

KVK SAHARANPUR

ANNUAL REPORT (January 2020-December 2020)

APR SUMMARY

1. Training Programmes

Clientele	No. of Courses	Male	Female	Total participants
Farmers & farm women	34	662	18	680
Rural youths	6	55	5	60
Extension functionaries	7	70	0	70
Total	47	787	23	810
Sponsored Training	4	213	38	251
Vocational Training (Sponsored)	1	108	10	118

2. Frontline demonstrations

Enterprise	No. of Farmers	Area (ha)	Units/Animals
Oilseeds & Pulses(CFLD)	100	40.00	
Cereals	50	16.4	
Vegetables	0	0	
Fruit	10	4.00	
Total	160	60.40	
Livestock & Fisheries	35	0	35
Other enterprises	10	0	10
FLD under IARI, Pusa & DWR	38	14.30	
Total	83	14.30	45
Grand Total	243	74.70	37

3. Technology Assessment

Category	No. of Technology Assessed	No. of Trials	No. of Farmers
Technology Assessed			
Fruit	2	2	6
Livestock	2	2	8
Pusa D-Composer	1	1	15
Total	5	5	29

4. Extension Programmes

Category	No. of Programmes	Total Participants
Extension activities	1797	10380
Other Extension activities	241	2049
Total	2038	12429

5. Mobile Advisory Services

Name of KVK	Message Type	Type of Messages						Total
		Crop	Lives- tock	Weather	Marke- ting	Aware- ness	Other enterprise	
Saharanpur	Text only	341	148	54	0	112	37	
	Voice only	42	21	16	0	45	12	
	Voice & Text both	324	98	36	0	182	52	
	Total Messages	707	267	106	0	339	101	
	Total farmers Benefitted	7172	3012	2124	0	6248	3102	21658

6. Seed & Planting Material Production

	Quintal/Number	Value Rs.	Distributed to No. of farmers
Seed (q)			
Planting material (No.)	24150	2450.00	128
Bio-Products (kg)	1.5	19500.00	214
Livestock Production (No.)			
Fishery production (No.)			

7. Soil, water & plant Analysis

Type of Samples	No. of samples analysed	No. of Beneficiaries	Value Rs.
Soil	855	855	34850.00
Water			
Plant			
Total	855	855	34850.00

8. HRD and Publications

Sr. No.	Category	Number
1	Workshops	5
2	Conferences	2
3	Meetings	11
4	Trainings for KVK officials	3
5	Visits of KVK officials	9
6	Book published	0
7	Training Manual	0
8	Book chapters	2
9	Research papers	0
10	Lead papers	0
11	Seminar papers	1
12	Extension folder	6
13	Proceedings	2
14	Award & recognition	0
15	On going research projects	
16	Technical Calendar	
17	Technical Reports	12

DETAIL REPORT OF APR (Jan. 2020 to Dec. 2020)

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, KHAJURI BAGH, NEAR NUMAISH CAMP, NEW GOPAL NAGAR SAHARANPUR-247001 (U.P.)	0132-2664480	0132-2664480	kvksaharanpur01@gmail.com

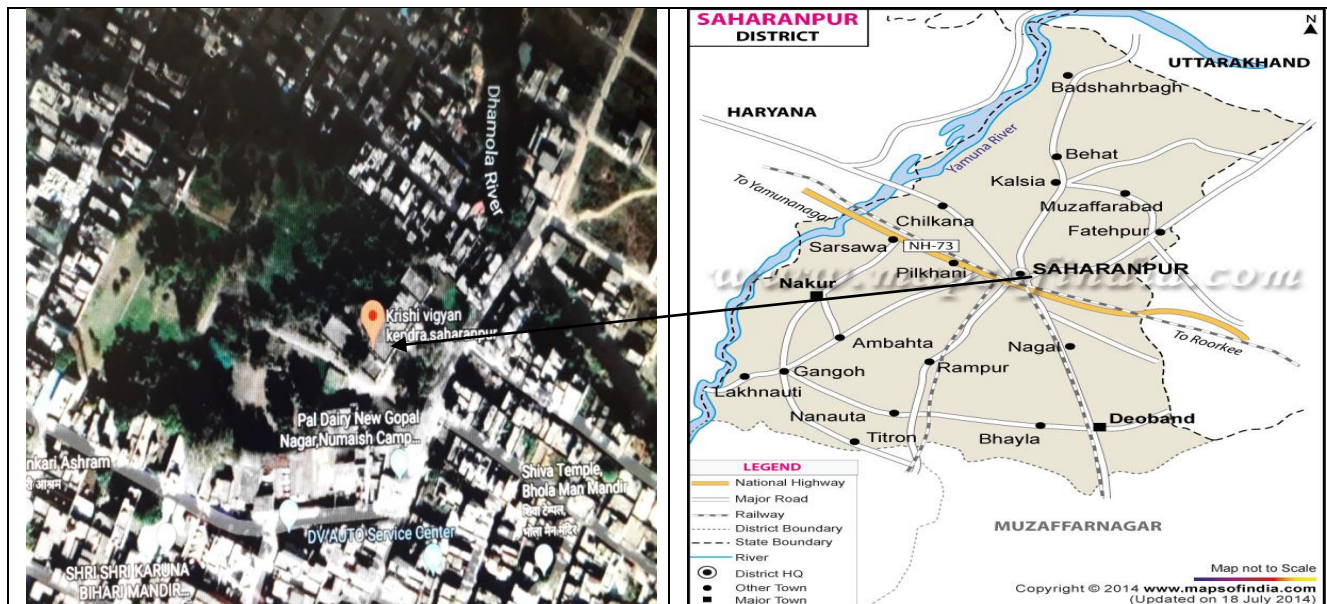
1.2 . Name and address of host organization with phone, fax and e-mail

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

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

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

1.4. Year of sanction: 1992



1.5. Staff Position (as on 31st December, 2020)

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.	Age	Email id
1	Subject Matter Specialist	Dr. I.K. Kushwaha	Professor (Plant Protection)/OIC	Ph.D (P.P.)	37400-67000	62420	10.04.1995	Permanent	OBC	9412376121	54	kushwahaik66@gmail.com
2	Subject Matter Specialist	Sh. Pramod Kumar	SMS/Asstt. Prof. (A.H)	M.Sc.(A.H)	15600-39100	31070	20.02.1995	Permanent	OBC	9311951646	48	pramodk201070@rediffmail.com
3	Subject Matter Specialist	Dr. Amarjeet Singh Rathi	SMS/Asstt. Prof. (Agronomy)	Ph.D (Agronomy)	15600-39100	32990	23.06.2008	Permanent	OBC	9411341621	45	asrathi78@yahoo.com
4	Subject Matter Specialist	Dr. Virendra Pal	SMS/Asstt. Prof. (A.H)	Ph.D (Horticulture)	15600-39100	33980	23.06.2008	Permanent	OBC	8755126620	45	dvpgangwar77@gmail.com
5	Programme Assistant	Dr. Virendra Kumar	Programme Assistant	Ph.D (Ag. Botany)	9300-34800	81200	04.12.1992	Permanent	OBC	9837712827	54	virendrakumar053@gmail.com
6	Computer Programmer	Sh. R. R. Dhaneshwar	Prog. Asstt. (Comp.)	PGDCA(2yr) & MCA	9300-34800	74300	27.10.1999	Permanent	SC	9927279434	44	rajdhaneshwar_152@yahoo.co.in
7	Accountant / Superintendent	Sh. Ashwani Kumar	O/S cum Acctt.	B.A	9300-34800	53600	30.07.2007	Permanent	SC	9897656491	47	ashwanikv@gmail.com
8	Stenographer	Sh. Sumit Kumar	Jr. Steno	BCA, LLB	5200-20200	40400	30.07.2007	Permanent	OBC	9412663575	39	
9	Driver	Sh. Sanjay Kumar	Driver	B.A	5200-20200	31400	30.07.2007	Permanent	GEN	9756909699	46	

10	Supporting staff	Sh. Sita Ram	Attendant	B.A	4440-7440	36400	22.12.1995	Permanent	GEN	9411033979	49	
11	Supporting staff	Sh. Ram Kumar	Peon/Security Guard	High school	4440-7440	31400	19.12.2003	Permanent	SC	8126023434	48	

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	Crop	0.90
4	Farm office & threshing floor	0.05
5	Guava orchard	1.000
Total:		10.109

1.7. Infrastructural Development:

A) Buildings

Sl. No.	Name of building	Source of funding	Stage				
			Complete			Incomplete	
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs. in lakh)	Starting Date	Status of construction
1.	Administrative Building	ICAR	April 2005	550 m ²	31.50	01.06.06	Completed
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 Units/IFS/ATIC (9)	ICAR	2008 & 2017	760 m ²		01.06.06 & 17.03.2017	Completed
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	186350	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 Stabiliser also two Toner	30.12.1999	66200.69	Not working
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	21.10.2000	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

