	-				

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.									
Kharif- Rice	55	-	-	30600	105300	4.4			
Black Gram	Guava(3year)	14.3		18950	49200	3.5			
Rabi- Wheat	57	-		33850	65120	2.9			
Live stok	100 Chicks	-	-	9000	17500	2.9			

IFS Module at KVK Saharanpur for 1.20 hectare area

Details of module/model	Area (1.20	ha)	Net I	ncome
	Area (ha)	% of total area	Net Income (Rs in lakh)	% contribution to total net income
Cropping systems				
 S.cane+Mustard-ratoon-wheat Maize- Mustard- Mung Blackgram-Wheat- Okra Paddy -Mustard –Frenchbean 	0.40	33.33	0.38	15.1
Dairy				
2 UMMB	0.10	8.33	0.37	14.6
Agri-horti system				
Mango, Guava, Banana, Lemon, Papaya, Beal &Aonla	0.50	41.66	0.67	26.4
Fishery				•
Catla, Common carp	0.10	8.33	0.08	3.2
Vermi-compost				
8 Beds (18'x3')	0.10	8.33	0.45	17.7
Poultry				
100 Chicks	100chicks	-	0.28	11.2
Bee Keeping & Mushroom				
Bee Keeping Mushroom	10 Box 100 Bags	-	0.30	11.8
Total	1.20	100	2.53	100

3. TECHNICAL ACHIEVEMENTS

OFT (Technology Asse	ssment and	Refinement)	FLD (Oilseeds, Pulses, Other Crops/Enterprises)				
1						2		
Num	ber of OFTs	Total	no. of Trials	A	Area in ha Number of Far		er of Farmers	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement	
8-10	10		44	134.00 200		485		

3.A. Details of target and achievements of mandatory activities by KVK during 2018-19

Training (inc	luding spo	nsored, vocati	onal and ot	ther trainings	Extension Activities				
car	ried under	Rainwater Ha	rvesting U	nit)					
		3					4		
Number of Courses			Number of		Number	r of activities	Nu	mber of	
			Par	ticipants	participan		ticipants		
Clientele	Targets	Achieve-	Targets	Achieve-	Targets	Achieve-	Targets	Achieve-	
		ment		ment		ment		ment	
PF Farmers		57		1140					
Rural youth		10		100					
Extn.	-	12		120					
Functionaries									
Sponsored	100	5	2000	693	2000	1317	4000	14672	
training									
Vocational		2		150					
RY Training									
Total	100	86	2000	2193	2000	1317	4000	14672	

	Seed Production (Qtl.)	Planting material (Nos.)			
	5		6			
Target	Achievement	Distributed to no. of	Target	Achievement	Distributed to	
		farmers			no. of farmers	
20	15	7	20,000	8705	274	

I.A TECHNOLOGY ASSESSMENT

Thematic areas	Crop	Name of the technology assessed	No. of trials	No. of farmers	
Resource Conservation	S.Cane + Inter crop	Improved trench method planting of sugarcane	01	05	
Pest Disease Management	Mango	Management of shoot gall maker (Psylliasp) insect in mango orchard	01	03	
	Brinjal	Assessment of shoot & fruit borer insect management in brinjal	01	03	
Nutrient management	Mango	Evaluation of different nutrient combination in mango orchard	01	03	
Varietal Evaluation	Paddy	Evaluation of disease resistance & high yielding varieties of paddy in Saharanpur District	01	05	
	Wheat	Evaluation of disease resistance & high yielding varieties of wheat in Saharanpur district	01	05	
		Total:	06	24	

Summary of technologies assessed under various crops

Summary of technologies assessed under livestock :

Thematic areas	Name of the livestock enterprise	Name of the technology assessed	No. of trials	No. of farmers
Nutrition management	Milch animal	Assessment of UMMB animal feed supplementation to control the infertility	01	10
Feed & fodder management	Buffalo	Assessment of conventional and Bye-pass animal feed to enhancing milk yield.	01	10
		Total	02	20

I.B. TECHNOLOGY ASSESSMENT IN DETAIL

RESOURCE CONSERVATION

OFT-1(Zaid 2018)

Problem definition: Low yield due to conventional planting method of sugarcane in spring season.

Technology Assessed : Improved trench method planting of sugarcane

To increase yield and income of sugarcane growers KVK, Saharanpur conducted on-farm trial on different methods of sugarcane planting. The improved trench planting methods of sugarcane row to row at 120 cm spacing with two row parallel in one furrow and place between two row use as inter crop of mung bean results are given bellow

 Table
 Performance Trench method planting inter crop in sugarcane

Treatments	No. of trial	Yield (q/ha)%No. ofCost ofGrossNetchangemealablecultivationincomeIncome		Net Income	BC Ratio							
		S.Cane	Mung	in Yield	cane 3 (x10 /ha)	(Rs./ha)	(R s./ha)	(Rs. in lakh/ha)				
T1:Planting sugarcane at 75 cm row spacing (FP)	05	725.00	-	-	105	88900.00	232600.00	143700.00	2.6			
T2: Trench method 120 cm		1210.00	5.9	40.5	129	95800.00	397400+ 28900= 426300.00	330500.00	4.4			
Sugarcane Rs. 325/q, Mung-Rs. 5000/q												

Recommendation – Farmers got sugarcane yield 725q/ha. in conventional method and in improved trench method get 1210 q/ha. yield. Yield increased 40.5% in improved trench method in compression to farmers practices. The net income was 3.3 lac/ha. in trench method.

Farmer reaction – In trench method crop was not lodged hence in farmers practice crop was lodged 22-25%.
Farmers get the good income in compression to conventional method so farmers like this technology.

PEST DISEASE MANAGEMENT

OFT-2 (Kharif 2018)

Problem definition: Yield loss of 25% and income loss of Rs.70000/ha due to heavy incidence of shoot gall maker insect in mango orchard

Technology Assesse: Management of shoot gall maker (Psylliasp) insect in mango orchard Mango is an important cash crop of WesternUP. However, there is high incidence of shoot gall maker (Psylliasp) insect in mango orchardresulting in yield loss. KVK Saharanpur conducted on-farm trial to assess the control measure. The assess technology of <u>Thaiomethoxam@1gm/lit.+Profenophos@2gm/lit</u>. water, two spray 2& 14 August reduced the percentage of insect infestation from 36 to 05 and yield awaited.

Technology Option	No.of trials	Incidence of shoot gall (%)	Yield (q/ha)	% Increase in yield over farmer's practice
Application of Imida 0.5ml/lit. (Farmers practice)		21	119.8	
Thaiomethoxam@1gm/lit.+Profenophos@2gm/lit. water , two spray 2& 14 August.	03	7	151.4	31.6

Table Effect of Thaiomethoxam+Profenophosin control of 17ffshoot gall maker (Psylliasp) insect in mango orchard

OFT-3(*Kharif* 2018)

Problem definition: Low yield & poor quality due to high incidence of shoot & fruit borer

Technology Assessed: Assessment of shoot & fruit borer insect management in brinjal.

Brinjal is an important crop of Western UP. However, there is high incidence of shoot & fruit borer in brinjal resulting in yield loss. KVK Saharanpur conducted on-farm trial to **assess** the control measure. The assess technology of Pheromone Trap + Lucin Lure @15/ha and repeat the lure 3 times for shoot borer effected crop 3sqm than spray of Elatracin insecticide.

Table:	Effect of Phero	mone Tra	p + Lucin	Lure @15/h	a control of .	shoot and	frui	t borer insect	in brinjal.

