

Annual Progress Report

(January 2019 - December 2019)

Krishi Vigyan Kendra, Ghazipur II

Submitted to

ICAR-ATARI, Kanpur (U.P.)



Submitted by

Krishi Vigyan Kendra, Ghazipur-II
A.N.D. University of Agriculture & Technology,
Kumarganj, Ayodhya(U.P.)

ANNUAL PROGRESS REPORT (January 2019-December 2019)

APR SUMMARY

(Note: While preparing summary, please don't add or delete any row or columns)

1. Training Programmes

Clientele	No. of Courses	Male	Female	Total participants
Farmers & farm women	20	409	62	471
Rural youths	6	120	0	120
Extension functionaries	6	112	8	120
Total	32	641	70	711
Sponsored Training	25	2353	719	3072
Vocational Training	6	120	0	120

2. Frontline demonstrations

Enterprise	No. of Farmers	Area (ha)	Units/Animals
Oilseeds	24	10	10
Pulses	55	20	55
Cereals			
Vegetables	9	2	9
Other crops	19	7.6	19
Hybrid crops			
Total	107	39.6	93
Livestock & Fisheries			
Other enterprises			
Total			
Grand Total			

3. Technology Assessment

Category	No. of Technology Assessed	No. of Trials	No. of Farmers
Crops	2	15	15
Livestock	0	0	0
Various enterprises	0	0	0
Total	2	15	15

4. Extension Programmes

Category	No. of Programmes	Total Participants
Extension activities	30	5620
Other extension activities	428	2461
Total	458	8081

5. Mobile Advisory Services

Name of KVK	Message Type	Type of Messages						Total
		Crop	Livestock	Weather	Marketing	Awareness	Other enterprise	

Krishi Vigyan Kendra Ghazipur II	Text only							
	Voice only	320	0	60	30	50	20	480
	Voice & Text both							
	Total Messages							
	Total farmers Benefitted	320	0	60	30	50	20	480

6. Seed & Planting Material Production

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

7. Soil, water & plant Analysis

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

8. HRD and Publications

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

7	Subject Matter Specialist											
8	Programme Assistant											
9	Computer Programmer	Gajendra Kumar	Programme Assistant (Computer)	Information Technology	9300-34800 GP-4200	35400	03.09.19	Permanent	Others	8756158888	28	gajendrakvk@gmail.com
10	Farm Manager											
11	Accountant / Superintendent	Jayesh Sachan	Assistant	MBA	9300-34800 GP-4200	35400	26.08.19	Permanent	Others	790648617	30	sachanjayesh@gmail.com
12	Stenographer											
13	Driver	Ankush Rai	Driver cum Mechanic	-	5200-20200 GP-1900	19900	31.08.19	Permanent	SC	7236054272		Ankushrai1989@gmail.com
14	Driver											
15	Supporting staff											
16	Supporting staff											

1.6. Total land with KVK (in ha) : **13.6**

S. No.	Item	Area (ha)
1.	Under Buildings	-
2.	Under Demonstration Units	-
3.	Under Crops	8.0
4.	Orchard/Agro-forestry	-
5.	Others (specify)	-

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	-	-	-	-	-	-
2.	Farmers Hostel	ICAR	-	-	-	-	-	-
3.	Staff Quarters (6)	ICAR	-	-	-	-	-	-
4.	Demonstration Units	ICAR	-	-	-	-	-	-
5.	Fencing	ICAR	-	-	-	-	-	-
6.	Rain Water harvesting system	ICAR	-	-	-	-	-	-
7.	Threshing floor	ICAR	-	-	-	-	-	-
8.	Farm godown	ICAR	-	-	-	-	-	-