क्र. स.	दिनांक	अधिकारियों/सदस्यों का नाम	सुझाव	अनुपालन आख्या
1	20.12.2019	डा० एस.के. सचान निदेशक प्रसार स.व.प. कृषि वि.वि.,मेरठ	कृषको के लिये मत्स्य पालन, सुकर पालन के प्रशिक्षण कृषि वि०वि०,मेरठ में कृषक हित में चलते रहते है कृषक प्रशिक्षणो से साम्बन्धित जानकारी वि०वि० एवं के०वी०के० से लेकर प्रशिक्षण प्राप्त कर सकते है।	के०वी०के० द्वारा सुकर पालन प्रशिक्षण के बाद 2 सुकर पालन यूनिटो को स्थापित किया गया।
2		श्री डी०एस० राजपूत संयुक्त निदेशक कृषि सहारनपुर मण्डल सहारनपुर	उ०प्र० के कुछ जनपदों में पान की खेती हो रही है जनपद सहारनपुर में भी पान की खेती पर कृषि विज्ञान केन्द्र एव कम्पनीबाग में टायल करे जिससे जनपद में पान की खेती की सम्भावना का परीक्षण किया जा सके।	कोविड-19 लाकडाउन के कारण पान खेती की पौध उपलब्ध नहीं हो सही। वर्ष 2021 में प्रयास किया जायेगा।
3		श्री सेठपाल सिंह प्रगतिशील कृषक	गन्ने में छेदक कीट नियंत्रक के लिये जैविक (टाईकोग्रामा कार्ड) के प्रशिक्षण रखे जाए।	गन्ने फसल में लगने वाले छेदक कीट नियंत्रण हेतु आन लाईन कृषक प्रशिक्षण आयोजित किये गये।
4		श्री मदन सिंह प्रगतिशील कृषक	कृषि विज्ञान केन्द्र व पशु पालन विभाग द्वारा जनपद में पशु मेला/गोष्ठी का आयोजन कराए।	कोरोना के कारण वर्ष 2020 में पशु गोष्ठी/मेला आयोजित नहीं किया गया। वर्ष 2021 में प्रयास किया जायेगा।
5		डा० एस.के. सचान निदेशक प्रसार स.व.प. कृषि वि.वि.,मेरठ	कृषि विज्ञान केन्द्र द्वारा केवल अनुमोदित (10 वर्ष के अन्दर) प्रजातियों का एफ.एल. डी. व ओ.एफ.टी.में लिया जाए।	एफ०एल०डी० के अन्तर्गत नवीनतम अनुमोदित प्रजाति सरसो की आर०एच०-0749 एवं मसूर की एल० 4717 का कृषक प्रक्षेत्रों में क्रमशः 50 एवं 20 प्रदर्शन लगाये गये।
6		डा० वाई०पी० सिंह अपर निदेशक पशुपालन	कृषको को यदि आमदनी बढ़ाना है वो पशुधन,बागवानी, भेड पालन, मुर्गी पालन, मत्स्य पालन,मौन पालन से सम्बन्धित प्रशिक्षण कृषि विज्ञान केन्द्र व वि०वि० से प्राप्त कर अपने यहा इनकी यूनिट स्थापित करे।	कृषि विज्ञान केन्द्र द्वारा कृषि आय को बढ़ाने के लिये रोजगारपरक प्रशिक्षण आयोजित किये गये और 15 यूनिटों की स्थापना की गई।
7		श्री सतवीर सिंह प्रगतिशील कृषक	जनपद सहारनपुर में मशरूम उत्पादन की काफी ईकाइया चल रही कृषको को स्पान उत्पादन तकनीकी पर प्रशिक्षण दिये जाए।	मशरूम स्पान तकनीकी प्रशिक्षण आयोजित किया गया। जनपद में वर्ष 2020 में एक मशरूम स्पान प्रयोगशाला की स्थापना भी की गई।
8		श्री सेठपाल सिंह प्रगतिशील कृषक	गन्ने की सी०ओ० 0238 में लाल सडन रोग की समस्या आयी है इस पर कृषको को जागरुक किया जाए एवं तकनीकी प्रशिक्षण आयोजित किये जाए।	गन्ने फसल में लाल सडन रोग प्रबंधन हेतु आन लाईन एवं आफ लाईन प्रशिक्षणों में कृषको को जागरुक किया गया।
9		श्री अरुण कुमार उपाध्याय उपआयुक्त अजीविका मिशन	अजीविका मिशन योजना अन्तर्गत कृषक एव ग्रामीण महिलाओं हेतु कार्यक्रम आयोजित किये जाते है जिसमें कृषि विज्ञान केन्द्र के वैज्ञानिको द्वारा भी तकनीकी जानकारी देने हेतु भाग लिया जाए।	पानी संसथान (आई०टी०सी०) एवं अन्य एन०जी०ओं के प्रशिक्षणों में वैज्ञानिकों द्वारा तकनीकी जानकारी दी गई।
10		डा० वाई०पी० सिंह अपर निदेशक पशुपालन	पशुपालन विभाग द्वार कृषक हित में चलायी जा रही योजनाओं की जानकारी कर लाभ प्राप्त कर सकते है।	समय-समय पर पशु पालन एवं के०वी०के० वैज्ञानिको द्वारा तकनीकी जानकारी दी गई।
11		श्री डी०एस० राजपूत संयुक्त निदेशक कृषि सहारनपुर मण्डल सहारनपुर	जनपद में मोती उत्पादन हेतु वातावरण अनुकूल है इस लिये कृषि विज्ञान केन्द्र सहारनपुर इनका उत्पादन परिक्षण कर जनपद में इसकी सम्भावना को तलाशे।	वर्ष 2021 में मोती उत्पादन हेतु प्रयास किया जायेगा।

12		निदेशक प्रसार व समस्त अधिकारीगण एवं प्रगतिशील कृषक	वैज्ञानिक सलाहकार समिति के मा0 सदस्यों द्वारा केन्द्र परिसर का भ्रमण किया उसमें प्रदर्शित तकनीकियों / माडलों, कॉफ कैफिटोरिया में लगायी गयी प्रजातियों का अवलोकन किया गया।	—
----	--	--	---	---

2. DETAILS OF DISTRICT (2020)

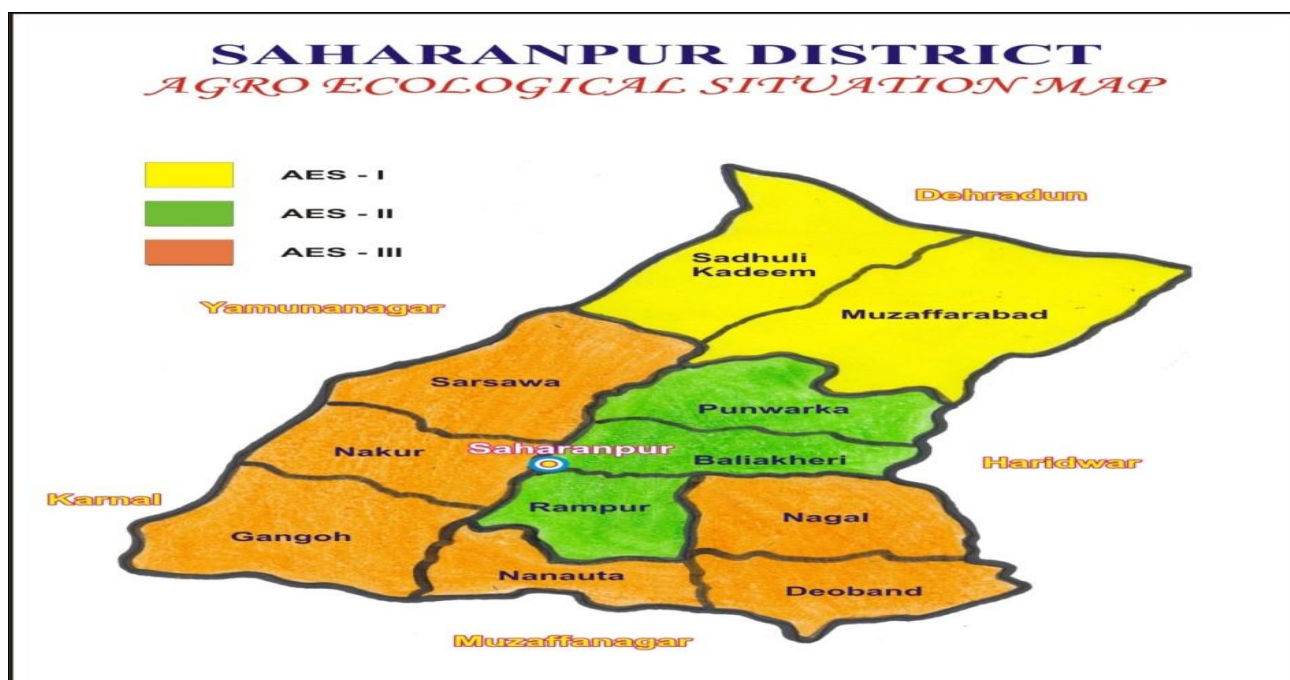
2.1 Major farming systems/enterprises (based on the analysis made by the KVK)

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.	I	More than 60 % of area rain fed, sandy and sandy loam	Maize, Wheat, Groundnut, Lentil, 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 WHC- Low Fertility – Very Low	44280.00
2	Sandy loam & Loam	Size- 0.02-0.002 mm	147706.00

		WHC- Medium Fertility – Medium	
3	Clay loam	Size- <0.002 mm WHC- High Fertility – High	81420.00
	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)
A	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
B	Spices		
1	Onion	215	21.00
2	Chilli	218	16.00
C	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)	Temperature °C		Relative Humidity (%)
		Maximum	Minimum	
Jan., 2020	20.6	18	8	75
Feb., 2020	22.7	19	8	75
March, 2020	32.5	25	12	72
April, 2020	1.50	32	22	65
May, 2020	13.70	38	25	65
June, 2020	11.10	42	32	53
July, 2020	202.40	40	30	66
Aug., 2020	296.50	37	24	65
Sept., 2020	322.20	35	21	62
Oct., 2020	42.50	32	21	53
Nov., 2020	18.00	27	11	55
Dec., 2020	14.00	25	7	52

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 (2020)

Sl. No.	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Baliya Kheri	Nandi Firozpur, Chhapredi, Hasanpur Bhalasuwa	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
2	Punwaraka	Punwarka, Budhha Khera Ahir, Chaurakhurd & Lakhnautikaln	Sugarcane, Wheat, paddy, Lentil, Urd, Mustard, 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
3	Nakur	Raniyala Dayalpur, Jaigehtha, Dadnor	Sugarcane, Wheat, paddy, Lentil, Urd, Mustard, 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
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, 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
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	Promoting seed production, IPNM, IPM, IDM, Proper health & nutrition management in animals, Promoting Vallabh Krishak Club, Resource Conservation Technologies, Improving technical skills

				knowledge, Marketing problem etc	
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 hygienic 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 hygienic 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 hygienic 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, Lentil, Brinjal, Mango, Cows & Buffaloes	Poor quality seed, Imbalance fertilizer application, No seed treatment, Improper plant protection majors, Imbalanced feeding in animals, Improper hygienic 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
10	Sadauli Kadeem	Rampur Badkala, Meerpur Thaska	Groundnut, Guava, 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 hygienic 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
11	Nanauta	Maheshpur, Hangawali, & Dalheri	Sugarcane, Wheat, paddy, Lentil, Brinjal, Mango, Poultry, Cows & Buffaloes	Poor quality seed, Imbalance fertilizer application, No seed treatment, Improper plant protection majors, Imbalanced feeding in animals, Improper hygienic 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

2.8 Priority thrust areas

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 2020

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.							
Sugarcane-Onion	1080.00	360.00	1480.00	134220.00	52100.00	1.42	

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	1230.00	350.00	1562.00	149120.00	106452.00	1.79	

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.							
Bottlegourd-Early Cauliflower-Green Gram	360.50	--	360.50	111050.00	154020.00	2.41	

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	620.00	11.5	620.00	134860.00	236120.00	2.78	

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	94.5	2280 lit.(milk)	94.5+2280	128190.00	158560.00	2.27	

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	121.50	27.10 qt.(milk)	148.50	139550.00	216410.00	2.57	

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	51	-	-	29130.00	75320.00	3.6	
Black Gram	9.8			15610.00	33230.00	3.2	
Rabi- Wheat	53			28940.00	24670.00	1.83	
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	56	-	-	30630	105340	4.39	
Black Gram	Guava(3year)	15.3		19004	49800	3.46	
Rabi- Wheat	58	-		33910	65220	2.92	
Live stok	100 Chicks	-	-	9540	17490	2.89	

3. TECHNICAL ACHIEVEMENTS

3.A. Details of target and achievements of mandatory activities by KVK during 2020

OFT (Technology Assessment and Refinement)				FLD (Oilseeds, Pulses, 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
8-10	5	--		--	91.00	200	270