Technology Option	No.of trials	Yield (kg/ha)	% Increase in yield over farmer's practice	Incidence of shoot borer (%)	Cost of cultivation (Rs./ha)	Gross income (Rs./ha)	Net Income (Rs. in lakh/ha)	BC Ratio
Insecticide Spray (Farmers practice)	02	187		24	71620	86230	14610	1.21
Pheromone Trap + Lucin Lure @15/ha	03	232	19.4	6	66800	96910	30110	1.45

OFT-4(2017-18)

NUTRIENT MANAGEMENT

Problem definition: Poor management of manure & fertilizer due to low yield & quality mango production orchard

Technology Assessed: Evaluation of different nutrient combination in mango orchard T1- Farmer's practices (only apply DAP))

T2- Soil application of N:P:K 12:32:16 3.0 kg/plant and micro nutrient 2.0 kg/plant(micro food)

Treatments	No. of trial	Yield	% change in	Cost of	Gross	Net	BC
		(q/ha)	Yield	cultivation	income	Income	Ratio
		_		(Rs./ha)	(Rs./ha)	(Rs. in	
						lakh/ha)	
T1: Only apply DAP (FP)		140.1		46510	194210	148700	4.2
T2: Soil application of N:P:K	02	155.2	10.1	48590	215905	167395	4.4
12:32:16 3.0 kg/plant and micro							
nutrient 2.0 kg/plant(micro food)							

Table: Ecnomics of Application of manure & fertilizer in mango orchard



Recommendation – In Saharanpur mango area is about 25000 and most of the farmers applied 1 Kg DAP/tree get 140.1 q/ha. & on the basis of soil testing basis farmers applied the nutrient on the scientific recommendation & get 155.2 q/ha. The yield increased was 10.16% & farmers get the income 167395/ha. & BC ratio also 4.4.

Farmers reactions: -- Under treatment get the 155.2 q/ha comparison to farmers practices 140.1 q/ha.

The fruit quality was much better resulting market price increase.

VARIETAL EVALUTION

OFT-5(Kharif 2018)

Problem definition: Low yield and income of paddy due to use of old varieties.

Technology Assessed: Evaluation of disease resistance & high yielding varieties of paddy in Saharanpur district. On-farm trial was conducted to find out suitable high yielding paddy variety for better yield and income.

Source of technology: IARI, Pusa, New Delhi. Table: Performance of high vielding naddy varieties.

Treatments	No. of trial	Yield (q/ha)	% change in Yield	No of tillers/ plant	No. of plant effected/ 10sqm	Cost of cultivation (Rs./ha)	Gross income (Rs./ha)	Net Income (Rs./ha)	BC Ratio
T1: FP (PB-1)	05	41.2		6	17	36200	111240	75040	3.07
<i>T2: PB-1637</i>]	54.6	24.5	8	06	37500	147420	109920	3.93

Recommendation – In district Saharanpur kvk promoted paddy PB-1637 & farmers get yield 54.6 g/ha. in comparison to PB 1 yield 41.2 q/ha. yield was 24.6% higher in comparison to PB -1

Farmers reaction – Due to good yield, farmers much like PB-1637 variety.

OFT-6(*Kharif 2018*)

Problem definition: Low yield and income of wheat due to use of old varieties.

Technology Assessed: Evaluation of disease resistance & high yielding varieties of wheat in Saharanpur district. On-farm trial was conducted to find out suitable high yielding wheat variety for better yield and income

Source of technology: IARI, Pusa, New Delhi, & IIWBR, Karnal

Treatments	No. of trial	Yield (q/ha)	% change in Yield	No of tillers/ plant	No. of plant effected/ 10sqm	Cost of cultivation (Rs./ha)	Gross income (Rs./ha)	Net Income (Rs./ha)	BC Ratio
<i>T1: FP (PBW-502)</i>	05	50.20		6	7	37300	109200	71900	2.92
T2: HD-3059		62.40	19.55	10	0	37950	138600	100650	3.65
Rs. 1735/q & St	raw 450)/q							
					Photo				

Table: Performance of high yielding paddy varieties.

Recommendation:– Farmers sown the old variety PBW 502 get yield 50.20 q/ha. Newly variety (HD- 3059) sown & get yield 62.40q/ha. yield was increased 19.55%

Farmers reaction:- HD-3059 crop was showed lodging resistance.

OFT-7

LIVE STOCK ENTERPRISES

Problem definition: Low milk yield and income due to conventional ration feeding.

Technology: Assessment of conventional and Bye-pass animal feed to enhancing milk yield.

KVK, Saharanpur conducted trial to find out suitable animal feed for improving milk yield and income. In this trial **Bye-pass animal feed** shows better result and more effective than other animal feed.

Assessment of different animal feed

Treatments	No. of trial	No. of animals	Milk Yield (Lit./day)	% change in Yield	Cost of cultivation (Rs./day)	Gross income (Rs./day)	Net Income (Rs./day)	BC Ratio
Farmer's practice (Conventional feed)		10	11.2		380	470	90	1.24
Use of Bye-pass animal feed @ 4 kg/day/animal	01	10	13.9	19.4	310	630	320	2.03

Recommendation – The yield of milking is 11.2 lt./day due to conventional feed and under treated get the milk 13.9lt./day resulted increased yield milk production 19.4%.

Farmer reaction – Under scientific feed management farmers get the much milk yield.

OFT-8

Problem definition: High incidence of infertility in cows.

Technology: Assessment of UMMB animal feed supplementation to control the infertility

KVK, Saharanpur conducted trial to find out suitable remedies for improving heat synchronization and conception rate. In this trial UMMB and farmer practice assessed for thi problem. UMMB shows better result and more effective than other remedies.

Assessment of different mineral & feed supplements

J JJ	<u> </u>						
Technology Option	No.of	No. of	Cost in	No. of	No. of	No. of	Conception
	trials	animals	Rs./Animal	heat	serviced	pregnant	rate %

			for 120 days	animals	animals	animals	
Farmer's practice (salt)		10	390	1	1	1	10
Mi Use of UMMB@ 1 brick for 7 days/animal neral mixture with Receptol injection	01	10	605	8	8	6	60

Recommendation – Milch animals health & yield affected poor management study were taken to introduce the mineral mixture UMMB in this system. No. of pregnant animal was 6 in comparison to farmer practice 1. The conception rate increased 60%.

Farmer reaction –*Farmer like the technology with spend Rs.* 605/animal/120 day

II FRONTLINE DEMONSTRATION

a. List of technologies demonstrated during previous year (2017-18) and popularized during 2018-19 and recommended for large scale adoption in the district

S. No.	Crop/	Thematic	Technology demonstrated	Details of popularization methods suggested to	Horizonta	l spread of tec	hnology
	Enterprise	Area*		the Extension system	No. of villages	No. of farmers	Area in ha
1	Wheat	Weed management	Grassy weeds control through chlodinophop and met sulfuron in wheat	Kisan Gosthi, Extension functionaries training & Campaign	58	1402	4478
2	Paddy	Weed management	Grassy weeds control through bispyribac sodium 10% in paddy	Kisan Gosthi, Extension functionaries training & Campaign	51	1496	3712
3	Paddy	IDM	Sheath blight mgt. through Trichodermaharzianum	Awareness and Demonstration	57	948	955
4	Fodder	Popularization of nutrifeed fodder	Popularization of nutrifeed fodder	Kisan Gosthi, Extension functionaries training & Campaign	76	682	1675
5	Groundnut	IPNM in G nut	IPNM in Ground nut	Kisan Gosthi, Field, Extension functionaries training & Campaign	21	256	868
6	Ground-nut	IPM	Mgt. of white grub through B.bassiana	Awareness and Demonstration	7	145	92
7	Mustard	IPNM in mustard	IPNM mustard	Kisan Gosthi,Field, Extension functionaries training & Campaign	34	479	902
8	Onion	Varietal Introduction	Promotion of rabi & kharif onion variety	Kisan Gosthi,Field, Extension functionaries training & Campaign	251	883	1014
9	Guava	IPM	Management of fruit borer through Pheromone Methyeujinol lure(20Traps/ha), Lure change after 25 days interval at 3 times	Awareness and Demonstration	19	265	304
10	Sugar-cane	IPM	Application beauveriabassiana&Metarhizium for termite & white grub mgt.	Awareness and Demonstration	51	694	1512

b. Details of FLDs implemented during 2018-19

Frontline demonstration on oilseed

S. No.	Crop/Variety	Thematic area	Technology demonstrated	Season & Year	Are (ha)	a)	No. 0	f farmers/do	emo.	Reason for shortfall in
					Proposed	Actual	SC/ST	Others	Total	acmevement
1	Groundnut (TG-37 A) (FLD Budget)	ICM	Increase production of oilseed Groundnut through nutrient & weed mgt.	Kharif 2018	50.00	20.00	13	37	50	
2	Mustard(RH-749) CFLD	ICM	Increase production of oilseed mustard through nutrient & weed mgt.	Rabi 2018- 19	30.00	30.00	11	64	75	