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
-	-	-	-	-

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
-	-	-	-

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

Date:- 1.02.2020

Sl. No.	Name	Designation of Participants		Salient Recommendations	Action taken
1.	Dr. A. P. Rao	Director Extension, ANDUAT, Aydhya	Chairman	<p>1. KVK की सर्वोच्च प्राथमिकताएं सभी वैज्ञानिकों से मिलकर बनाएं।</p> <p>2. बासमती धान की जगह सामान्य धान पर प्रशिक्षण / प्रदर्शन किया जाए।</p> <p>3. प्रक्षेत्र परीक्षण में कृषकों की संख्या अधिकतम 05 हो।</p> <p>4. (अ) प्रशिक्षण में मिर्च फसल को लेना है। (ब) कार्य योजना में मेंथा फूलों की खेती व मिर्च को शामिल करना है। (स) लोटनल पोलीहौसे अपने फार्म पर तथा कृषकों के प्रक्षेत्र पर लगाना है। (द) अग्रिम पंक्ति प्रदर्शन में मिर्च की इन्दू प्रजाति को शामिल करना है।</p>	
2.	Shri M. K. Singh	Deputy Director, Agriculture, Ghazipur	Member	<p>भवन का जीर्णोधार कराया जाए तथा बीज विस्थापन पर जोर कराया जाए।</p>	
3.	Dr. S. K. Dubey	DHO, Ghazipur	Member	<p>1. आम में समेकित रोग प्रबंधन का प्रशिक्षण अप्रैल के बजाय अक्टूबर माह में किया जाए तथा समेकित पोषक तत्व</p>	

				<p>प्रबंधन का प्रशिक्षण जुलाई अगस्त में।</p> <p>2. कार्य योजना में औषधीय फसलों जैसे एलोवेरा शतावर तुलसी का समावेश व पॉलीहाउस में गुलाब को बढ़ावा दिया जाए।</p> <p>3. पेस्टीसाइड जागरूक जागरूकता पर प्रशिक्षण आयोजित किया जाए।</p>	
4.	Shri G. S. Yadav	CEO (Fisheries), Ghazipur	Member	की.वी.के. के फार्म पर प्रदर्शन इकाई के रूप में छोटा सा तालाब बनाया जाए।	
5.	Shri S. K. Singh	DPPO, Ghazipur	Member	-	
6.	Dr. V. K. Singh	Sr. Scientist & Head, P.G. College, Ghazipur	Member	-	
7.	Dr. D. K. Singh	SMS (Soil Science), KVK, PG College, Ghazipur	Member	-	
8.	Dr. S. K. Singh	SMS (Agronomy), KVK, PG College, Ghazipur	Member	-	
9.	Dr. C. P. Singh	Incharge, ZARS, Badibagh, Ghazipur	Member	-	
10.	Shri Mrityunjaya Singh	Progressive Farmer, Village- Subhakarapur, Block-Karanda	Member	<p>1. फसल अवशेष प्रबंधन एवं यंत्रीकरण पर कृषकों को जागरूक किया जाए किया जाए किया जाए।</p> <p>2. कार्य क्षेत्र का एक गांव अंगीकृत कर विकास किया जाए।</p>	
11.	Shri Gyanendra Kumar Rai	Progressive Farmer, Village- Revatipur, Block- Revatipur	Member	केला की खेती को बढ़ावा दिया जाए।	
12.	Shri Dadhival	Progressive Farmer, Village- Ankushpur, Block-Karanda	Member	-	
13.	Mrs. Kamala Devi	Progressive Farmer, Village- Ankushpur, Block-Karanda	Member	-	
14.	Dr. R. C. Verma	Sr. Scientist & Head, KVK, Ankushpur, Ghazipur	Secretary	-	
15.	Dr. N. P. Singh	Sr. Scientist (Horticulture)	Member	-	
16.	Dr. J. P. Singh	Sr. Scientist (Agronomy)	Member	-	
17.	Dr. Sher Singh	SMS (Horticulture)	Member	-	
18.	Shri Gajendra Kumar	Computer Pogrammer	Member	-	