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
PF Farmers	100	34	2000	680	2000	2083	4000	9063
Rural youth		6		60				
Extn. Functionaries		7		70				
Sponsored training		4		251				
Vocational RY Training		1		118				
Total	100	52	2000	1179	2000	2083	4000	9063

Seed Production (Qtl.)			Planting material (Nos.)		
5			6		
Target	Achievement	Distributed to no. of farmers	Target	Achievement	Distributed to no. of farmers
20	20	11	20,000	24150	112

I.A TECHNOLOGY ASSESSMENT

Summary of technologies assessed under various crops

Thematic areas	Crop	Name of the technology assessed	No. of trials	No. of farmers
Integrated Disease Management	Mango	Management of shoot gall maker (Psylliasp) insect in mango orchard	1	3
Integrated Disease Management	Mango	Management of shoot gall maker (Psylliasp) insect in mango orchard	1	3
Organic Farming	Intercropping	Assessment of Pusa de-composer for composting	1	15
Total:			3	21

Summary of technologies assessed under livestock :

Thematic areas	Name of the livestock enterprise	Name of the technology assessed	No. of trials	No. of farmers
Poultry	Poultry	Assessment of dual poultry breeds	1	5
Dairy Nutrient management	Buffalo	Assessment of UMMB animal feed supplementation to control the infertility	1	3
Total			2	8

I.B. TECHNOLOGY ASSESSMENT IN DETAIL INTEGRATED PEST MANAGEMENT

OFT-1 (Kharif 2019)

Problem definition: Yield loss of 25-50% 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 Western UP. However, there is high incidence of shoot gall maker (Psylliasp) insect in mango orchard resulting in yield loss. KVK Saharanpur conducted on-farm trial to assess the control measure. The assess technology of Thiomethoxam@1gm/lit.+Profenophos@2ml/lit. water , two spray 2& 14 August reduced the percentage of insect infestation from 36 to 05 and yield awaited.

Table Effect of Thiomethoxam+Profenophosin control of shoot gall maker (Psylliasp) insect in mango orchard

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)	03	24	187	--
Thiomethoxam@1gm/lit.+Profenophos@2ml/lit. water , two spray 2& 14 August.		6	232	19.4

Recommendation – The production increase due to spray of Thiomethoxam@1gm/lit.+Profenophos@2ml/lit and yield increase 23.4%.

Farmer reaction – Control of heavy incidence of shoot gall maker insect in mango orchard to spray Thiomethoxam@1gm/lit.+Profenophos@2ml/lit.

OFT-2 (Kharif 2020)

Problem definition: Yield loss of 25-50% 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 Western UP. However, there is high incidence of shoot gall maker (Psylliasp) insect in mango orchard resulting in yield loss. KVK Saharanpur conducted on-farm trial to assess the control measure. The assess technology of Thiomethoxam@1gm/lit.+Profenophos@2ml/lit. water , two spray 2& 14 August reduced the percentage of insect infestation from 36 to 05 and yield awaited.

Table Effect of Thiomethoxam+Profenophosin control of shoot gall maker (Psylliasp) insect in mango orchard

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)	03	25	Result awaited	--
Thiomethoxam@1gm/lit.+Profenophos@2ml/lit. water , two spray 2& 14 August.		3		--

OFT-3(Rabi 2020)

Particulars	Contents
Title	Assessment of Pusa de-composer for composting
Problem diagnosed	Long time for decomposition
Micro farming situation	Irrigated
Thematic area	Organic farming
Details of technology identified for solution	T1: No de-composer use(Farmer Practice) T2: Pusa de-composer
No. of farmers	15
Replications	15
Critical inputs	de-composer
Production system	Mixed farming
Source of technology	IARI & NCOF
Result awaited	

LIVE STOCK ENTERPRISES

OFT-4 :Assessment of dual poultry

Crop/Enterprise **Poultry**
Title Assessment of dual poultry breeds

Problem diagnosed Low income and un-employment

Farming situation Mixed farming

Thematic area Poultry

Details of technologies selected for assessment/refinement

T₁ Farmer's practice (Local breeds)

T₂ Van Raja

T₃ Karaknath

No. of famers/Chicks 05/150

Duration 1 year

Critical Input Chicks & feed

Result awaited

OFT-5 : OFT On UMMB(Urea Molasses Mineral Block) Animal Feed Supplementation

Crop/Enterprise **Cow**
Title Assessment of UMMB animal feed supplementation to control the infertility

Problem diagnosed High incidence of infertility in cows

Farming situation Mixed farming

Thematic area Dairy Nutrient management

Details of technologies selected for assessment/refinement

T₁ Farmer's practice (salt)

T₂ Use of UMMB@ 1 brick for 7 days/animal

No. of famers/Animals 03/10

Duration 120 days

Critical Input UMMB

Result awaited

II FRONTLINE DEMONSTRATION

a. List of technologies demonstrated during previous year and popularized during 2019 and recommended for large scale adoption in the district

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
1	Wheat	Weed management	Grassy weeds control through chlodinophop and met sulfuron in wheat	Kisan Gosthi, Extension functionaries training & Campaign	63	1615	5123
2	Paddy	Weed management	Grassy weeds control through bispyribac sodium 10% in paddy	Kisan Gosthi, Extension functionaries training & Campaign	58	1520	4010
3	Paddy	IDM	Sheath blight mgt. through Trichodermaharzianum	Awareness and Demonstration	59	1124	1014
4	Fodder	Popularization of nutrifeed fodder	Popularization of nutrifeed fodder	Kisan Gosthi, Extension functionaries training & Campaign	81	814	1824
5	Groundnut	IPNM in G nut	IPNM in Ground nut	Kisan Gosthi,Field, Extension functionaries training & Campaign	28	398	915
6	Ground-nut	IPM	Mgt. of white grub through B.bassiana	Awareness and Demonstration	9	187	110
7	Mustard	IPNM in mustard	IPNM mustard	Kisan Gosthi,Field, Extension functionaries training & Campaign	38	487	1005
8	Onion	Varietal Introduction	Promotion of rabi & kharif onion variety	Kisan Gosthi,Field, Extension functionaries training & Campaign	292	923	1118
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	21	310	389
10	Sugar-cane	IPM	Application beauveriabassiana&Metarhizium for termite & white grub mgt.	Awareness and Demonstration	57	789	1645

b. Details of FLDs implemented during 2020

Frontline demonstration on pulse crops(CFLD)

Crop	Thematic Area	Name of the technology	Variety	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												
Lentil	ICM	Improved variety, IPNM, IPM	PL-8	25	10	11.4	10.7	11.3	8.6	32.55	-	-	20000	55120	35120	3.6	19000	40500	21500	2.3
Lentil	ICM	Improved variety, IPNM, IPM	L-4717	25	10	Result awaited														

Frontline demonstration on oilseed crops(CFLD)

Crop	Thematic Area	Name of the technology	Variety	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												
Mustard	ICM	Improved variety, IPNM, IPM	RH-749	50	20	Result awaited														

FLD on other crops

S. No.	Crop/Variety	Thematic area	Technology demonstrated	Season & Year	Area (ha)		No. of farmers/demo.			Reason for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
Cereals crops/Fruits										
1	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 2019-20	6.0	4.0	3	12	15	
2	Guava(L-49)	IPM	Management of fruit fly through Pheromone Methyelujiol lure(20Traps/ha), Lure change after 25 days interval at 3 times (Trap & Lure)	Zaid 2020	4.0	4.0	2	8	10	
3	Paddy(PB-1)	IDM	Neck blast mgt. through fungicides (Seed treatment Mancozeb+ Carbendazim@ 3 gm / kg seed & spray Tricylazole75WP@ 0.1%)	Kharif 2020	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 2020-21	6.0	6.0	3	12	15	
5	White Button Mushroom(Strain Spawn)	Popularization of Mushroom	To demonstrate the yield potential & popularization of mushroom spawn	Rabi 2020-21	5	5	2	3	5	
6	Vegetable Pea(PS-10)	Popularization of Mushroom	To demonstrate the yield potential & popularization of vegetable pea	Rabi 2020-21	5	0.4	1	4	5	

Details of farming situation

S. No.	Crop	Season	Farming situation	Soil type	Status of soil			Previous crop	Sowing/Transplanting date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
					N	P	K					
Cereals Crops/Fruits												
1	Wheat(HD-2967)	Rabi 2019-20	Irrigated	Loam	L	M	L	Wheat	11-16 July, 19	6-13 Nov., 19		
2	Guava(L-49)	Zaid 2020	Irrigated	Loam	L	M	L	Guava	14-18 July, 20	13-17 Nov., 20		
3	Paddy(PB-1)	Kharif 2020	Irrigated	Loam	L	M	L	Paddy	25-29 May 20	23 August 2020		
4	Wheat(HD-2967)	Rabi 2020-21	Irrigated	Loam	L	M	L	Wheat	16 Nov., 20	Result awaited		
5	White Button Mushroom(Strain Spawn)	Rabi 2020-21	Irrigated	Loam	L	M	L	White Button Mushroom	15 Nov., 20	Result awaited		
6	Vegetable Pea(PS-10)	Rabi 2020-21	Irrigated	Loam	L	M	L	Vegetable Pea	12 Nov., 20	Result awaited		

Technical Feedback on the demonstrated technologies

S. N.	Crop	Feed Back
Cereals Crops/Fruit		
1	Wheat(HD-2967)	Yellow rust more prevalence in Zin deficiency field
2	Guava(L-49)	Lures continue tag 10 days before harvesting
3	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.