Details of farming situation

S. No.	Crop	Season	Farming situation	Soil type		Status of soi	1	Previous crop	Sowing date	Harvest date	Seasonal rainfall	No. of rainy days
			(RF/Irrigated)		N	Р	K	r			(mm)	
1	Groundnut	Kharif 2018	Irrigated	Sandy	Low	Medium	Low	Wheat	13-20 June	6-9 Oct., 2018		
	(TG-37 A)			Loam					2018			
	(FLDBudget)											
2	Mustard	Rabi-2018-19	Irrigated	Loam	Medium	Medium	Low	Paddy	5-24 Oct.	13 March-7		
	(RH-749)								18	April		
	CFLD									2019		

Technical Feedback on the demonstrated technologies

S. N.	Сгор	Feed Back
1	Groundnut (TG-37 A)	i. Best response for the control of weeds through Imezathapar @ 1 kg/ha.
2	Mustard (RH-749)	i. Variety (RH-749) of Mustard is more productive comparison to other variety & Bold seed.
		ii. Less damage of blue bull of pulses if pulses production in cluster.

Farmers' reactions on specific technologies

S. N	Сгор	Feed Back
1	Groundnut (TG-37 A)	i. Farmers like groundnut grain due to rich oil content & sweetness.
2	Mustard (RH-749)	i. Variety (RH-749) of mustard farmers like this variety due to bold seed more oil contents.

Extension and Training activities under FLD

Sl. No.	Activity	No. of activities organized	Date	Number of participants
1	Groundnut (TG-37 A)			
	Farmers Training	01	07.06.2018	20
	Field days	01	11.08.2018	32
2	Mustard (RH-749)			
	Farmers Training	01	09.10.2018	23
	Field days	02	17.02.2019	78
			09.03.2019	

Performance of Frontline demonstrations

Frontline demonstrations on oilseed crops(Cluster Frontline Demonstrations)

Category &	Th	Name of the	No. of	Area		Yie	eld (q/ha)		%	Ot Para	her neters	Econom	ics of demor	stration (I	Rs./ha)	Econ	omics of cl	neck (Rs./h	a)
Crop	I nematic Area	technology	Farmers	(ha)		Dem	0	Check	in Viold	Domo	Chook	Gross	Gross	Net	BCR	Gross	Gross	Net	BCR
					High	Low	Average		III I ICIU	Demo	CHECK	Cost	Return	Return	(R / C)	Cost	Return	Return	(R / C)
Groundnut (TG-37 A)	ICM	Increase production of oilseed Groundnut through nutrient & weed mgt.	50	20	26.5	16.2	21.35	14.8	30.6	-	_	47500	121400	73900	2.55	40410	75000	27590	1.9
Mustard (RH-749)	ICM	Increase production of oilseed mustard through nutrient & weed mgt.	75	30	31.8	24.4	28.1	18.5	34.1	18	14	24600	103490	78890	4.2	22750	72800	50050	3.2



Groundnut seed distribution to farmers



Groundnut crop



Mustard Crop

Mustard crop

Frontline demonstration on pulse crops

Category & Crop	Thomatic Area	Name of the	No. of	Area		Yie	eld (q/ha)		% Change	Ot Parai	her neters	Econom	ics of demor	nstration (F	Rs./ha)	Ecor	10mics of cl	neck (Rs./ha	a)
& Crop	Thematic Area	technology	Farmers	(ha)		Dem	D	Check	in Vield	Demo	Check	Gross	Gross	Net	BCR	Gross	Gross	Net	BCR
					High	Low	Average		in riciu	Demo	CIICCK	Cost	Return	Return	(R /C)	Cost	Return	Return	(R / C)
Black Gram (Kharif 2018)	INM& WM	Increase production of pulses (Black gram) through nutrient & weed mgt.	50	20	12.8	8.6	10.7	9.3	13.0	-	-	19200	68300	49100	3.5	17800	44160	26360	2.4
Green Gram (IPM 2-3) (Kharif 2018)	INM& WM	Increase production of pulses (Green gram) through nutrient & weed mgt.	50	20	11.9	8.4	10.1	6.6	35.1	-	-	19650	68120	48470	3.46	18100	46200	28100	2.55
Lentil (Rabi 2018-19)	INM/Varietal	Increase production of pulses (Lentil) through nutrient & crop mgt.	50	20	26.7	22.5	24.6	17.4	29.3	-	-	24600	103500	78900	4.2	21850	73920	52070	3.3
Green Gram (IPM 2-3) (Summer 2019)	INM& WM	Increase production of pulses (Green gram) through nutrient & weed mgt.	25	10					Result awaited										



Blackgram seed distribution to farmers



Blackgram crop



Greegram crop



Greengram crop

FLD on other crops

S. No.	Crop/Variety	Thematic area	Technology demonstrated	Season & Year	Area	(ha)	No. 0	f farmers/de	emo.	Reason for shortfall in
					Proposed	Actual	SC/ST	Others	Total	achievement
	Cereals crops									
1	Paddy(PB-1)	WM	Weed management through Visparibac Sodium10% SC(Bisparibac Sodium 10% SC (Nominee gold) @80 gm/ demo.)	Kharif 2018	4.0	4.0	2	8	10	
2	Paddy(PB-1)	IDM	Neck blast mgt. through fungicides (Seed treatment Mancozeb+ Carbendazim@ 3 gm / kg seed & spray Tricylazole75WP@ 0.1%)	Kharif 2018	4.0	4.0	3	7	10	
3	Guava(L-49)	IPM	Management of fruit fly through Pheromone Methyelujinol lure(20Traps/ha), Lure change after 25 days interval at 3 times (Trap & Lure)	Kharif 2018	4.0	4.0	2	8	10	
4	Wheat(HD- 2967)	IDM	Yellow rust mgt. through seed treatment & fungicide spray(Mancozeb+Carbendazim@3gm/kg seed, Propiconazole@0.1%& Tebuconazole 25EC@0.1%)	Rabi 2018- 19	4.0	4.0	4	6	10	
5	Wheat(HD- 2967)	WM	Weed mgt. through Clodinophop+ Metsulfuron	Rabi 2018- 19	4.0	4.0	5	15	20	
6	White Button Mushroom(Strain Spawn)	Popularizati on of Mushroom	To demonstrate the yield potential & popularization of mushroom spwan	Rabi 2018- 19	05	05	2	3	5	
Com	mercial crop									
6	S.cane	IPM	Management of white grub with soil treatment through Baveria bassiana 2.5 kg/ha and Metarizianum 2.5 kg/ha.	Zaid 2018	4.0	4.0	2	8	10	