19.	Shri Krishn Kumar Singh	SCO, Ghazipur	Member	-	
20.	Shri Brishketu Singh	Progressive Farmer, Vill& Post-Karanda	Member	-	
21.	Shri Bhola Yadav	Progressive Farmer, Village- Basantpatti, Block-Karanda	Member	-	
22.	Shri Rajesh Singh	Progressive Farmer, Village- Basantpatti, Block-Karanda	Member	-	
23.	Mrs. Reshama Singh	Progressive Farmer, Village- Basantpatti, Block-Karanda	Member	-	
24.	Shri Sudhakar Pandey	Progressive Farmer, Village- Ghairha, Block-Mardaha	Member	-	
25.	Shri Jhamman Pandey	Progressive Farmer, Village- Gopalpur, Block-Kasimabad	Member	-	

2. DETAILS OF DISTRICT (2019)

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

S. No.	Farming system/enterprise
1.	<p>Agriculture : Major Cropping System</p> <ol style="list-style-type: none"> 1. Rice - Wheat - Fallow 2. Rice - wheat - Urd 3. Rice - Wheat - Mung 4. Rice - Pea, Gram, Lentil, Mustard 5. Arhar + Jowar - fallow 6. Arhar + jowar + Urd 7. Arhar + Jowar + Moong 8. Bajra - Wheat 9. Bajra - Rabi Pulses 10. Pigeon Pea - Rice - Wheat (Two - Year)
2.	<p>Horticulture :</p> <ol style="list-style-type: none"> 1. Tomato/ Pea/ Cauliflower/Chilli/ Brinjal/ Onion +Ginger/ Turmeric/ 2. Banana- Wheat, Banana-Potato 3. Mango + Turmeric, Mango + Zinger 4. Mango + Elephant foot Yam
3.	<p>Agriculture + Horticulture:</p> <ol style="list-style-type: none"> 1. Paddy/Maize + Pigeon Pea-Wheat / Vegetable/ Mustard 2. Paddy-Wheat/ Lentil-Maize/ Urd/ Mentha

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

Sl. No.	Agro-climatic Zone	Characteristics	
1.	4 th North Agro-Climatic	Area :	138748 Ha
		Tehsils :	3- Kasimabad ,Zamania, Mohammadabad

	Zone	Blocks :	8- Karanda, Kasimabad, Barachawar, Mohammadabad, Bhawarkole, Zamania, Rewatipur, Bhadaura
		Climate :	District Annual rainfall is nearly 1034 mm, the climate of the district is hot & dry, on whole extremely genial and is characterized by a hot summer and general dryness during major part of the year except during north- west monsoon season. The major rainfall received during month of June to September. The average temperature ranges between 9 °C (during Dec.) to 41 °C (during April and May)
		Soil :	Clay loam, sandy loam, diara soil (Silt), black soil (Karail soil)
2.	<p>District Profile:</p> <p>Ghazipur district is situated in eastern part of Uttar Pradesh. The total area of the district is 3377 sq km with total population of 30.37 lakh with density of population as 899 persons per sq km. The district has 8 blocks viz. Karanda, Kasimabad, Varachavar, Mohammadabad, Bhavarkol, Jamania, Reotipur and Bhadaura. The district has 1265 villages and there are three rivers in the district viz. Ganga, Gomti and Karmnara. The net sown area is 2.54 lakh ha with the cropping intensity of 161.45%. Including the seasons of kharif, rabi and zaid, a total area of 4.36 lakh ha is put under various crops such as wheat, rice, pulses, sugarcane and oilseeds, potato, vegetables, onion, tomato, chilli and banana etc. The district has a large number of cold storages spread in five blocks of the district that provide easy access to farmers for storing potato.</p>		

Land Use Pattern (Area ha)	
Particulars	Area (ha)
Geographical Area	333.214
Cultivable Area	254.711
Forest Area	0.121
Land Under Non-Ag Use	48.667
Permanent Postures	0.803
Cultivable Waste Land	3.539
Land Under Misc. Tree Crops and Grover	3.382
Barren and Uncultivable Land	3.015
Current Fallows	15.341
Others Fallows	3.635
Agricultural Land in Use	
Particulars	Area (ha)
Net Sown Area	254.711
Area Sown more than Once	157.023
Gross Cropped Area	411.734
Net Irrigated Area	218.402
Gross Irrigated	350.281
Rainfed	36.309
Land Holding	
Category of land holding	Total no of farm/house hold
Marginal	331320
Small	43369
Medium & Large	23071
Total	397787
Average Land Holding	0.7

Topography:

Rice-Wheat cropping system is pre-dominated; temperature varies from 4 to 46.6 degree C maximum from winter to summer. Annual precipitation varies from 800mm to 1034 mm. Paddy crop suffer when October month of Hathia nakshatra. This failure also affects the succeeding Rabi crops and cropping system. Major crops are paddy, maize, pigeon pea, jowar and Bajra in Kharif season wheat, barley, lentil, toria, mustard, field pea and winter vegetables in Rabi season.