Farmers' reactions on specific technologies

S. N	Crop	Feed Back
Cereal Crops		
1	Paddy (PB-1)	i. Good quality of fungicides should be available in local level ii. All weeds are kill
2	Guava(L-49)	i. Lures continue tag 10 days before harvesting
3	Wheat(HD-2967)	i. Yellow rust more prevalence in Zin deficiency field
4	Paddy (PB-1)	i. All weeds are kill

Extension and Training activities under FLD

S. N.	Crop	Activity	No. of activities organized	Date	Number of participants	Remarks
Cereals Crops						
1	Wheat(HD-2967)	Farmers Training	01	22.10.2019	20	
		Field days	01	05.03.2020	25	
		Media Coverage	01	21.11.2019	-	
		Extn. Functionaries	01	27.02.2020	12	
2	Guava(L-49)	Farmers Training	01	02.04.2020	20	
		Field days	01	22.06.2020	30	
		Media Coverage	01	24.01.2020	-	
		Extn. Functionaries	01	03.08.2020	10	
3	Paddy (PB-1)	Farmers Training	01	15.10.2020	30	-
		Field days	01	17.7.2020	20	-
		Media Coverage	01	-	-	-
4	Wheat (HD-2967)	Farmers Training	01	15.10.2020	32	
		Field days	01	04.11.2020	22	
		Media Coverage	01	-	-	-
5	White Button Mushroom(Strain Spawn)	Farmers Training	01	11.10.2020	32	
		Field days	01	03.11.2020	22	
		Media Coverage	01	-	-	-
6	Vegetable Pea(PS-10)	Farmers Training	01	13.10.2020	32	
		Field days	01	02.11.2020	22	
		Media Coverage	01	-	-	-

Performance of Frontline demonstrations

Crop	Thematic Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)			% Increase	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)				
					Demo		Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR	
					H	L													Avg.
Cereals																			
Wheat (HD-2967)	IDM	Mancozeb+ Carbendazim@ 3gm/kg seed, Propiconazole @0.1%&Tebuc onazole 25EC@0.1%	15	6.0	66.7	63.6	65.7	42.0	56.4	5	12.3	43351	126472	83121	2.92	40265	80850	40585	2.0
Guava (L-49)	IPM	Management of fruit fly through Pheromone Methyelijinol lure(20Traps/h a), Lure change after 25 days interval at 3 times	10	4.0	351.2	340.8	349.5	300.7	16.2	-	-	37910	454350	416440	11.9	49062	390910	341848	8.5
Paddy (PB-1)	IPM	Carbendazim + Mancozeb @ 3gm/kg seed, Propiconazole @0.1%&Tebuc onazole25EC@ 0.1%	10	4.0	59.8	52.2	57.7	43.2	33.6			40751	108937	68186	2.67	39005	81561	42556	2.09
Wheat (HD-2967)	IDM	Carbendazim +Mancozeb @3gm/kg seed, Propiconazole @0.1%&Tebuc onazole25EC@ 0.1%	15	6.0							Result awaited								
White Button Mushroom(Strain Spawn)	Popul arizat ion of Mush room	To demonstrate the yield potential & popularization of mushroom spwan	5	5							Result awaited								
Vegetabl	Popul	To demonstrate the	5	0.4							Result								

e Pea (PS-10)	arizat ion of Mush room	yield potential & popularization of vegetable pea									awaited						
---------------	-------------------------	---	--	--	--	--	--	--	--	--	---------	--	--	--	--	--	--

FLD on Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of Units (Animal/ Poultry/ Birds, etc)	Major parameters (milk yield lit./day)		% change in major parameter	Other parameter (Fat %)		Economics of demonstration (Rs.)/day/animal				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)
Buffalow	Feed mgt.	Urea treatment of wheat straw	5	5	6.8	6.1	11.48	3.9	3.8	320	535	215	1.67	300	495	195	1.65
Cattle	Milk production	Mineral & vitamin supplementation	30	30	17.5	15.2	15.13	6.4	5.9	360	650	290	1.81	300	545	245	1.82

Technical feedback:

- Urea treated wheat straw reduced the dry period of dairy animal.

Farmer's reaction:

- Urea treated wheat straw improve the animal health and digestibility for fodder.

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 (yield)	Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Oyster mushroom	Quality of Spawn (5 kg)	10	10	29.2	22.1	32.13	Good shining	Low quality	123023	233600	110577	1.90	121560	176800	55240	1.45

FLDs of National Extension Programme (NEP) Rabi-2019-20 (Wheat)

Crop	Name of the technology demonstrated	No. of Demo.	No. of Farmers	Area (ha)	Avg. Yield (Qt)	Check Yield	% Increase Yield	B:C ratio
HD-2967	To demonstrated the yield potential in wheat variety	4	4	1.6	52.7	48.8	7.9	1.5
HD-3086	To demonstrated the yield potential in wheat variety	4	4	1.6	63.1	48.8	29.3	2.5
HDCSW-18	To demonstrated the yield potential in wheat variety	1	1	0.8	69.5	48.8	42.4	3.1
HD-3226	To demonstrated the yield potential in wheat variety	1	1	0.4	65.1	48.8	33.6	2.9
Palak (All green)	To demonstrated the yield potential in palak variety	2	2	0.2	250.0	185.0	35.0	1.8

FLDs of National Extension Programme (NEP) Kharif-2020 (Paddy)

Crop	Name of the technology demonstrated	No. of Demo.	No. of Farmers	Area (ha)	Avg. Yield (Qt)	Check Yield	% Increase Yield	B:C ratio
PB-1401	To demonstrated the yield potential in paddy variety	2	2	0.8	47.2	41.1	14.8	1.9
PB-1509	To demonstrated the yield potential in paddy variety	1	1	0.4	44.5	41.5	7.2	1.5
PB-1121	To demonstrated the yield potential in paddy variety	4	4	1.6	53.2	41.5	28.0	1.8

FLDs of National Extension Programme (NEP) Rabi 2020-21 (Wheat)

Crop	Name of the technology demonstrated	No. of Demo.	No. of Farmers	Area (ha)	Avg. Yield (Qt)	Check Yield	% Increase Yield	B:C ratio
HD-2967	To demonstrated the yield potential in wheat variety	1	1	0.4	-	-	Result awaited	-
HD-3086	To demonstrated the yield potential in wheat variety	2	2	0.8	-	-	Result awaited	
HD-3271	To demonstrated the yield potential in wheat variety	1	0.4	0.4	-	-	Result awaited	
HD-3226	To demonstrated the yield potential in wheat variety	2	2	0.8	-	-	Result awaited	

FLDs of DWR Programme Rabi 2019-20 (Wheat)

Crop	Name of the technology demonstrated	No. of Demo.	No. of Farmers	Area (ha)	Avg. Yield (Qt)	Check Yield	% Increase Yield	B:C ratio
Wheat (HPBW-01) Bio fertilized (Zinc 40.6+ Iron 40%)	To demonstrated the yield potential in paddy variety	5	5	2.0	59.2	40.2	47.0	2.2
HD-3226	To demonstrated the yield potential in paddy variety	7	7	2.5	58.7	40.2	46.0	1.9

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										
Resource Conservation Technologies										
Cropping Systems										
Crop Diversification										
Integrated Farming										
Micro Irrigation/irrigation										
Seed production										
Nursery management										
Integrated Crop Management										
Soil & water conservatioin										
Integrated nutrient management										
Production of organic inputs										
Others (pl specify)										
Total										
II Horticulture										
a) Vegetable Crops										
Production of low value and high valume crops										
Off-season vegetables										
Nursery raising										
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation										
Others (pl specify)										
Total (a)										
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 (pl specify)										
Total (c)										
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)										
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	1	15	0	15	5	0	5	20	0	20
Nutrient Use Efficiency										
Balance use of fertilizers										
Soil and Water Testing										
Others (pl specify)										
Total	1	15	0	15	5	0	5	20	0	20
IV Livestock Production and Management										
Dairy Management	2	38	0	38	12	0	12	40	0	40
Poultry Management	1	12	0	12	8	0	8	20	0	20
Piggery Management										
Rabbit Management										
Animal Nutrition Management	3	45	0	45	15	0	15	60	0	60
Disease Management	2	34	0	34	6	0	6	40	0	40
Feed & fodder technology	1	13	0	13	7	0	7	20	0	20
Production of quality animal products										
Others (pl specify)	2	32	0	32	8	0	8	40	0	40
Total	11	174	0	174	46	0	46	220	0	220
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										
Minimization of nutrient loss in processing										
Processing and cooking										
Gender mainstreaming through SHGs										
Storage loss minimization techniques										
Value addition										
Women empowerment										
Location specific drudgery reduction technologies										
Rural Crafts										
Women and child care										
Others (pl specify)										
Total										
VI Agril. Engineering										
Farm Machinery and its maintenance										
Installation and maintenance of micro irrigation systems										
Use of Plastics in farming practices										
Production of small tools and implements										
Repair and maintenance of farm machinery and implements										

Small scale processing and value addition										
Post Harvest Technology										
Others (pl specify)										
Total										
VII Plant Protection										
Integrated Pest Management	3	47	3	50	8	2	10	55	5	60
Integrated Disease Management	2	32	0	32	8	0	8	40	0	40
Bio-control of pests and diseases	1	15	0	15	5	0	5	20	0	20
Production of bio control agents and bio pesticides	2	26	3	29	8	3	11	34	6	40
Others (pl specify)	3	41	4	45	12	3	15	53	7	60
Total	11	161	10	171	41	8	49	202	18	220
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	350	0	350	92	8	100	442	18	460

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										
Resource Conservation Technologies										
Cropping Systems										
Crop Diversification										
Integrated Farming										
Micro Irrigation/irrigation										
Seed production										
Nursery management										
Integrated Crop Management										
Soil & water conservatioin										
Integrated nutrient management										
Production of organic inputs										
Others (pl specify)										
Total										
II Horticulture										
a) Vegetable Crops										
Production of low value and high valume crops										
Off-season vegetables										
Nursery raising										
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation										
Others (pl specify)										
Total (a)										
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 (pl specify)										
Total (c)										
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)										
III Soil Health and Fertility Management										
Soil fertility management										
Integrated water management										
Integrated Nutrient Management	1	15	0	15	5	0	5	20	0	20
Production and use of organic inputs	1	14	0	14	6	0	6	20	0	20
Management of Problematic soils										
Micro nutrient deficiency in crops										
Nutrient Use Efficiency										
Balance use of fertilizers	1	18	0	18	2	0	2	20	0	20
Soil and Water Testing	1	17	0	17	3	0	3	20	0	20
Others (pl specify)										
Total	4	64	0	64	16	0	16	80	0	80
IV Livestock Production and Management										
Dairy Management	3	45	0	45	15	0	15	60	0	60
Poultry Management										
Piggery Management										
Rabbit Management										
Animal Nutrition Management										
Disease Management										
Feed & fodder technology										
Production of quality animal products										
Others (pl specify)	1	13	0	13	7	0	7	20	0	20
Total	4	58	0	58	22	0	22	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										
Minimization of nutrient loss in processing										
Processing and cooking										
Gender mainstreaming through SHGs										
Storage loss minimization techniques										
Value addition										
Women empowerment										
Location specific drudgery reduction technologies										
Rural Crafts										
Women and child care										
Others (pl specify)										
Total										
VI Agril. Engineering										
Farm Machinery and its maintenance										
Installation and maintenance of micro irrigation systems										
Use of Plastics in farming practices										
Production of small tools and implements										
Repair and maintenance of farm machinery and implements										
Small scale processing and value addition										
Post Harvest Technology										
Others (pl specify)										

Total										
VII Plant Protection										
Integrated Pest Management	2	29	0	29	11	0	11	40	0	40
Integrated Disease Management										
Bio-control of pests and diseases										
Production of bio control agents and bio pesticides										
Others (pl specify)	1	11	0	11	9	0	9	20	0	20
Total	3	40	0	40	20	0	20	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	11	162	0	162	58	0	58	220	0	220
GRAND TOTAL	34	512	10	522	150	8	158	662	18	680