Details of farming situation

S.	Сгор	Season	Farming	Soil type	S	Status of so	oil	Previous crop	Sowing/	Harvest date	Seasonal	No. of
No.			situation		Ν	Р	K		Transplanting date		rainfall (mm)	rainy days
	Cereals Crops											
1	Paddy (PB-1)	Kharif 2018	Irrigated	Loam	L	М	L	Wheat	12-17 July, 18	6-13 Nov., 18		
2	Paddy(PB-1)	Kharif 2018	Irrigated	Loam	L	М	L	Wheat	12-16 July, 178	12-16 Nov., 18		
3	Guava(L-49)	Kharif 2018	Irrigated	Loam	L	М	L	Guava	27-30 May 2018	24 August 2018		
4	Wheat(HD-2967)	Rabi 2018-19	Irrigated	Loam	L	М	L	Paddy	16 Nov., 18	10 April, 19		
5	Wheat(HD-2967)	Rabi 2018-19	Irrigated	Loam	L	М	L	Paddy	13 Nov., 18	11 April, 19		
6	White Button Mushroom(Strain Spawn)	Rabi 2018- 19	Irrigated	Sandy Loam	L	М	L		5-7.11.2018	10.12.2018		
Comn	nercial crop											
7	s.cane	Zaid 2018	Irrigated	Loam	L	L	М	Mustard	16-23 March, 18	11-14 Feb 2019	_	-

Technical Feedback on the demonstrated technologies

S. N.	Сгор	Feed Back
	Cereals Crops	
1	Paddy(PB-1)	Right time application of herbicide more effective and good result.ii. It is highly effective herbicide in paddy field (2-3leaves stages in weeds).
		iii. Grains quality is batter due to no residual effect on crop and soil health.
2	Paddy (PB-1)	i. Proper Proper management of neck blast disease in treated plot.
3	Guava(L-49)	Lures continue tag 10 days before harvesting
4	Wheat(HD-2967)	Yellow rust more prevalence in Zin deficiency field
5	Wheat(HD-2967)	Good Combination clodinophop +metsulphorun
6		
	Commercial crop	
7	Sugarcane	Bio control should be applied before sowing and 3month after sowing

Farmers' reactions on specific technologies

S. N	Сгор	Feed Back
	Cereal Crops	
1	Paddy (PB-1)	i. Good quality of fungicides should be available in local level
2	Paddy (PB-1)	i. All weeds are kill
3	Guava(L-49)	i. Lures continue tag 10 days before harvesting
4	Wheat(HD-2967)	i. Yellow rust more prevalence in Zin deficiency field
5	Wheat (HD-2967)	i. Good Combination clodinophop +metsulphorun
6		
	Commercial crop	
7	Sugarcane	Termite and white grub insect not properly control without bio control

Extension and Training activities under FLD

S. N.	Сгор	Activity	No. of activities organized	Date	Number of participants	Remarks
	Cereals Crops					
1	Paddy (PB-1)	Farmers Training	01	14.10.2018	30	-
		Field days	01	12.7.2018	20	-
		Media Coverage	01	-	-	-
2	Paddy (PB-1)	Farmers Training	01	02.06.2018	20	
		Field days	01	16.10.2018	28	
		Media Coverage	01	02.10.2018	-	
		Extn. Functionaries	01	04.05.2018	10	-
3	Guava(L-49) Farmers Training		01	01.04.2018	20	-
		Field days	01	21.06.2018	30	-
		Media Coverage	01	26.01.2019	-	-
		Extn. Functionaries	01	05.08.2017	10	-
4	Wheat(HD-2967)	Farmers Training	01	20.10.2018	20	
		Field days	01	04.03.2019	25	
		Media Coverage	01	20.11.2018 18.02.2019	-	
	Extn. Functio		01	27.02.2019	12	-
5	Wheat (HD-2967)	Farmers Training	01	14.10.2018	32	
		Field days	01	02.11.2018	22	
		Media Coverage	01	-	-	

6	White Button Mushroom	Farmers Training	01			
		Field days	01			
		Media Coverage	01			
7	Sugarcane	Farmers Training	01	17.04.2018	20	
		Field days	01	22.02.2019	25	
		Media coverage	01	20.06.2018	-	
		Extn. Functionaries	01	23.09.2018	10	

Performance of Frontline demonstrations

Сгор	Thematic	Name of the	No. of	Area		Yiel	d (q/ha)		%	Other p	arameters	*Economi	ics of demo	nstration (F	Rs./ha)	*Eco	nomics of o	check (Rs./h	a)
	Area	technology	Farmers	(ha)		Demo)	Check	Increase	Demo	Check	Gross	Gross	Net	**	Gross	Gross	Net	**
		uemonsti ateu			Η	L	Avg.					Cost	Return	Return	BCR	Cost	Return	Return	BCR
Cereals																			
Paddy(PB-1)	WM	Weed management through Bispyribac Sodium 10%	10	4.0	64. 5	43.6	56.4	37.5	33.51	N weeds/s 40 3 % de	No. of 40 40 days 3 3 19 % decrease 84		152280	111880	3.7	39600	101250	61650	2.5
							ł – –			54 Sheat	84 Sheath blight		-						
										infe	Sheath blight infestation								
Paddy (PB-1)	IPM	Seed treatment Mancozeb+ Carbendazi m@3gm/kg seed & spray Tricylazole7 5WP @ 0.1%	10	4.0	56. 12	52.2	55.8	42.6	30.9	No. c affect 25 % C 56	of plant ed/10m2 11 Control 	40250	167400	127150	4.1	38100	127800	89700	3.3 5
Guava (L-49)	IPM	Management of fruit fly through Pheromone Methyelujin ol lure(20Traps /ha), Lure change after	10	4.0	36 5.2	302	345	302	14.2	-	-	27120	34500	317880	12.7	24503	302000	277497	12. 3

		25 days interval at 3 times																	
										Yell No. of p	ow rust blant/10m2	-							
Wheat (HD-2967)	IDM	Mancozeb+ Carbendazi m@3gm/kg seed, Propiconazol e@0.1%&Te buconazole <u>2</u> 5EC@0.1%	10	4.0	49. 2	46.3	47.7 5	38.2	25.0	5 59.3	12.3 change	29410	71625	42215	2.43	27852	57300	29449	2.0 6
Wheat (HD-2967)	WM	Weed management through clodinofop1 5% wp+Mets ulfuron Methyl 20% WP	20	8.0	66. 1	45.3	62.2	40.6	53.2	V pop No. of 1 % 94	Veed ulation weeds/m2 17 control 	33480	101075	67595	3.0	32840	65975	33135	2.0
White Button Mushroom	Populari zation of Mushro om	To demonstrate the yield potential & popularization of mushroom spwan	5 no	5 no	33. 2/ 10 0q	23	27.5	22	25	qt 27.5	./unit 22	105510	220000	114490	2.0	101205	176000	74795	1.7 3
Commercial c	rop	· -		•						•									
Sugarcane (Cos-88230)	IPM	B. bassiana and M.anisoplie for management of white grub and termite	10	4.0	10 68	865	925	810	14.1	27.5	15.7	153200	223200	70000	3.1	123800	189000	65200	1.5

FLD on Livestock

Category	Thematic area	Name of the	No. of	No.of Units	Major parameters		%	Other pa	arameter	Econ	omics of d	emonstrat	ion]	Economics	of check	
		technology	Farmer	(Animal/ Poultry/	(milk yie	(milk yield lit./day)		(Fat	t %)		(Rs.)/day/	animal			(Rs	.)	
		demonstrated		Birds, etc)	Demo	Check	in major	Demo	Check	Gross	Gross	Net	BCR	Gross	Gross	Net	BCR
							parameter			Cost	Return	Return	(R /C)	Cost	Return	Return	(R /C)
Milch animal	Fodder mgt.	Urea treatment of	5	5	6.8	6.1	10.2	3.9	3.8	320	535	215	1.67	300	495	195	1.65
	_	paddy/wheat straw for															
		quality enrichment															
Milch animal	Animal nutrient	Mineral & vitamin	10	10	17.5	15.2	13.12	6.4	5.9	360	650	290	1.8	300	545	245	1.5
	mgt.	supplementation															
Milch animal	Disease mgt.	De-worming	100	500	6.5	5.9	6.1	10%	40%	325	530	195	1.73	305	490	230	1.6
		campaigning						infectation	infectation								

Technical feedback:

- Urea treated wheat straw reduced the dry period of dairy animal.
 By using of calcium is improvement in the digestive efficiency of buffalo, which brings many direct & indirect benefits its.