S. No.	Agro ecological situation	Characteristics			
AES-1.	Clay Loam	Based upon soil type, soil depth, soil topography and variability of canal irrigation, Ghazipur district has been divided into three major agro-ecological situations. There are a total 08 blocks in Ghazipur district. Soil is deficient in many of the nutrients. Crop production, Vegetable production, Fodder production, and dairy management are main occupation of the farmers as given in the following table :			
		Crop	Fodder	Vegetable	Dairy
		Paddy	Jowar	Tomato	Cow jerky
		Wheat	Chari	Brinjal	Buffalo Murrah
		Arhar	Berseem	Colecrops	Poultry- improved
		Maize	Bajara	Onion	Goatry- barbery
AES-2	Clay Loam, Sandy Loam	This situation is observed in the northern part of district including Kasimabad block having only 29.99% of geographical area. People rear desi breed of cow, buffalo, goat and poultry and piggery in few of the pockets.			
		Crop	Vegetable	Fodder	Dairy
		Paddy	Tomato	Bajra	Cow Jerky/Desi
		Wheat	Potato	Jowar	Buffalo Murrah/Desi
		Arhar	Cauliflower	Chari	Goatry- barbery/Desi
		Gram	Radish	Berseem	Poultry-improved
		Pea	Chilli		
AES-3	Diara Soil (Silt), Balck Soil (Karail Soil)	This situation is spread over Zamania, Rewatipur, Mohammadabad, Barachawar, Bhawarkol and Bhadaura block situated in eastern part of the district. The soils in this situation are predominantly low land. Major area of Karail is under Massor, Gram and vegetables:			
		Crop	Fodder	Vegetable	Dairy
		Paddy	Jowar	Tomato	Cow Jerky/Desi
		Wheat	Chari	Brinjal	Buffalo Murrah/Desi
		Arhar	Berseem	Potato	Goat- improved/Desi
		Gram		Cabbage	
		Pea		Cauliflower	
		Toria			
		Lentil	Ladies finger		

2.3 Soil type/s

S. No	Soil type	Characteristics	Area in ha
1	Clay Loam	Plain, alluvial soil 0-1% slope, very deep loam to silt loam soil: soil texture, slightly eroded soil, medium rainfall, tubewell, canal irrigation.	29.28% of the geographical area.
2	Clay Loam, Sandy Loam	Plain alluvial soil, slightly saline alkali soil, loam to silt loam sil, 0-1% slope, slightly eroded soil, medium rainfall, tubewell and canal irrigation	29.99% of geographical area.
3	Diara Soil (Silt), Balck Soil (Karail Soil)	Water logged karail very deel clay loam to silty clay loam, 1-3% slope, medium rainfall, canal tubewell irrigation, slightly eroded irrigation	40.0% of geographical area.

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

S. No	Crop	Area (ha)	Production (Qtl)	Productivity (Qtl /ha)
1	Rice	151.65	21.62	1
2	Wheat	169.65	24.27	2
3	Maize	753	14.04	3
4	Urd	610	8.6	4
5	Moong	260	1.99	5
6	Pigeon pea	41950	10.14	6
7	Ground nut	200	5.98	7

8	Sesamum	200	1.54	8
9	Barley	71043	16.65	9
10	Pea	71849	10.69	10
11	Lentil	101848	7.05	11
12	Pea (Round)	1608	12.10	12
13	Mustard/Toria	0.01392	10.31	13
14	Sugar cane	71422	455.23	14
15	Linseed	100	4.00	15
16	Gram	21680	8.64	16
17	Bajra	131.89	14.16	17
18	Jowar	2.78	14.74	18