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										
Resource Conservation Technologies										
Cropping Systems										
Crop Diversification										
Integrated Farming										
Micro Irrigation/irrigation										
Seed production										
Nursery management										
Integrated Crop Management										
Soil & water conservatioin										
Integrated nutrient management										
Production of organic inputs										
Others (pl specify)										
Total										
II Horticulture										
a) Vegetable Crops										
Production of low value and high valume crops										
Off-season vegetables										
Nursery raising										
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation										
Others (pl specify)										
Total (a)										
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 (pl specify)										
Total (c)										
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)										
III Soil Health and Fertility Management										
Soil fertility management										
Integrated water management										
Integrated Nutrient Management	1	15	0	15	5	0	5	20	0	20
Production and use of organic inputs	1	14	0	14	6	0	6	20	0	20
Management of Problematic soils										
Micro nutrient deficiency in crops	1	15	0	15	5	0	5	20	0	20
Nutrient Use Efficiency										
Balance use of fertilizers	1	18	0	18	2	0	2	20	0	20
Soil and Water Testing	1	17	0	17	3	0	3	20	0	20
Total	5	79	0	79	21	0	21	100	0	100
IV Livestock Production and Management										
Dairy Management	5	83	0	83	17	0	17	100	0	100
Poultry Management	1	12	0	12	8	0	8	20	0	20
Piggery Management										
Rabbit Management										
Animal Nutrition Management	3	45	0	45	15	0	15	60	0	60
Disease Management	2	34	0	34	6	0	6	40	0	40
Feed & fodder technology	1	13	0	13	7	0	7	20	0	20
Production of quality animal products										
Others (pl specify)	3	45	0	45	15	0	15	60	0	60
Total	15	232	0	232	68	0	68	300	0	300
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										
Minimization of nutrient loss in processing										
Processing and cooking										
Gender mainstreaming through SHGs										
Storage loss minimization techniques										
Value addition										
Women empowerment										
Location specific drudgery reduction technologies										
Rural Crafts										
Women and child care										
Others (pl specify)										
Total										
VI Agril. Engineering										
Farm Machinery and its maintenance										
Installation and maintenance of micro irrigation systems										
Use of Plastics in farming practices										
Production of small tools and implements										
Repair and maintenance of farm machinery and implements										
Small scale processing and value addition										
Post Harvest Technology										
Others (pl specify)										
Total										

VII Plant Protection										
Integrated Pest Management	5	76	3	79	19	2	21	95	5	100
Integrated Disease Management	2	32	0	32	8	0	8	40	0	40
Bio-control of pests and diseases	1	15	0	15	5	0	5	20	0	20
Production of bio control agents and bio pesticides	2	26	3	29	8	3	11	34	6	40
Others (pl specify)	4	82	4	86	21	3	24	73	7	80
Total	14	201	10	211	61	8	69	262	18	280
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	34	512	10	522	150	8	158	662	18	680

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										
Training and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming										
Seed production										
Production of organic inputs	1	7	0	7	3	0	7	10	0	10
Planting material production										
Vermi-culture										
Mushroom Production	2	9	2	11	6	3	9	15	5	20
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	1	6	0	6	4	0	4	10	0	10
Sheep and goat rearing										
Quail farming										
Piggery	1	8	0	8	2	0	2	10	0	10
Rabbit farming										
Poultry production	1	7	0	7	3	0	3	10	0	10
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	6	37	2	39	18	3	21	55	5	60

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

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										
Training and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming										
Seed production										
Production of organic inputs	1	7	0	7	3	0	7	10	0	10
Planting material production										
Vermi-culture										
Mushroom Production	2	9	2	11	6	3	9	15	5	20
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	1	6	0	6	4	0	4	10	0	10
Sheep and goat rearing										
Quail farming										
Piggery	1	8	0	8	2	0	2	10	0	10
Rabbit farming										
Poultry production	1	7	0	7	3	0	3	10	0	10
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	6	37	2	39	18	3	21	55	5	60

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

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										
Integrated Pest Management	3	22	0	22	8	0	8	30	0	30
Integrated Nutrient management										
Rejuvenation of old orchards										
Protected cultivation technology										
Production and use of organic inputs	1	8	0	8	2	0	2	10	0	10
Care and maintenance of farm machinery and implements										
Gender mainstreaming through SHGs										
Formation and Management of SHGs										
Women and Child care										
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	1	7	0	7	3	0	3	10	0	10
Livestock feed and fodder production										
Household food security										
Any other (pl.specify)	2	17	0	17	3	0	3	20	0	20
TOTAL	7	54	0	54	16	0	16	70	0	70

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										
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										
Gender mainstreaming through SHGs										
Formation and Management of SHGs										
Women and Child care										
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										
Livestock feed and fodder production										
Household food security										
Any other (pl.specify)										
TOTAL										

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										
Integrated Pest Management	3	22	0	22	8	0	8	30	0	30
Integrated Nutrient management										
Rejuvenation of old orchards										
Protected cultivation technology										

Production and use of organic inputs	1	8	0	8	2	0	2	10	0	10
Care and maintenance of farm machinery and implements										
Gender mainstreaming through SHGs										
Formation and Management of SHGs										
Women and Child care										
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	1	7	0	7	3	0	3	10	0	10
Livestock feed and fodder production										
Household food security										
Any other (pl.specify)	2	17	0	17	3	0	3	20	0	20
TOTAL	7	54	0	54	16	0	16	70	0	70

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	1	30	5	35	8	2	10	38	7	45
Commercial production of vegetables										
Production and value addition										
Fruit Plants										
Ornamental plants										
Spices crops										
Soil health and fertility management	1	52	8	60	16	4	20	68	12	80
Production of Inputs at site	1	37	5	42	8	2	10	45	7	52
Methods of protective cultivation										
Others (pl. specify)	3	119	18	137	32	8	42	151	26	177
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	1	12	0	12	11	0	11	33	0	33
Animal Disease Management										
Fisheries Nutrition										
Fisheries Management										
Others (pl. specify)										
Total	1	12	0	12	11	0	11	33	0	33
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	4	131	18	149	43	8	51	174	26	200

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	1	9	0	9	12	0	12	21	0	21
Poultry farming	1	11	0	11	9	0	9	20	0	20
Others (pl. specify)										
Total	2	21	0	21	21	0	21	41	0	41
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	2	80	10	90	10	5	15	90	15	105
Nursery, grafting etc.										
Tailoring, stitching, embroidery, dying etc.										
Agril. para-workers, para-vet training										
Others (pl. specify)										
Total	2	80	10	90	10	5	15	90	15	105
Agricultural Extension										
Capacity building and group dynamics										
Others (pl. specify)										
Total										
Grand Total	4	101	10	111	31	5	36	132	15	147

IV. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
Advisory Services	498	570	35	605
Diagnostic visits	134	325	50	375
Field Day	15	230	30	260
Group discussions	1	50	5	55
Kisan Ghosthi	14	1700	150	1850
Film Show	9	205	40	285
Self -help groups	3	220	25	245
Kisan Mela	2	1725	110	1835
Exhibition	1	587	45	622
Scientists' visit to farmers field	62	390	0	390
Plant/animal health camps	1	187	10	197
Farm Science Club	2	75	5	80
Ex-trainees Sammelan	2	125	10	135
Farmers' seminar/workshop	5	211	15	226
Method Demonstrations	20	110	0	110
Celebration of important days	2	318	25	343
Special day celebration	2	284	30	314
Exposure visits	2	85	10	95
Kisan Samman Diwas	1	348	65	413
Mahila Kisan Diwas	1	55	0	55
World Soil Health Day	1	225	50	275
Farmers visit at KVK	157	240	50	290
Swachhta Pakhwada Abhiyan	7	410	60	470
Soil Health Cards Distribution	855	800	55	855
Total	1797	9475	875	10380

Details of other extension programmes

Particulars	Number
Electronic Media (CD./DVD)	2
Extension Literature	6
News paper coverage	78
Popular articles	9
Radio Talks	112
TV Talks	3
Animal health amps (Number of animals treated)	197
Total	407

Name of KVK	Message Type	Type of Messages						Total
		Crop	Lives-tock	Weather	Marke-ting	Aware-ness	Other enterprise	
Saharanpur	Text only	341	148	54	0	112	37	
	Voice only	42	21	16	0	45	12	
	Voice & Text both	324	98	36	0	182	52	
	Total Messages	707	267	106	0	339	101	
	Total farmers Benefitted	7172	3012	2124	0	6248	3102	21658

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
	Gosthies	2	287	
	Lectures organised	8	398	
	Exhibition	1	318	
	Film show	11	514	
	Fair	0	0	
	Farm Visit	8	356	
	Diagnostic Practicals	5	214	
	Distribution of Literature (No.)	11	2128	
	Distribution of Seed (q)	12	58	
	Distribution of Planting materials (No.)	7	20500	
	Bio Product distribution (Kg)	150	112	
	Bio Fertilizers (q)	5	92	
	Distribution of fingerlings	0	0	
	Distribution of Livestock specimen (No.)	0	0	
	Total number of farmers visited the technology week	1	522	
	Total:	221	25499	

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

Production of seeds: Nil

Production of planting materials

Crop	Name of the crop	Name of the variety	Name of the hybrid	Number	Value (Rs.)	Number of farmers
Commercial						
Vegetable seedlings						
	Onion		Agrifound Light Red	22550	1200	18
Fruits						
Guava						
Ornamental plants						
Medicinal and Aromatic						
	Lemon Grass	Local		250	100	25
Plantation						
Spices						
Tuber						

Fodder crop saplings						
Napier grass			Hybrid	2000	500	78
Forest Species						
Others						
Total				24800	1800	121

Production of Bio-Products

Bio Products	Name of the bio-product	Quantity (Kg)	Value (Rs.)	No. of Farmers
Bio Fertilisers	Vermi compost	1025	5125.00	205
Bio-pesticide	Beauveria bassiana	150	19500.00	112
	Metarrhizium anisoplae			
	T. harzianum			
Bio-fungicide				
Bio Agents				
Others	Mushroom spawn	20	1600.00	5
	Worms	0.75	300.00	1
Total		866	36750	463

Table: Production of livestock materials : Nil

VII. DETAILS OF SOIL, WATER AND PLANT ANALYSIS

Samples	No. of Samples	No. of Farmers	No. of Villages	Amount realized (Rs.)
Soil	855	784	203	34850.00
Water				
Plant				
Manure				
Total	855	784	203	34850.00

VIII. SCIENTIFIC ADVISORY COMMITTEE

Name of KVK	Number of SACs conducted
Saharanpur	02

IX. NEWSLETTER/MAGAZINE

Name of News letter/Magazine	No. of Copies printed for distribution
Technology Calender CRM	1250

X. PUBLICATIONS

Category	Number
Research Paper	9
Technical bulletins	4
Technical reports	8
Booklet	3
Book Chapter	3
Training manual	2
Extension Literature	8

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

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

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

Introduction of alternate crops/varieties: Nil

Crops/cultivars	Area (ha)	Extent of damage	Recovery of damage through KVK initiatives if any
Total			

Major area coverage under alternate crops/varieties: Nil

Crops	Area (ha)	Number of beneficiaries
Oilseeds		
Total		

Farmers-scientists interaction on livestock management

Livestock components	Number of interactions	No. of participants
Vaccination and balance ration	18	128
Sterility management	1	112
Fodder management	2	58
Piggery management	2	32
Fisheries management	1	32
Total	24	362