Farmer's reaction:

- Urea treated wheat straw improve the animal health and digestibility for fodder.
 By using of calcium improvement in the utilization of dry fodder and low wastage of fodder by the animals.
 By using of calcium improvement in milk production and milk fat content as well as reproductive efficiency.

r LD on Other	chier prises															
Category	Name of the technology	No. of	No.of	Major par	rameters	% change	Other pa	rameter	Econom	ics of demor	nstration (R	ls.) or]	Economics	of check	
	demonstrated	Farmer	units			in major				Rs./u	nit			(Rs.) or H	ks./unit	
				Demo (yield)	Check	parameter	Demo	Check	Gross	Gross	Net	BCR	Gross	Gross	Net	BCR
									Cost	Return	Return	(R /C)	Cost	Return	Return	(R /C)
Button mushroom	Quality of Spawn (5 kg)	05	05	27.5 q/100 q of	19/100 q of	44.7	Good	Low	105510	220000	114490	2.08	101205	171000	99495	1.68
				compost	compost		shining	quality								
Value Addition to mango (RTS)	Cirtic acid, KMS & Yellow color	10	10	Shelf-life- 4 months	1 month	83	Texture improve	Normal	61	92	31	1.51	50.0	60.0	18.0	1.36
Preparation of aonla murrabba	Aonla murraba(Use of citric acid & Sugar)	10	10	Shelf-life- 4 months	1 month	75			58	75	17	1.29	46.0	52.0	6.0	1.13

FLD on Other enterprises

FLD on Kitchen Garden

No. of farmers :10Area:100 sqmCritical Inputs :Seed, Vegetable & fruits nursery

Observations:

Name of vegetable	Prod. (Kg.)	Prod. (kg.)	Rate	Income (Rs.)
	Kharif 2018	Rabi 2018-19	(Rs./kg)	
Bottle gourd	20 kg		10.00	200.00
Okra	18 kg		10.00	180.00
Pumpkin	12 kg		10.00	120.00
Bitter guard	8 kg		15.00	120.00
Methi (Kasturi)		12 kg	10.00	120.00
Spinach		16 kg	10.00	160.00
Radish		20 kg	5.00	100.00
Saljum		10 kg	10.00	100.00
Coriender		5 kg	20.00	100.00
	Total:			1200.00

Performance indicators:

- Season wise availability Sufficient for family need.
- ➢ Improvement of general health − Better
- Monthly saving Rs. 142.00/month

Observations:

- Season wise availability already given
- Diet intake of more vegetables.
- Saving in monthly house hold expenditure Rs. 142/month

Farmer's reaction and Feed back:

Farmwomen now get fresh vegetables with pesticides by using their leasure time.

FLD Photographs







White button mushroom



Guava



Button mushroom



Milch animal

Сгор	Thematic Area	Name of the technology demonstrated	No. of Demo.	No. of Farmers	Area (ha)	Avg. Yield	Check Yield	% Increase Yield	Economi	ics of demonstra	Rs./unit	Economics of check (Rs.) or Rs./unit				
						(Qt)			Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
PB -1	ICM	To demonstrated the yield potential in paddy variety	10	10	4.0	48.6	33.7	44.21	41500	152390	110890.00	3.67	40100	115700	75600.00	2.89
PB -1121	ICM	To demonstrated the yield potential in paddy variety	17	17	4.0	41.2	32.1	28.35	40725	168210	127485.00	4.13	35900	140500	104600.00	3.91
PB-1637	ICM	To demonstrated the yield potential in paddy variety	4	4	0.8	54.6	42.3	29.08	42600	158650	116050.00	3.72	40700	120400	79700.00	2.96
PB-1728	ICM	To asses yield potential in paddy variety	5	5	0.4	49.8	43.7	13.96	41250	154700	113450.00	3.75	39800	120600	80800.00	3.03

FLDs of National Extension Programme (NEP) Kharif-2018 (Paddy)





Paddy Crop

Crop	Thematic Area	Name of the technology demonstrated	No. of Demo.	No. of Farmers	Area (ha)	Avg. Yield	Check Yield	% Increase Yield	Economi	cs of demonstra	tion (Rs.) or 1	Rs./unit	Economics of check (Rs.) or Rs./unit				
						(Qt)			Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)	
HD- 2967	ICM	To demonstrated the yield potential in wheat variety	6	6	2.4	62.20	50.20	23.90	29580	72600	43020.00	2.45	28400	60100	31700.00	2.12	
HD-3086	ICM	To demonstrated the yield potential in wheat variety	6	6	2.4	61.30	50.20	22.11	32900	95250	62350.00	2.90	31100	80100	49000.00	2.58	
HD-3059	ICM	To demonstrated the yield potential in wheat variety	3	3	1.2	62.40	50.20	24.30	31400	77200	45800.00	2.46	30240	60400	30160.00	2.00	

FLDs of National Extension Programme(NEP) Rabi-2018 (Wheat)

III Training Programme

3.3 Training (Including the sponsored and FLD training programmes):

A) ON Campus

	No. ofNo. ofNo. ofOthersSC/ST							
	No. of		Others			SC/ST		~ 1
Thematic Area	Courses	201	Femal	Tot	Mal	Femal	Tot	Grand
		Male	е	al	e	е	al	Totai
(A) Farmers & Farm Women								
I Crop Production								
Integrated Crop Management	1	16	0	16	4	0	4	20
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	1	17	0	17	3	0	3	20
III Soil Health and Fertility Management								
Nutrient Use Efficiency	1	16	0	16	4	0	4	20
IV Livestock Production and Management								
Dairy Management	2	31	0	31	9	0	9	40
Disease Management	1	17	0	17	3	0	3	20
Feed management	1	18	0	18	2	0	2	20
V Home Science/Women empowerment								
High nutrition diet	1	0	16	16	0	4	4	20
SHG	1	0	17	17	0	3	3	20
Storage loss minimization techniques	1	0	15	15	0	5	5	20
Value addition	1	0	14	14	0	6	6	20
VI Agril. Engineering	0	0	0	0	0	0	0	0
VII Plant Protection								
Integrated Pest Management	2	34	0	34	6	0	6	40
Production of bio control agents and bio pesticides	1	16	0	16	4	0	4	20
Seed treatment	1	17	0	17	3	0	3	20
VIII Plant Breeding								
Seed production	1	17	0	17	3	0	3	20
IX Production of Inputs at site								
X Others (Pl. Specify)								
TOTAL	16	199	62	261	41	18	59	320
(B) RURAL YOUTH								
Mushroom Production	2	13	0	13	7	0	7	20
Seed production	2	16	0	16	4	0	4	20
Bio-control	1	7	0	7	3	0	3	10
Dairying	1	7	0	7	3	0	3	10
Poultry production	1	8	0	8	2	0	2	10
Piggery	1	7	0	7	3	0	3	10
Rural craft	1	0	8	8	0	2	2	10
Value addition	1	0	7	7	0	3	3	10
TOTAL	10	58	15	73	22	5	27	100
(C) Extension Personnel	0	0	0	0	0	0	0	0
Bio-fertilizer	1	8	0	8	2	0	2	10
TOTAL	1	8	0	8	2	0	2	10
G. Total	27	265	77	342	65	23	88	430