2.5. Weather data

Month	Rainfall (mm)	Temperature ° C		Relative Humidity (%)
		Maximum	Minimum	

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

Category	Population	Production	Productivity
Cattle			
Crossbred	3185	19110 lit.	6 lit/day
Indigenous	468449	936898 lit.	2 lit/day
Buffalo	296972	55024 lit.	4 lit/day
Sheep	13756	2751.2 kg.	0.2000 kg.
Crossbred	1910	573.0 kg.	0.3000 kg.
Indigenous	11846	11.84 kg.	1000 gm.
Goats	438552	6578.78 lit.	0.150 lit.
Pigs	43458	13637.4 kg.	0.30 kg.
<i>Crossbred</i>	4710	1884 kg.	0.40 kg.
<i>Indigenous</i>	38748	8687 kg.	0.25 kg.
Poultry			
Hens	208279	208279 kg.	1.0 kg.
Ducks	13152	1352	1.0 kg.
Category	Area	Production (Q.)	Productivity
Fish (Reservoir)	744.23	161.00	0.216

*Statistical report

2.7 Details of Operational area / Villages (2019)

Sl.No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1.	Karanda	Karanda	Ankushpur, Saheri, Gosandepur, Karanda, Basantpatti, Mudwal, Madnahi	Pegion pea, Maize Rice, Wheat, Mentha, Brinjal, cucurbits and vegetable pea Tomato, Chilli, etc	Low productivity of pigeon pea, rice, Wheat, vegetables banana. Due to poor crop management, light soil, infestation of insects and pests, imbalance use of fertilizers.	Seed production : Pigeon pea, Rice, Wheat, Lentil Vegetable production : green pea, Tomato, Chilli, Brinjal Aromatic plant production : Mentha Fruit: Banana
2.	Kasimabad	Kasimabad	Ramgarh, Devali, Asna	Rice, Wheat	Low yield of Wheat due to prolonged high moisture content in Paddy fields & late sowing of Wheat.	Seed production : Rice & Wheat Resource Conservation : Wheat
			Gopalpur, Nagawan, Manorathpur		Low yield of Rice due to old & local varieties & attack of insects and disease	IPM in Rice Rearing of goats, and backyard poultry, leguminous fodder crops And production of Vegetables.

2.8 Priority/thrust areas

Crop/Enterprise	Thrust area
Pegion pea, Maize Rice, Wheat, Mentha, Brinjal, cucurbits and vegetable pea Tomato, Chilli, etc	Seed production : Pigeon pea, Rice, Wheat, Lentil Vegetable production : green pea, Tomato, Chilli, Brinjal Aromatic plant production : Mentha Fruit: Banana
Rice, Wheat	Seed production : Rice & Wheat Resource Conservation : Wheat

2.9 Intervention/ Programmes for the doubling the farmers income – during 2019

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
Brinjal Crop	Brinjal Crop	Marigold	175	16000	65000	1:4	Intercropping with marigold will be helpful in control of nematode.

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

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

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

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

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

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

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

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

Note- Same format may be used for OFT.

3. TECHNICAL ACHIEVEMENTS

3.A. Details of target and achievements of mandatory activities by KVK during 2019

OFT (Technology Assessment and Refinement)				FLD (Oilseeds, Pulses, Cotton, Other Crops/Enterprises)			
1				2			
Number of OFTs		Total no. of Trials		Area in ha		Number of Farmers	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
3	2	15	15	36.0	39.6	90	107



OFT- Mustard Crop



OFT- Vegetable Pea

अग्रिम पंक्ति प्रदर्शन (F.L.D.)

फसल – अरहर (नरेन्द्र अरहर 2)



अग्रिम पंक्ति प्रदर्शन (F.L.D.)

फसल – मसूर (PL 08)



अग्रिम पंक्ति प्रदर्शन (F.L.D.)

फसल – राई (नरेन्द्र राई 8501)



अग्रिम पंक्ति प्रदर्शन (F.L.D.)