Animal health camps organised

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

Seed distribution in drought hit states

Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers
Hybrid Napier grass slips	2000 no	10.00	78
Total	2000 no	10.00	78

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	328.00	272
Improved trench method of sugarcane	31456.00	5598
Total	31784.00	5870

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
Disaster mgt., Unseasonal rain, Hailstrom & Cold waves	11	268	8	1214	9	182	2	2126	1	754	11	732
Total	11	268	8	1214	9	182	2	2126	1	754	11	732

XIII. DETAILS ON HRD ACTIVITIES

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

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

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

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

XIV. CASE STUDIES : Nil

XIV. AGRICULTURAL TECHNOLOGY INFORMATION CENTRE (2019)

A. Details on ATICs

S. No	Name of the ATIC	Name of the Host Institute	Name of the ATIC Manager
1	KVK Saharanpur	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	622
02	Technology Products	78
03	Others if any pl. specify	84

C. Facilities in the ATIC which are in operation

S. No	Particulars	Availability(Please √ mark)	Number of ATICs
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 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		1453	192	325	456	117	129	102	132
02	Video shows		14							
03	Letters received									
04	Letters replied									
05	Training to farmers / technocrats / students		91	9	13	28	5	9	14	13
06	Others pl. specify									

D.2 . Publications (Print & Electronic media)

S. No	Particulars	Number sold	Revenue generated in Rs.	Number of farmers benefitted
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 benefitted
01	Seeds		Quintal		
02	Planting materials	24150	Numbers	2450	128
03	Livestock		Numbers		
04	Poultry birds		Numbers		
05	Bio-products	150 kg	Quintals	19500.00	105
06	Mushroom spawn	20 kg	Quintals	1600.00	25
07	Vermi compost	1025 kg	Quintals	5125.00	205
08	Worms	0.75 kg	Quintals	300.00	1

F. Technology services provided

S. No	Particulars	Number of farmers benefitted
01	Soil and water testing	482
02	Plant diagnostics	
03	Details about the services to line Departments	2223
04	Others if any (please specify)	254

XVI Achievement of Special programmes

1) Achievement of skill development training funded by DAC&FW: N.A

S. N.	Name of QP/Job role	Duration (hrs)	No. of Courses Organised	No. of Participants						TOTAL	
				SCs/STs		Others		Total			
				Male	Female	Male	Female	Male	Female		
1	Agriculture Extension Service Provider	200									
2	Agriculture Machinery Demonstrator	200									
3	Agriculture Machinery Operator	200									
4	Agriculture Machinery Repair and Maintenance Service Provider	200									
5	Animal Health Worker	300	2	5	0	34	1	39	1	40	
6	Aquaculture Technician	200									
7	Aquaculture Worker	200									
8	Aquarium Technician	200									
9	Artificial Insemination Technician	400									
10	Assistant Gardener	200									
11	Beekeeper	200									
12	Brackwishwater Aquaculture Farmer	210									
13	Broiler Farm Worker	200									
14	Citrus Fruit Grower	200									
15	Community Service Provider	200									
16	Dairy Farmer - Entrepreneur	200									
17	Fish Seed Grower	210									
18	Floriculturist - Open cultivation	200									
19	Floriculturist - Protected cultivation	200									
20	Forest Nursery Raiser	200									
21	Freshwater Aquaculture Farmer	200									
22	Friends of Coconut Tree	200									
23	Greenhouse Operator	200									
24	Group Farming Practitioner	200									
25	Harvesting Machine Operator	200									
26	Hatchery (Fishery) Production Worker	200									

27	Layer Farm Worker	200								
28	Mango Grower	200								
29	Medicinal Plants Cultivator	200								
30	Micro Irrigation Technician	200								
31	Mushroom Grower	200	2	6	0	32	2	38	2	40
32	Nursery Worker	200								
33	Organic Grower	200								
34	Ornamental Fish Technician	200								
35	Packhouse Worker	200								
36	Quality Seed Grower	200								
37	Seed Processing Plant Technician	200								
38	Sericulturist	200								
39	Service and Maintenance Technician-Farm Machinery	205								
40	Shrimp Farmer	240								
41	Small poultry farmer	240								
42	Soil & Water Testing Lab Analyst	240								
43	Soil & Water Testing Lab Assistant	200								
44	Supply Chain Field Assistant	200								
45	Tea Plantation Worker	200								
46	Tractor Operator	200								
47	Vermicompost Producer	200								
TOTAL										

2) Achievements under Crop Residue Management (CRM) Project by KVKs

a) CRM Machinery procured by KVKs

	Name of the Machine/ Equipment	No. of machines procured
	Happy Seeder	
	Reversible M.B. Plough	2
	Paddy Straw Chopper/ Shredder / Mulcher	
	Zero Till Drill	1
	Rotavator	
	Shrub master/Cutter Inspeader	1
	Total	4

b) IEC activities organized under CRM Project by KVKs

S. No.	Name of IEC activity	No. of activities	No. of Participants
1.	Kisan Melas organized	1	357
2.	Awareness programmes conducted at Village Panchayat/ Block/ District Level	7	523

3.	Mobilization of schools and colleges through essay completion, painting, debate etc.	6	459
4.	Demonstration conducted (ha)		
5.	Training Programmes conducted	4	198
6.	Exposure visits organized	2	30
7.	Field /harvest days organized	8	187
Total			

b) Other IEC activities organized under CRM Project by KVKs:

S. No.	Name of IEC activity	No. of activities
1.	Advertisement in Print media	0
2.	Column / Articles in newspaper and magazines etc.	11
3.	Hoarding fixed (at Mandi/ Road side/Market/ Schools/ Petrol pump/ Panchayat etc.)	87
4.	Poster/Banner placed	22
5.	Publicity material - leaflets/ pamphlets etc. distributed	2000
6.	TV programmes/ panel discussions Doordarshan/ DD-Kisan and other private channels	18
7.	Wall writing	122
Total		2260

3) Achievement of TSP (Tribal Sub Plan): N.A

Farmer Training		Women Farmer Training		Rural Youths		Extension Personnel		Number of farmers involved			Participants in extension activities	Production of seed	Production of Planting material	Production of Livestock strains	Production of fingerlings (Number)	Testing of Soil, water, plant, manures samples
No. of Trainers/D	No. of Farmers	No. of Trainers/D	No. of Women	No. of Trainings/D	No. of Youth	No. of Trainings/D	No. of Ext. Person	On-farm	Frontline	Mobile agro-advisory to						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

4) Achievement of KSHAMTA (Knowledge Systems And Home Based Agricultural Management in Tribal Areas): N.A

Number of Adopted Villages	No. of Activities		No. of farmers benefited	
	Demo	Training	Demo	Training

5) Achievements of SCSP KVKs : N.A

Farmer Training		Women Farmer Training		Rural Youths		Extension Personnel		Number of farmers involved			Participants in extension activities	Production of seed (q)	Production of Planting material	Production of Livestock strains	Production of fingerlings (Number)	Testing of Soil, water, plant.
No. of Trainers/D	No. of Farmers	No. of Trainers/D	No. of Women	No. of Trainings/D	No. of Youths	No. of Trainings/D	No. of Ext. Person	On-farm trials	Frontline demos	Mobile agro-advisory to						

6) Achievement under IFS KVKs

Sl. No.	IFS (Component Name)	No. of IFS established	Area (ha)	Number of Activities		No. of farmers benefited	
				Demo	Training	Demo	Training
1							
2							

7) Achievements under Mera Gaon Mera Gaurav (MGMG) project: N.A

No. of institutes/universities involved	Total No of Groups/team formed	No. of Scientists Involved	No. of villages covered	No. of field activities conducted	No. of messages/ advisory sent	Farmers benefited (No.)

8) Achievements of Farmers FIRST programme

NRM Module		Crop Module		Horticulture Module		Livestock & Poultry			IFS Model		Extension Activities	
Demo n.	No Farm Families	Demo n.	No Farm Families	Demon.	No Farm Families	Demo n.	No Farm Families	No of Animals	Demo n.	No Farm Families	No. of prog	Farmers

9) Activities performed under NARI programme: N.A

Activities	Number of activity	No. of farmers/beneficiaries
OFTs - Nutritional Garden (activity in no. of Unit)		
OFTs - Bio-fortified Crops (activity in no. of Unit)		
OFTs - Value addition (activity in no. of Unit/Enterprise)		
OFTs - Other Enterprises (activity in no. of Unit/Enterprise) (activity in no. of Unit/Enterprise)		
FLDs - Nutritional Garden (activity in no. of Unit)		
FLDs - Bio-fortified Crops (activity in no. of Unit)		
FLDs - Value addition (activity in no. of Unit/Enterprise)		
FLD- Other Enterprises (activity in no. of Unit/Enterprise) (activity in no. of Unit/Enterprise)		
Trainings		
Extension Activities		
Grand Total		

10) Achievements of Soil, water, plant and manure samples analyzed by KVKs and soil health cards issued

Sample	No. of Samples in lakh	No. of Farmers in lakh	No. of Villages in lakh	Amount realized (Rs. in lakhs)	No. of Soil Health Cards issued (lakhs)
Soil					
Water					
Plant					
Manure					
Total					

11) Achievements under NICRA Project: N.A

NRM		Crop production		Livestock & Fisheries			Capacity Building		Extension Activities	
Demo	Area (ha)	Demo	Area (ha)	Demo	Area (ha)	No. of animals	No of Courses	Farmers	No. of programmes	Farmers

12) Achievements under ARYA Project

Name of entrepreneurial units	No. of entrepreneurial units established	No. of Training programs organised	No. of rural youth trained		No. of youth established units	
			Male	Female	Male	Female
Mushroom production						
Fruits and vegetable processing units,						
Horticulture nursery						
Fish farming						
Poultry						
Goat farming						
Piggery						
Duck farming						
Bee keeping						
Others if any						

13) Achievements under Rainwater Harvesting Structure

Sr. No.	Activities	Number
1	Training programmes	11
2	Demonstration	8
3	Plant materials produced	
4	Visit by farmers	387
5	Visit by officials	27

14) Achievements under Pulses Seed Hub programme: N.A

Season/Crop	Name of Pulse crop	Variety	Production			Category of seed (F/S, C/S)
			Target (q)	Area sown (ha)	Actual Production (q)	
Kharif	Black gram					
	Green Gram					
	Pigeon pea					
Total (Kharif)						
Rabi	Chick pea					
	Field pea					
	Lentil					
Total (Rabi)						
Summer	Black gram					

Total (Summer)						
Grand Total						

15) NEMA (New Extension Methodologies and Approaches): N.A

Name of Crop with variety	No. of districts	No. of Villages selected	No. of Blocks	No. of household selected	
				Adapter household	Non adapter household

16) Achievements under CSISA (Cereal System Initiative for South Asia) project: N.A

S.No.	Name of Programme	Number/quantity
1	Plantation by paddy uppulling	
2	DSR	
3	Laser leveler	
4	Training	
5	Kisan Mela	
6	Seminar	
7	Seed production (q)	

17) Achievements under NIFTD (National Initiatives for fodder technology demonstrations): N.A

Name of fodder	Variety	Production (q)	Training courses	No. of farmers benefitted

18) Achievements under Swachhata Abhiyan Mission

S.No.	Items	No. of Programmes	No. of persons participated
1	Toilet maintenance		
2	Road, drain cleaning		
3	Garbage disposal		
4	Door to door awareness		
5	Awareness campaign		
6	Nookkad Drama		
7	School Drama		
8	School rally		
9	Writing painting slogans		
10	Composting		
11	Other		

19) Achievements under Aspirational District Scheme: N.A

Name of programme	Number
Training	
Session No.	
No. of farmers	
Officers/staff involved	
Seed & Plant Distribution	
Programme number	
Seed distribution in q	
No. of plant distributed	
Biological products distributed	
No. of programme organised	
No. of farmers	
Officers/staff involved	
Animal husbandra & fish distribution programme	
Vaccination	
Medicine for control of parasite	
Distribution of mineral mixture	
No. of farmers	
Officers/staff involved	

XVI Awards

S.No.	Name of Award received	Name of KVK/farmer	Year of Award	Date on which award received

Note: Please also mention name of farmer who received the award.