B) OFF Campus

		No. of Participants											
Thematic Area	No. of Courses		Others			SC/ST		Grand Total					
		Male	Female	Total	Male	Female	Total						
(A) Farmers & Farm Women													
I Crop Production													
Weed Management	1	16	0	16	4	0	4	20					
II Horticulture													

a) Vegetable Crops								
Micro irrigation	1	18	0	18	2	0	0	20
III Soil Health and Fertility								
Management								
Soil and Water Testing	2	34	0	34	6	0	6	40
IV Livestock Production and Managemen	nt	i	L					
Farming system	1	19	0	19	1	0	1	20
Dairy Management	3	53	0	53	7	0	7	60
Rabbit Management /goat	2	33	0	33	7	0	7	40
Disease Management	1	17	0	17	3	0	3	80
Feed & fodder management	3	52	0	52	8	0	8	60
Poultry management	1	18	0	18	2	0	2	20
V Home Science/Women empowerment			1		<u>.</u>			
Household food security	2	0	29	29	0	11	11	40
Design and development of low/minimum	1		17	1.6	0	4	4	20
cost diet	1	0	10	16	0	4	4	20
Designing and development for high	2	0	21	21	Δ	0	•	40
nutrient efficiency diet	2	0	51	51	U	9	9	40
Process & cooking	1	0	18	18	0	2	2	20
Rural craft	1	0	16	16	0	4	4	20
Storage loss minimization techniques	1	0	15	15	0	5	5	20
Value addition	1	0	15	15	0	5	5	20
Women empowerment	1	0	16	16	0	4	4	20
Location specific drudgery reduction	1	Δ	14	14	Δ	6	6	20
technologies	1	U	14	14	U	0	U	20
Women & Child care	1	0	15	15	0	5	5	20
VI Agril. Engineering	0	0	0	0	0	0	0	0
VII Plant Protection								
Integrated Pest Management	7	117	0	117	23	0	23	140
Integrated Disease Management	2	31	0	31	9	0	9	40
Bio-control of pests and diseases	1	15	0	15	5	0	5	20
Seed treatment	1	16	0	16	4	0	4	20
Mushroom production	1	17	0	17	3	0	3	20
VIII Plant Breeding								
Seed production	2	34	0	34	6	0	6	40
IX Production of Inputs at site								
X Others (Pl. Snecify)								
TOTAL	41	490	185	675	90	55	145	820
(B) RURAL VOUTH	- -	0	0	073	0	0	0	020
(C) Extension Personnel	•					0		
Integrated Pest Management	2	13	0	13	7	0	7	20
IDM	1	6	0	6	, 	0	4	10
IPNM	2	14	0	14	6	0	6	20
Management in farm animals	2	15	0	15	5	0	5	20
Animal health management	- 1	5	0	5	5	0	5	10
Soil & Water Testing	1	5	0	5	5	0	5	10
Kitchen garden	1	0	7	7	0	3	3	10
Women & Child care	1	1 0	, 5	, 5	0	5	5	10
TOTAL	1 11	58	12.	70	32	8	40	110
G. Total	52	548	197	745	122	63	185	930

C) Consolidated table (ON and OFF Campus)

				No.	of Par	ticipant	S	
Thomatic Area	No. of		Others			SC/ST	Γ	Crond
Thematic Area	Courses	Mala	Fema	l Tota	Mal	Femal	Total	Total
		Iviale	e	1	е	е	Total	IUtai
(A) Farmers & Farm Women								
I Crop Production								
Integrated Crop Management	1	16	0	16	4	0	4	20
Weed Management	1	16	0	16	4	0	4	20

II Horticulture			.					
a) Vegetable Crops								
Production of low volume and high value crops	1	17	0	17	3	0	3	20
Micro irrigation	1	18	0	18	2	0	0	20
III Soil Health and Fertility Management								
Nutrient Use Efficiency	1	16	0	16	4	0	4	20
Soil and Water Testing	2	34	0	34	6	0	6	40
IV Livestock Production and Management								
Dairy Management	5	84	0	84	16	0	16	100
Disease Management	2	34	0	34	6	0	6	40
Feed management	4	70	0	70	10	0	10	80
Farming system	1	19	0	19	1	0	1	20
Rabbit Management /goat	2	33	0	33	7	0	7	40
Poultry management	1	18	0	18	2	0	2	20
V Home Science/Women empowerment								
High nutrition diet	1	0	16	16	0	4	4	20
SHG	1	0	17	17	0	3	3	20
Storage loss minimization techniques	2	0	30	30	0	10	10	40
Value addition	2	0	29	29	0	11	11	40
Household food security	2	0	29	29	0	11	11	40
Design and development of low/minimum cost	4		1.6	1.6	•	4	4	20
diet	1	0	16	16	0	4	4	20
Designing and development for high nutrient	2	0	31	31	0	9	9	40
efficiency diet	4	-	10	10				•
Process & cooking	1	0	18	18	0	2	2	20
Rural craft	1	0	16	16	0	4	4	20
Women empowerment	1	0	16	16	0	4	4	20
Location specific drudgery reduction	1	0	14	14	0	6	6	20
technologies						_	_	•
Women & Child care	1	0	15	15	0	5	5	20
VI Agril. Engineering								
VII Plant Protection	0	1.7.1	0	24				100
Integrated Pest Management	9	151	0	34	29	0	29	180
Production of bio control agents and bio	1	16	0	16	4	0	4	20
pesticides	1	17		17				
Seed treatment	1	1/	0	1/	3	0	3	20
Integrated Disease Management	2	31	0	31	9	0	9	40
Bio-control of pests and diseases	1	15	0	15	5	0	5	20
Seed treatment	1	16	0	16	4	0	4	20
Mushroom production	1	17	0	17	3	0	3	20
VIII Plant Breeding								
Seed production	3	51	0	51	9	0	9	60
IX Production of Inputs at site								
TOTAL		(01	2.15	0.20	100	=0		1140
	5/	091	247	938	129	13	202	1140
(B) KUKAL YOUTH		12	0	12		0		20
Musifooni Production	2	15		15	/	0	/	20
Seed production	1	10	0	16	4	0	4	20
BIO-CONTROL	1		0	/	3	0	3	10
	1	/	0	/	3	0	3	10
Poultry production	1	8	0	8	2	0	2	10
Piggery	1	1		1	3	0	3	10
Kural craft	1	0	8	8	0	2	2	10
Value addition	1	0	1		0	3	3	10
TOTAL	10	58	15	73	22	5	27	100
(C) Extension Personnel		<u></u>		~	<u> </u>			
Bio-tertilizer	1	8	0	8	2	0	2	10
Integrated Pest Management	2	13	0	13	7	0	7	20
	1	6	0	6	4	0	4	10
IPNM	2	14	0	14	6	0	6	20
	-		-			~ `	_	a ()

Animal health management	1	5	0	5	5	0	5	10
Soil & Water Testing	1	5	0	5	5	0	5	10
Kitchen garden	1	0	7	7	0	3	3	10
Women & Child care	1	0	5	5	0	5	5	10
TOTAL	12	66	12	78	34	8	42	120
G. Total	79	815	274	1089	185	86	271	1360

Table. Sponsored training programmes

	No. of	No. of Participants											
Area of training	Course		General			SC/ST		Gı	and Tota	1			
g	5	Male	Female	Total	Male	Fe- male	Total	Male	Fe- male	Tota l			
Integrated crop and farm management (FTT)	1	38	2	40	10	0	10	48	2	50			
Wheather forcasting Awareness	1	82	8	90	12	0	12	94	8	102			
Spice production raining(SAU)	1	61	15	76	4	6	10	65	21	86			
Safe use of pesticide (HIL)	1	280	45	325	22	8	30	302	53	355			
Enviornment Gosthi	1	72	10	82	16	2	18	88	12	100			
Total	5	533	80	613	64	16	80	597	96	693			