फसल – गेहूं (HD 2967)



FLD & CFLD



Lentil Seed Distribution



Potato Seed Distribution



Pigeon Pea CFLD Visit

Training (including sponsored, vocational and other trainings)					Extension Activities			
3					4			
Number of Courses			Number of Participants		Number of activities		Number of participants	
Clientele	Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
Farmers	18	20	475	471	20	30	4500	5620
Rural youth	6	6	120	120	325	428 (Others)	2200	2461 (Others)
Extn. Functionaries	6	6	120	120				
Total	30	32	715	711	345	458	6700	8081

TRAINING



Off Campus



Off Campus



Off Campus



Off Campus

Extension Activity



Seed Production (Qtl.)				Planting material (Nos.)		
5				6		
Crop	Target	Achievement	Distributed to no. of farmers	Target	Achievement	Distributed to no. of farmers
Pigeon Pea	200	11.3	All seed intake at University Processing Plant.			
Lentil		5.72				
Mustard		1.55				
Total	200	18.57				

Soil/plant/water Analysis		
5		
Target	Achievement	No. of farmers covered

I. TECHNOLOGY ASSESSMENT

Summary of technologies assessed under various **CROPS** by KVKs

Thematic areas	Crop	Name of the technology assessed	No. of trials	No. of farmers
Integrated Nutrient Management	Mustard	Increased Yield (qnt/ha) in Mustard through Sulphur along with bio fertilizer	10	10
Varietal Evaluation	Vegetable Pea	Assessment of Vegetable Verities	5	5
Integrated Pest Management				
Integrated Crop Management				
Integrated Disease Management				
Small Scale Income Generation Enterprises				
Weed Management				
Resource Conservation Technology				
Farm Machineries				
Integrated Farming System				
Seed / Plant production				
Post Harvest Technology / Value addition				
Drudgery Reduction				

Storage Technique				
Others (Pl. specify)				
Total			15	15

Summary of technologies assessed under **livestock** by KVKs

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

Summary of technologies assessed under various **Enterprises** by KVKs

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

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

I.C. TECHNOLOGY ASSESSMENT IN DETAIL

OFT-1 : VARIETAL EVALUATION

Problem diagnose: Low yield of Vegetable Pea due to old variety like Arkel

Details of Technology selected for assessment:

T₁: Farmers practice (variety Arkel)

T₂: Azad-P5

Source of Technology: IIVR, Varansi

No of Farmers: 05

Critical Input: Seed

Plot Size: 1000 m²

Technical Observation:

No of Grains per Pod: 10-12

Yield: 80qa/ha

Economic Indicator:

1. **Cost of cultivation:** Rs. 40000/ha
2. **Gross Return:** Rs. 200000/ha
3. **Net return:** Rs. 160000/ha
4. **B:C :** 1:4

Reaction of Farmers:

1. **Average yield was found 8t/ha where Arkel was 6t/ha .**
2. **Per pod, grain was recorded 10 to 12 in Azad P-5 where 8 to 10 in grain Arkel.**
3. **Least infection on powdery mildew was found in Azad P-5.**
4. **Customer preferred to buy Azad P-5 due to their sweetness.**
5. **Greenness of Pod where longer over to Arkel.**

Result Table

Technology Option	No. of trials	Yield (t/ha)	Net Returns (Rs. in lakh./ha)
T1 - (Farmer Practice) Arkel	5	6.0	1,10,000
T2 – Azad P-3		8.0	1,50,000

OFT-1 : INTEGRATED NUTRIENT MANAGEMENT

Problem definition: Lower oil percentage in Mustard due to no use of Sulphur

Technology Assessed (as the case may be): Increased Yield (qnt/ha) in Mustard through Sulphur along with bio fertilizer

KVK, Ghazipur II in Uttar Pradesh conducted on-farm trial to find out appropriate integrated nutrient management practice (**Sulphur Application**) to enhance the Mustard yield.