कृषि विज्ञान केन्द्र, सहारनपुर
25वीं वैज्ञानिक सलाहकार समिति की बैठक दिनांक 16.12.2020

क्र.स.	नामित सदस्य	अधिकारी का पद
1	श्री निखिल त्यागी	सदस्य प्रबन्ध परिषद
2	डा० जय सिंह	पूर्व निदेशक आई०सी०ए०आर०
3	डा० आई०के० कुशवाहा	प्रोफेसर एवं प्रभारी अधिकारी / सचिव
4	श्री डी.एस. राजपूत	संयुक्त निदेशक कृषि सहारनपुर मण्डल
5	डा० राकेश बाबू	उपनिदेशक कृषि सहारनपुर मण्डल
6	श्री क्षतेज कुमार	सी.डी.एम. पंजाब नैशनल बैंक
7	श्री राम जतन मिश्र	उप निदेशक कृषि
8	श्री धीर कुमार सिंह	जिला कृषि अधिकारी
9	श्री अमित कुमार शर्मा	मत्स्य विकास अधिकारी
10	डा० अखिलेश गुप्ता	प्रतिनिधि जिला पशुचिकित्सा अधिकारी सहारनपुर
11	श्री नरेश कुमार शर्मा	एस०एम०एस० कृषि विभाग
12	डा० आई०पी०सिंह नायक	एडीसनल डायरेक्टर, पशुपालन विभाग
13	श्री सुशील कुमार त्यागी	पशु धन प्रसार अधिकारी
14	श्री मनीष कुमार	डी०डी०एम०नावार्ड
15	डा० वाई०पी० सिंह	सी०डी० आई० गन्नाविभाग
16	श्री भानू प्रकाश राम	संयुक्त निदेशक राजकीय आद्यानिक प्रयोग एवं प्रशिक्षण केन्द्र कम्पनी बाग
17	श्री रवि प्रकाश	एस०एच०आई० उद्यान विभाग सहारनपुर
18	डा० मो० राजिक	प्रतिनिधि जिला कृषि रक्षा अधिकारी सहारनपुर
19	श्री सत्यवीर सिंह	सदस्य प्रगतिशील कृषक (मशरूम उत्पादक)
20	श्री गजेन्द्र राठी	पी०सी० पानी संस्थान आई०टी०सी०
21	श्री कर्मवीर सिंह	सुपरवाइजर आई०टी०सी०
22	श्री कुलदीप सिंह	प्रगतिशील कृषक
23	श्री सेठपाल सिंह	प्रगतिशील कृषक
24	श्री सुधीर सैनी	प्रगतिशील कृषक(रोयल फुडस लि०)
25	श्री मदनलाल सैनी	प्रगतिशील कृषक(एम०डी० एफ०पी०ओ०)
26	श्री भारत भूषण	प्रगतिशील कृषक(जैविक उत्पादन)
27	श्री विपिन परमार	प्रगतिशील कृषक
28	श्री अजीत सिंह	प्रगतिशील कृषक
29	श्रीमति मन्जू	सदस्य प्रगतिशील महिला कृषक
30	श्री अनुराग सिंह	प्रगतिशील कृषक(मैसर्स अनुराग मशरूम फार्म)
31	श्री रोहित कुमार	प्रगतिशील कृषक(पिग फार्मर्स)
32	श्री मैनपाल सिंह	प्रगतिशील कृषक(जैविक गुड उत्पादक)
33	श्री ओपेन्द्र कुमार	प्रगतिशील कृषक
34	श्री राविन्द्र तोगडीया	प्रगतिशील कृषक(एम०डी० एफ०पी०ओ०)
35	श्री तरुण सिंघल	प्रगतिशील कृषक एग्री क्लीनिक
36	श्री विधान चन्द	मत्स्य विभाग प्रतिनिधि जिला मत्स्य अधिकारी सहारनपुर
37	श्री अशोक कश्चप	एन.डी.टी.वी. क्षेत्रीय संवाददाता
38	श्री पंकज तलवार	प्रगतिशील कृषक
39	श्री रविन्द्र बर्नवाल	आत्मा प्रभारी
40	श्री प्रमोद कुमार	एस.एम.एस.(पशुपालन) के०वी०के०
41	डा० अमरजीत सिंह राठी	के०वी०के०
42	डा० विरेन्द्र पाल	के०वी०के०
43	डा० विरेन्द्र कुमार	फार्म मैनेजर के०वी०के०
44	श्री राजाराम धनेश्वर	कार्यक्रम सहायक कम्प्यूटर के०वी०के०
45	श्री अश्वनी कुमार	लेखाकार के०वी०के०
46	श्री सुमित कुमार	जूस्टेनो के०वी०के०
47	श्री संजय कुमार	ड्रॉवर के०वी०के०
48	श्री सीताराम	अटैडन्ट के०वी०के०
49	श्री रामकुमार	चौकीदार / चपरासी के०वी०के०

वैज्ञानिक सलाहकार समिति की बैठक कार्यवाही:-

दिनांक 16.12.2020 को कृषि विज्ञान केन्द्र, सहारनपुर की वैज्ञानिक सलाहकार समिति की 25वीं बैठक कृषि विज्ञान केन्द्र के सभाकक्ष में डा0 जय सिंह, पूर्व निदेशक आई0सी0ए0आर0 की अध्यक्षता एवं श्री निखिल कुमार त्यागी माननीय सदस्य प्रबंधन परिषद सरदार वल्लभभाई पटेल कृषि एवं प्रौ. वि. वि., मेरठ मुख्य अतिथि से प्रारम्भ हुई। बैठक में प्रसार निदेशालय मेरठ से आन लाईन जूम के माध्यम से डा0 एस0के0 सचान निदेशक प्रसार, डा0 पी0के0 सिंहसह निदेशक, डा0 हरीओम कटियार सह निदेशक, डा0 के0जी0 यादव सह निदेशक द्वारा भाग लिया गया। बैठक में सलग्न सूची के अनुसार केन्द्र वैज्ञानिको,समस्त स्टाफ, विभागीय अधिकारियों एवं प्रगतिशील कृषको सहित 49 लोगो ने भाग लिया। केन्द्र के प्रोफेसर एवं प्रभारी अधिकारी डा0 आई.के.कुशवाहा ने बैठक में उपस्थित निदेशक प्रसार कृषि वि0वि0,मेरठ एवं अधिकारियों व उपस्थित कृषक सदस्यों का स्वागत करते हुए बैठक में उपस्थित सभी सदस्यों, मण्डलीय एवं जिला स्तरीय अधिकारियों का परिचय कराया गया, इसके बाद वर्ष 2020 में केन्द्र द्वारा कराये गये कार्यों को विस्तार से प्रस्तुत करते हुए केन्द्र द्वारा वर्ष 2020 में किये गये विशिष्ट कार्यों को भी प्रस्तुत किया गया जो निम्नवत हैं:-