Name of sponsoring agencies involved

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

					No	of Par	ticipants			
Area of training	No. of		General			SC/ST		(Grand Tota	al
Area or training	Courses	Male	Fe- male	Total	Male	Fe- male	Total	Male	Female	Total
			muic			marc				
Mushroom production	2	120	10	130	15	5	20	135	15	150

Training Photographs









IV. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
Advisory Services	546	461	85	546
Diagnostic visits	150	400	50	450
Field Day	41	1310	34	1344
Group discussions	15	375	50	425
Kisan Ghosthi	21	3750	500	4250
Film Show	40	600	75	675
Self -help groups	4	100	10	110
Kisan Mela	2	2550	150	2700
Exhibition	2	700	75	775
Scientists' visit to farmers field	350	550	60	610
Plant/animal health camps	1	400	50	450
Farm Science Club	4	100	10	110
Ex-trainees Sammelan	4	175	25	200
Farmers' seminar/workshop	4	220	40	260
Method Demonstrations	122	122	0	122
Celebration of important days	0	0	0	0
World Honey Day	1	106	8	114
World Soil Health Day	1	263	48	311
Special day celebration	0	0	0	0
Kisan Samman Diwas	1	413	56	469
Mahila Kisan Diwas	1	103	7	110
Exposure visits	5	210	11	221
Others (pl. specify)	0	0	0	0
Kharif Awareness Programme	1	263	15	278
Swacchta Hi Sewa Programme	1	133	9	142
Total	1317	13304	1368	14672

Extension Activities Photographs



Radio Tarks/programmes	272
TV Talks/show	2
Animal health camps (Number of animals treated)	1256
News Letter (Quartly) Krishi Takniki Sandesh	0
Training manual	2
Booklet	4
Research paper	3
Total	1762

M	Туре о	of Messages	;					
Message Type	Crop	Livestock	Weather	Marke-ting	Aware-ness	Other enterprise	Total	
Text only				•				
Voice only								
Voice & Text both	427	192	0	0	148	97	1728	
Total Messages	427	192	0	0	148	97	1728	
Total farmers Benefitted	427	192	0	0	148	97	1728	

V. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Number of KVKs	Types of Activities	No. of	Number of	Related crop/livestock	
Technology Week		Activities	Participants	technology	
	Gosthies	2	212		
	Lectures organised	12	345		
	Exhibition	1	324		
	Film show	19	456		
	Fair	1	298		
	Farm Visit	22	772		
	Diagnostic Practicals	8	556		
	Distribution of Literature (No.)	22	2465		
	Distribution of Seed (q)	18	62		
	Distribution of Planting				
	materials (No.)	11	20145		
	Bio Product distribution (Kg)	866	463		
	Bio Fertilizers (q)	15	205		
	Distribution of fingerlings	0	0		
	Distribution of Livestock				
	specimen (No.)	5	100		
	Total number of farmers visited				
	the technology week	2	1163		
	Total:	1004	27566		

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

Enterprise	Crop	Variety	Quantity (qtl.)	
CEREALS	Paddy	Pusa Sugandh-6, Pusa-1460, PPB-1509	683	
	Wheat	PBW-621, 550,HD -2967,PBW-590, WH-1105, DBW- 71 & DBW-88	712	
OILSEEDS	Mustard	Pusa Mustard-26, RP-9	298	
PULSES	Urd	PU-31	172	
Potato	Potato	Kufri Surya & Kufri Sutlaj	411	
Commercial crop	Sugarcane	Co-0238, Co-118 & CoS-5011	3602	
Total: 5				

* Above seed production will be done at farmer's field under the guidance of KVK Scientists

VI. Production of planting materials by KVKs

Сгор	Name of the crop	Name of the variety	Name of the hybrid	Number	Value (Rs.)	Number of farmers
Vegetable	Onion	Agrifound		4500	1000.00	17
seedlings		Light Red				

	Brinjal		Navkiran	1240	540.00	07
Fruits	Banana	Type-9		10 kg	250	10
Lemon Grass				200	100.00	50
Fodder Slips	Fodder	Hybrid napier Gini grass	Slips	2500	500.00	108
Medicinal and Aromatic	Neem plant			265	0.0	82
Total			8705	2390	274	

Production of Bio-Products

Bio Products	Name of the bio-product	Quantity	Value	No. of Farmers
		(kg.)	(Rs.)	
Vermi compost	Vermi compost	520	2600.00	227
	Worms	1	400.00	01
Bio-fungicide	B.bassiana	13	1690.00	13
	M.anisoplie	6	680.00	6
	T.harzianum	106	13780.00	106
Mushroom Spawn	Agaricus bisporus (White Button),	220	17600.00	110
	pleurotus, Calocybe			
Total		866	36750.00	463

VII. Details of Soil, Water and Plant Analysis:

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples tested	878	878	72	26340.00
Soil health card prepared		1643		
Total	878		72	26340.00

VIII. SCIENTIFIC ADVISORY COMMITTEE

Name of KVK	Number of SACs conducted
Saharanpur	01 (05.02.2019) (43 participants)

IX. NEWSLETTER/MAGAZINE : Nil

Name of News letter/Magazine	No. of Copies printed for distribution

X. PUBLICATIONS

Category	Number
Research Paper	03
Technical bulletins	02
Technical reports	18
Popular articles	22
Extension literature	15
Others (pl. specify)	
Booklet	04
Training manual	02

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

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

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

Introduction of alternate crops/varieties

Crops/cultivars	Area (ha)	Extent of damage	Recovery of damage through KVK
			initiatives if any
Paddy	45872	Disaster (823 ha)	652 ha Area
Wheat	55767	Hail Strom & Thunder	Surveys have been completed by revenue
		strom 1145 ha	deptt.

Major area coverage under alternate crops/varieties

Crops	Area (ha)	Number of
		Denenciaries
Pulses		
Urd (PU-31 & Sakher-1 etc)	3711.00	6812
Mung (Samrat & Pant mung-2 etc)	1142.00	1356
Lentil (PL-406)	1412.00	1824
Vegetable crops		
Onion (Agri found light & dark red)	997.00	1832
Early cauliflower (Sabur agrim & Pusa santhetic etc.)	857.00	1742
Bottle gourd (NDBGH-4/Pusa Naveen/Narendra Rashmi/Anokhi/Warad)	1172.00	1658
Bitter gourd (Aman/Chiyatayi/208/Chaman etc)	1010.00	1124
Cucumber (Malani/Chiyatayi/180/786 etc)	892.00	942
Flower Crops		
Tuber crops(Prajawal & Arka Nirantar)	387.00	502
Jarbera & Gladiolus	584.00	686
Commercial		
Potato(Kufri Khayati & Kufri Bahar etc)	1114.00	1702
Sugarcane		
Varieties(Co-0238, Co-0118, Co-5011 & CoS-7250, 1434)	13920.00	18942
Total	27198	39122

Farmers-scientists interaction on livestock management

Livestock components	Number of interactions	No.of participants
Vaccination and balance ration	31	612
Sterility management	01	142
Fodder management	03	85
Piggery management	04	42
Fishries management	02	24
Total	41	905

Animal health camps organised

Number of camps	No.of animals	No.of farmers
Two camps with support of Deptt. of Animal Husbandry	2182	1936
Total	1850	1702

Seed distribution in drought hit states

Crops	Quantity	Coverage of area (ha)	Number of farmers
Hybrid Napier grass slips	5112 no	25.00	142

Large scale adoption of resource conservation technologies:

Crops/cultivars and gist of resource conservation technologies introduced	Area (ha)	Number of farmers
Drum seeded rice paddy cultivation	278.00	257
Improved trench method of sugarcane	30425.00	4912