- केन्द्र द्वारा आन फार्म टस्टिंग 5, प्रथमपद्धति खण्ड प्रदर्शन 160, कृषक प्रशिक्षण 47 आयोजित किये गये।
- केन्द्र द्वारा 195 मशरूम उत्पादन (ढिगरी सफेद, बटन मशरूम, मिल्की मशरूम) जिससे ग्रामीण युवा को स्वरोजगार करके कृषि आय को बढ़ाने में सहयोग मिल रहा है।
- केन्द्र द्वारा 150कि0ग्रा0 बायो कन्टोल एजेन्ट उत्पादन,1025 कि0ग्रा0 वर्मी कम्पोस्ट,24150 पौध का उत्पादन कियागया।
- केन्द्र तकनीकी पार्क सहजन वाटिका(75पौधे), फल वाटिका (एपिलबेर,मौसमी,फालसा, शहतूत, अंजीर, पपीता, कटहल, अमरुद, लीची, आू, केला, चकरौता,बेल एवं आंवला) पौषक वाटिका(पालक,मेथी,धनिया,मूली,गाजर,सेमना,प्याज,लहसुन, सब्जी मटर, नीबू, जामुन) हर्बल गार्डन(हल्दी, अश्वगंधा,पत्थर चट्टा,छुईमुड़, तुलसी,मरवा,गिलोय,सतावर,कालावस, अकरकरा,एलोविरा,सहजन,पुदीना) मुर्गी पालन (कडकनाथ,वनराजा), सरसों+ सब्जिया,गेंहू प्रजातिया,धान प्रजातिया, अरहर प्रजातिया प्रदर्शन लगाय गये।
- केन्द्र द्वारा कलस्टर प्रथम पंक्ति खण्ड प्रदर्शन के अन्तर्गत मसूर(प्रजाति एल 4717) एवं सरसों (आर0एच0749) के क्रमशः 25 एवं 50 प्रदर्शन कृषक प्रक्षेत्रों में लगाए गये।
- भारतीय कृषि अनुसंधान संस्थान नई दिल्ली द्वारा राष्ट्रीय प्रसार प्रदर्शन कार्यक्रम के अन्तर्गत कृषक प्रक्षेत्रों में धान प्रजाति (पी0बी0 1401, पी0बी01509, पी0बी01121), गेंहू प्रजाति(एच0डी02967, एच0डी03086, एच0डी03271,एच0डी03226) प्रदर्शन लगाए गये।
- कोविड-19 कोरोना माहमारी के कारण लाकडाउन के दौरान केन्द्र द्वारा कृषको को आन लाईन कृषि तकनीकी सलाह, कृषक प्रशिक्षण प्रशिक्षण एवं समस्या समाधान की सुविधाए, सरकार द्वारा दी गयी गाईड लाईन जैसे मास्क, हैण्ड वास, सैनीटाइजेसन,और दूरी बनाये रखना आदि का अनुपालन सुनिश्चित करते हुए दी गयी।
- प्रकाशित सहित्य के अन्तर्गत वार्षिक कृषि तकनीकी कलेन्डर को प्रकाशित करवाया गया जिसे मा0 सांसद श्री प्रदीप चौधरी जी द्वारा विमोचन किया गया और कृषको को वितरित किया गया।
- कृषि विज्ञान केन्द्र प्रक्षेत्र चांदपुर में आम और अमरुद बाग फलत सहित सहफसली हेतु दो वर्ष(2020-21 एवं 2021-22 तक) के लिये रु0 8.70 लाख में निलामी की गयी जो विगत दो वर्ष की निलामी से रु0 2.10 लाख अधिक ठेकेदार द्वारा लगाई गयी।
- केन्द्र द्वारा जनपद में फसल अवशेष/पराली प्रबंधन,एवं जैविक खेती प्रोत्साहन हेतु पूसा डिकम्पोजर को 315 ग्रामो के 5120 कृषको तक पहुंचा कर लाभान्वित किया गया।
- फसल अवशेष प्रबंधन परियोजना के अन्तर्गत जिला स्तरीय,ब्लाक स्तरीय,ग्राम स्तरीय जागरुकता कार्यक्रम कृषक प्रशिक्षण,बाल राइटिंग,होर्डिंग,पोस्टर,पम्पलेट, सी0आर0एस0 रेडियो स्टेशन, न्यूज पेपर, आदि के माध्यम से कृषको को जागरुक किया गया।
- केन्द्र द्वारा आर्या परियोजना के अन्तर्गत मशरूम उत्पादन एवं पाउटी प्रोडक्शन विषय पर रोजगार परक 1-1 ग्रामीण युवा प्रशिक्षण आयोजित किये गये जिनसे प्रत्येक में 20-20 प्रशिक्षार्थियों ने भाग लिया। केन्द्र द्वारा इसके कुल 40 प्रशिक्षणार्थी लाभान्वित हुए।
- केन्द्र द्वारा 05 दिसम्बर 2020 को विश्व मृदा स्वास्थ्य दिवस मनाया गया जिसमें मुख्य अतिथि मा0 कृषि, कृषि शिक्षा एवं कृषि अनुसंधान मंत्री श्री सुर्य प्रताप शाही जी रहें।
- केन्द्र द्वारा दिनांक 15.10.2020 को महिला दिवस मनाया गया जिसमें 55 महिलाओं ने भाग लिया।
- केन्द्र द्वारा पोषक माह सितम्बर के अन्तर्गत दिनांक 15.09.2020 को जागरुकता कार्यक्रम किया गया जिसमें मुख्य अतिथि श्री अभय चौधरी चेररमैन कापारेटिव एवं श्री रमेश छावडा जी पार्षद रहे जिसमें 107 महिला आगन वाडीयों ने भाग लिया। सभी को इफको एवं आई0सी0ए0आर0 द्वारा बनाई गयी पोषण किट (सब्जी बीज) वितरित की गयी।

- केन्द्र द्वारा संचालित कम्यूनिटी रेडियो स्टेशन (90:4 MHz) के माध्यम से कृषको को संचालित योजनाओं एवं कृषि तकनीकी की जानकारी सम्बंधी 211 वार्ता दी गयी।
- केन्द्र द्वारा स्किल(आसकी) डेवलपमेन्ट परियोजना के अन्तर्गत एनीमल हेल्थ वर्कर एवं मशरूम उत्पादक विषय पर क्रमशः 300 एवं 200 घण्टे का युवा प्रशिक्षण दिया गया जिसमें कुल 80 कृषक युवा लाभान्वित हुए।
- निदेशक प्रसार महोदय द्वारा आन लाईन विडियो कान्फ्रेंसिंग के माध्यम से सुझाव दिया गया कि एफ0पी0ओ0 के मार्ग दर्शन के लिये कृषि विज्ञान को सहयोग करना चाहिए एवं आई0एफ0एस0 माडल और आग्रेनिक फार्मिंग को बढ़ावा देने हेतु कृषको के प्रक्षेत्र पर प्रदर्शन और टायल लगाए जाए।
- मा0 सदस्य श्री निखिल त्यागी जी द्वारा सुझाव दिया गया कि केन्द्र द्वारा वार्षिक कलेण्डर विगत वर्ष की भांति कुछ नवीनतम जानकारीयों के साथ इस वर्ष भी प्रकाशित कराए जाए तथा कलेण्डर की पी0डी0एफ0 फाईल के रूप में भी कृषको को उपलब्ध कराए।
- डी0डी0एम0 नार्वाड द्वारा सुझाव दिया गया कि किसी भी फसल की खेती तभी की जाए जब उसका बाजार उपलब्ध हों।
- श्री सेठपाल सिंह जी द्वारा सुझाव दिया गया कि वि0वि0द्वारा विकसित की हुई प्रजातियों का बीज कृषको को उपलब्ध कराया जाए।
- कृषक श्री सतवीर सिंह जी ने टाईकोकार्ड उपलब्ध नहीं है कृषको को टाईकोकार्ड उपलब्ध कराये जाने हेतु कार्यवाही की जाए।
- कृषक श्री विपिन परमार द्वारा सुझाव दिया गया कि पी0पी0पी0ई0 माडल पर टाईकोकार्ड उत्पादन हेतु कार्य किया जाना चाहिए।
- डा0 जय सिंह पूर्व निदेशक आई0सी0ए0आर0द्वारा सुझाव दिया कि आम सहारनपुर की मुख्य फसल है बाग की बाउंडरी एव बीच में नीम के वृक्षों का रोपण किया जाए जिससे कि कई प्रकार के आम के रोगों से बचा जा सके।
- डप निदेशक कृषि मिश्राजी द्वारा यह सुझाव दिया गया कि कृषक खेती करते समय इस बात को ध्यान में रखकर खेती करे कि हम और हमारा परिवार स्वस्थ रहें। कृषक अपने लिये खेती करना प्रारम्भ करें।
- सयुक्त निदेशक कृषि सहारनपुर मण्डल श्री राजपूत द्वारा सुझाव दिया गया कि स्वस्थ रहने के लिये कृषको को जैविक/प्राकृतिक खेती को अपनाना चाहिए। उन्होंने पराली जलाए जाने के दुष्प्रभाव के विषय में भी सुझाव दिया तथा बताया कि सहारनपुर जिला डार्क जोन में जा रहा है इससे बचने के लिये उचित कदम उठाने चाहिए।
- कृषक द्वारा सुझाव दिया गया कि आम की फसल में ब्लेक स्पॉट की समस्या के कारण कृषको को आम का उचित दाम नहीं मिल रहा है इसके रोकथाम हेतु उचित कार्यवाही की जानी चाहिए।

केन्द्र की उक्त प्रगति पर अध्यक्ष एवं समिति के सदस्यों द्वारा केन्द्र के वैज्ञानिकों द्वारा किये गये कार्यों की सराहना की गई तथा इसके बाद वैज्ञानिकों द्वारा वर्ष 2020-21 की कार्ययोजना विस्तार से अनुमोदन हेतु प्रस्तुत की गई जिसे अध्यक्ष एवं समिति के सदस्यों ने सहर्ष अनुमोदित करते हुए भविष्य के लिये निम्न सुझाव दिये गये हैं।

क्र. सं.	अधिकारियों/सदस्यों का नाम	सुझाव
1	श्री निखिल त्यागी	कृषि विज्ञान केन्द्र पर स्थापित रेडियो स्टेशन को सुचारु रूप से चलाया जाए व इसको फिक्वेन्सी को बढ़ने का प्रयास किया जाए।
2	श्री मदन सिंह	आम के बागों में आम पर काला धब्बा की समस्या पर कार्य किया जाए।
3	श्री सेठपाल सिंह	आम में काला धब्बा समस्या के आने से पूर्व इसके सम्बंध में समाचार पत्रों के माध्यम से भी कृषको को जानकारी दी जाए।
4	श्री निखिल त्यागी	कृषि विज्ञान केन्द्र के कलेण्डर में सरकार द्वारा चलायी जा रही योजनाओं को सम्मिलित किया जाए।
5	श्री मदन सिंह	लेमन ग्रास सैम्पल परिक्षण लैब जनपद में स्थापित हो जिससे उसकी गुणवत्ता के अनुसार दाम मिल सके।
6	श्री तोगाडिया	धान में निमेटोड की समास्या के लिये जैविक एव प्राकृतिक नियंत्रण जैसे- हजीम बेशर्म व गेंदा द्वारा की जानकारी कृषको को दी जाए।
7	श्री निखिल त्यागी	टाईकोग्रामा कार्ड जनपद में कृषको को मांग के अनुसार वि0वि0 से सम्पर्क करे समय से उपलब्ध कराया जाए।
8	डा0 जय सिंह पूर्व निदेशक भा0कृ0अनु0प0	धान में नेमीटोड नियंत्रण हेतु सीलोमोइसेस 1.0 ली0/ एकड के प्रदर्शन की संख्या बढ़ाया जाए।
9	श्री निखिल त्यागी	कलेण्डर में प्रयोजित प्रशिक्षण कार्यक्रमों को भी माहवार अंकित किया जाए। व लिस्ट आफ होलीडेज भी डाली जाए।
10	श्री सेठपाल सिंह प्रगतिशील कृषक	ग्वार की खेती व शकरगन्दी की खेती को भी बढ़ावा दिया जाए।

11	डी0डी0एम0 नार्वाड	कृषि विज्ञान केन्द्र के द्वारा दिये गये प्रशिक्षणों में प्रशिक्षणार्थियों के लिये एक्सपोजर विजिट रख सकते हैं।
12	श्री निखिल त्यागी	केन्द्र द्वारा दिये गये प्रशिक्षणों से सम्बंधित डाटा भी रखे की कितने प्रशिक्षणार्थी ने अपना रोजगार प्रारम्भ किया है।
13	डा0 जय सिंह पूर्व निदेशक भा0कृ0अनु0प0	जनपद में चल रहे स्वम सहायत समूहों को भी प्रशिक्षण दिया जाए।

अन्त में केन्द्र के डा0 विरेन्द्र कुमार कार्यक्रम सहायक ने निदेशक प्रसार महोदय कृषि वि.वि.,मेरठ एवं कृषि वि0वि0,मेरठ से आन लाईन भाग ले रहे वैज्ञानिकों, जिला स्तरीय अधिकारियों, प्रगतिशील कृषकों व केन्द्र के वैज्ञानिकों/कर्मचारियों का आभार व्यक्त करते हुए बैठक का समापन अध्यक्ष की अनुमति के उपरान्त किया गया।

(डा0 आई0के0 कुशवाहा)

प्रौफेसर एवं प्रभारी अधिकारी/सचिव
वैज्ञानिक सलाहकार समिति

-----XXXXXXXX-----