Awareness campaign

Details	Meetings Gosth		osthies	Field days		Farmers fair		Exhibition		Film show		
	No	No.of	No	No.of	No.	No.of	No.	No.of	No.	No.of	No.	No.of
		farmer		farmer		farmers		farmers		farmers		farmers
Disaster	12	374	25	1856	20	347	7	3394	4	1185	11	1093
mgt.,												
Unseasonal												
rain,												
Hailstrom												
& Cold												
waves												
Total	12	374	25	1856	20	347	7	3394	4	1185	11	1093

XIV. CASE STUDIES : Nil

XIV. AGRICULTURAL TECHNOLOGY INFORMATION CENTRE

A. Details on ATICs

S. No	Name of the ATIC	Name of the Host Institute	Name of the ATIC Manager
1	Saharanpur KVK	SVPUA&T, Meerut	Dr. I.K. Kushwaha

B. Details on Farmer's visit

S. No	Purpose of visit	Number of farmer's visited
01	Technology Information	1966
02	Technology Products	282
03	Others if any pl. specify	122

C. Facilities in the ATIC which are in operation

S. No	Particulars	Availability (Please $$	Number of ATICs
		mark)	
01	Reception counter		2
02	Exhibition / technology museum		1
03	Touch screen Kiosk		5
04	Cafeteria		1
05	Sales counter		1
06	Farmer's feedback register		1
07	Others if any (please specify)		2

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 mgt.	Disease mgt.	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		1822	123	372	711	214	246	119	106
02	Video shows		72							

03	Letters received								
04	Letters replied								
05	Training to farmers / technocrats / students	142	12	103	142	12	67	43	52
06	Others pl. specify								

D.2. Publications (Print & Electronic media): Nil

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	8.66	Quintals	36750.00	463
06	Others pl. specify				

F. Technology services provided

S. No	Particulars	Number of farmers benefited
01	Soil and water testing	1154
02	Plant diagnostics	1078
03	Details about the services to line Departments	61
04	Others if any (please specify)	112

ATIC(Agricultural Technology Information Centre) Activities Total budget : Rs. 8.00 Lakhs

SI. No.	Items	Expenditure (Rs. in lakh)	Status
1	Electronic items(LED, LapTop, LCD etc)	4.37	Completed
2	Furniture	0.80	Completed
3	Room repairing & finishing	2.40	Completed
	Total	7.57	

KVK Plan Expenditure during 2018-19

(Rs. in lakh)

S. No.	Items/Heads	Sanctioned grant	Grant received	Expend.	Closing Balance
Α.	Recurring Items				
1.	Pay & allowance	125.00	125.00	121.80	3.20
2.	Travelling allowances	1.20	1.20	0.96	0.24
3.	Contingencies	8.20	8.20	6.31	1.89
В.	Non-Recurring Items	0	0	0	
	Total (A)	134.40	134.40	129.07	5.33

Status of Revolving Fund

(in Rupees)

Financial Year	Opening Balance	Income	Expenditure	Closing Balance
2018-19	1274169.52	777017.00	411016.08	1640170.44

CRM Progress Report

Progress of the Paddy Straw Management of the Central Sector Scheme on "Promotion of Agricultural Mechanization and Machinery for In-Situ Management of Crop Residue in the States of Punjab, Haryana, Uttar Pradesh and NCT of Delhi"

Sl.	Name of Activities	Date	Duration	Venue	No. of
No.					participants
1	Kisan Mela	06.03.2019	01	Hasanpur	155
2	Kisan Mela	24.02.2019	01	KVK	229
3	Farmers training	1-5.11.2018	05	KVK	25
4	Farmers training	1-5.03, 2019	05	KVK	25
5	Farmers Scientists Interaction	6.11.2018	01	KVK	25
6	Farmers awareness	11.07.2018	01	KVK	50
	programme				
7	Farmers awareness	30.07.2018	01	Kheraafgan	42
	programme				
8	Farmers awareness	16.02.2019	01	KVK	64
	programme				
9	Womens farmers awareness	12.07.2018	01	KVK	52
	programme				
10	Extension Workers awareness	13.07.2018	01	KVK	48
	programme				
11	CRM SapathSammaroh	22.09.2018	01	KVK	118
12	School painting competition	01.10.2018	01	04 Blocks	918
13	Students awareness	14.10.2018	01	Sarsanwa	286
	programme				
14	Wall painting			09 Villages	50
15	Radio talk(CRS)			KVK	Mass
16	TV talk			Village	Mass
				level	
17	Video Clips				04
18	Hoardings places			12 places	Mass
19	Demonstrations	Rabi		Kanzi Bans	30

SUMMARY of CRMACTIVITIES

Procurement of agricultural machinery and equipment for in-situ crop residue management

State/ICAR KVKs	Name of machine to be procured	Target for June- Sept., 2018	Monthl y target	No. of machines procured	Total cost, Rs in lakhs
Saharanpur	Shrub master/ cutter cum spreader	1	1	1	51520
	Reversible M.B. Plough	2	2	2	209900
	Zero Till drill	1	1	1	53500

Result of CRM demonstration (wheat)

					···· · · · · · · · · · · · · · · · · ·			
Crop	Variety	Farmer yield	Demo (Qt/ha)	Increase (%)	Cost of cultivation	Gross income	BC ratio	No of field
		(Qt/ha)	yield	yield	(R s)	(Rs)		days
Wheat	HD	38.7	46.4	16.6	35800.00	85376.	3.38:1	04
	2967					00		

Publicity Through Print media



Publicity Through Literature & Print media



Special Programmes

Kharif Awareness Programme

Venue	Date	No. of participants
Different Villages & KVK	Kharif 2018	278



Soil Health Cards & Soil Testing Progress

No. of soil tested	No. of Soil Health Card	No. of Village covered	
800	1522	216	



World Soil Health Day Celebration on 5th Dec., 2018

Name of Events organized during Kisan Samman Diwas celebration	Name of Chairman	Name of DM/CDO	No. of Govt. Officials	No. of farmers participated	Total No. of Participants
Exhibition, Kisan	Hon'ble Sri Raghav	Smt. Renu Tiwari,	140	398	538
Gosthi, Kisan Mela,	Lakhanpal Sharma,	CDO, Saharanpur			
Farmers Scientist	MP, Saharanpur				
interaction and Soil					
Health Card					
distribution					





World Honey Day Programme

Venue	Date	No. of participants
Company Bagh, SRE	20.05.2018	114





Swachhta Hi Seva & Pakhwada Programme

Venue	Month	No. of participants
Different Villages & KVK	Sept. & Oct., 2018	142
	16-31 Dec., 2018	1172



Workshop on Export Quality Rice Production

To promote the export basmati rice KVK Saharanpur organized one day			
workshop on export quality rice production on dated 22.9.2018 at KVK Saharanpur.			
Venue	Date	No. of	Chief guest
		participants	-

		participants	
KVK Training	22.09.2018	115	Prof. Gaya Prasad, Hon'ble VC,
Hall,			SVPUA&T, Meerut
Saharanpur			Dr. S.K. Sachan, DE, SVPUA&T, Meerut





Skill Development Training Programme on Dairy Farming

To promote the enterpenureship among 20 youths KVK Saharanpur organized one Skill Development Training Programme on Dairy Farming (200 hrs) started from 25.10.2018



Skill Development Training Programme on Mushroom Growers

To promote the enterpenureship among 20 youths KVK Saharanpur organized one Skill Development Training Programme on Mushroom Growers (200 hrs) started from 24.12.2018



Skill Development Training Programme on Dairy Farming

To promote the enterpenureship among 20 youths KVK Saharanpur organized one Skill Development Training Programme on Dairy Farming (200 hrs) started from 11.01.2019







Mahila Kisan Diwas Programme

Venue	Date	No. of participants	Chief guest
KVK training Hall	15.10.2018	110	Sri Rajiv Kumar, DD(Ag.) Saharanpur



Planting Material Progress

No. of sapling raising	Distributed	Beneficiaries
20224	18245	258