Table Effect of seed soaking of MnSo₄ in enhancing germination and yield in Mustard

Technology Option	No. of trials	Yield (kg./ha)	Increase in Yield (%)	B:C Ratio
T1 - (Farmer Practice) No use of Sulphur & Bio Fertilizer	05	13.8	-	4.10
T2 – Bentonite Sulphur @30kg/ha + seed inoculation with Azotobacter@5 kg/ha		21.5	35.81	5.66

II. FRONTLINE DEMONSTRATION

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

List of technologies demonstrated during previous year and popularized during 2018 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

* Thematic areas as given in Table 3.1 (A1 and A2)

b. Details of FLDs implemented during **2019** (Information is to be furnished in the following **three tables** for each category i.e. **cereals, horticultural crops, oilseeds, pulses, cotton and commercial crops.**)

Sl. No	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ Demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1.	Pigeon Pea (NDA-2)	Varietal Evaluation	Improved Variety Seed	Kharif 2019	10	10	2	32	34	
2.	Mustard (NDR-8501)	ICM	Improved Variety Seed & Bio Fertilizer	Rabi 2019-20	10	10	0	24	24	
3.	Lentil (PL-08)	Varietal Evaluation	Improved Variety Seed	Rabi 2019-20	10.0	10	0	21	21	
4.	Wheat (HD-2967)	Varietal Evaluation	Improved Variety Seed	Rabi 2019-20	5.0	7.6	0	19	19	
5.	Potato Crop	Varietal Evaluation	Improved Variety Seed	Rabi 2019-20	2.0	2.0	1	8	9	

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
Pigeon Pea (NDA-2)	Kharif -2019	Irrigated	Sandy Loam	M	M	L	Wheat	First Fort Night of July 2019	Second fort Night of March 2020		
Mustard (NDR-8501)	Rabi-2019-20	Irrigated	Sandy Loam	M	M	L	Paddy	First Week of November 2019	Third week of March 2020		

Lentil (PL-08)	Rabi-2019-20	Irrigated	Sandy Loam	M	M	L	Paddy	First Week of November 2019	Second week of March 2020		
Wheat (HD-2967)	Rabi-2019-20	Irrigated	Sandy Loam	M	M	L	Paddy	III rd Week of November 2019	Last week of March 2020		
Potato Crop	Rabi-2019-20	Irrigated	Sandy Loam	M	M	L	Paddy	III rd Week of November 2019	First week of April 2020		

Technical Feedback on the demonstrated technologies

S. No	Crop	Feed Back
1	Pigeon Pea	Pigeon Pea variety Narendra Arhar-2 is well suited in district Ghazipur macro/micro agro climatic conditions. Grain shattering is very low during over maturity stage. This variety is able to sown during late conditions and gave optimum yield per unit area.
2	Mustard	Narendra Rai 8501 is high yielding variety among black color varieties. This is suitable for timely to late conditions and able to emerging maximum branches and sub branches. It is suitable for irrigated conditions in normal soils as well as problematic soils also.
3	Lentil	Introduction of new small size grain lentil variety KL-320 to district Ghazipur farmers. This is suitable for timely late sown conditions and free from any biotic damage.
4	Wheat	The wheat early timely sown condition variety HD 2967 is suitable for in which areas where most of the farmers of Ghazipur district are transplanted short/medium duration paddy varieties, which are harvested before last week of October.

Farmers' reactions on specific technologies

S. No	Crop	Feed Back
1	Pigeon Pea	District Ghazipur farmers where very much like/convincing with PigeonPea variety Narendra Arhar-2 for high yielding as well as less infestation of pod borer and resistant to measures diseases.
2	Mustard	Farmers were also very much convinced/impressed with Narendra Rai 8501 because his higher production and more benefitting habits.
3	Lentil	The farmers of district Ghazipur wants to show small size grain varieties. Thus, the variety KL-320 is small seeded grains and high yielding quality in irrigated/rain situations. Therefore, the demand of this variety is increased among farmers in coming years.
4	Wheat	Farmers were very much convinced with early timely sown conditions variety HD-2967 for his high yielding potential and suitable for sowing in short/medium duration paddy fields.

Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organized	Date	Number of participants	Remarks
1	Field days	Field Day on Pigeon Pea Crop	23.09.19	18	-
		Field Day on Lentil Crop	27.11.19	15	-
		Field Day on Mustard Crop	15.12.19	17	-
2	Farmers Training	ICM Of Toria & Mustard Crop	13.09.19	23	-
		ICM Of Toria & Mustard Crop	16.09.19	21	-
		ICM of Lentil Crop	09.10.19	25	-
		IPNM in Lentil Crop	25.10.19	21	-
		IPNM in Wheat Crop	16.11.19	22	-
		Integrated crop Management of Late Sown Wheat	04.12.19	25	-
		Irrigation & Nutrient Management in Mustard	06.12.19	30	-
Integrated crop Management of Lentil	09.12.19	25	-		
3	Media coverage	8	-	-	-

4	Training for extension functionaries	5	Diversification of Agriculture	15 Sept. 19	20	-
			ICM of Rabi Oil Seeds , Rabi Vegetable Production Technique	30 to 31 Oct, 19	40	-
			Soil Sampling & Precautions	18 to 19 Nov, 19	20	-
			Bee Keeping	13 to 14 Nov, 19	20	-
			Seed Production Technique	12-13 Dec. 19	20	-

Performance of Frontline demonstrations

Frontline demonstrations on oilseed crops

Crop	Thematic Area	technology demonstrated	Variety	No. of Farmers	Area (ha)	Yield (q/ha)			Check	% Increase in yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
						Demo					Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
						High	Low	Average										
Groundnut																		
Sesamum																		
Mustard	ICM	Improved Seed & Bio Fertilizer	NDR-8501	24	10	22.3	15.9	20.5	14.6	40.41	14820	90713	75893	6.12	13950	64605	50655	4.63
Toria																		
Linseed																		
Sunflower																		
Soybean																		

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

** BCR= GROSS RETURN/GROSS COST

Frontline demonstration on pulse crops

Crop	Thematic Area	technology demonstrated	Variety	No. of Farmers	Area (ha)	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
						Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
						High	Low	Average										
Pigeonpea	Varietal Evaluation	Improved Variety Seed	NDA-2	34	10	22.5	18.6	20.6	14.5	42.07	18250	119480	101230	6.55	15900	84100	78200	5.29
Blackgram																		
Greengram																		
Chickpea																		
Fieldpea																		
Lentil	Varietal Evaluation	Improved Variety Seed	PL-08	21	10	16.6	11.90	13.80	9.20	33.30	16400	66240	49840	4.04	13900	53360	39460	3.84
Horsegram																		

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

** BCR= GROSS RETURN/GROSS COST

FLD on Demonstration details on crop hybrids *(Details of Hybrid FLDs implemented during 2019)*

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

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

Total										
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										

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	1	10	2	12	9	3	12	19	5	24
Resource Conservation Technologies										
Cropping Systems										
Crop Diversification										
Integrated Farming										
Micro Irrigation/irrigation										
Seed production										
Nursery management										
Integrated Crop Management	5	67	5	72	23	16	39	90	21	111
Soil & water conservatioin										
Integrated nutrient management	6	105	10	115	38	0	38	143	10	153

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops	3	155	30	185	35	10	45	190	40	230
Training and pruning of orchards	1	16	0	16	4	0	4	20	0	20
Protected cultivation of vegetable crops	1	19	0	19	1	0	1	20	0	20
Commercial fruit production	1	90	50	140	50	25	215	140	75	215
Integrated farming	1	80	30	110	45	20	175	125	50	175
Seed production	4	70	0	70	10	0	10	80	0	80
Production of organic inputs										
Planting material production										
Vermi-culture										
Mushroom Production	2	107	38	150	38	13	166	145	51	196
Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery and implements	1	80	30	110	45	20	65	125	50	175
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 (ICM)	13	836	232	1073	322	109	431	1158	341	1499
TOTAL	27	1453	410	1873	550	197	1112	2003	607	2610

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	3	155	30	185	35	10	45	190	40	230
Training and pruning of orchards	1	16	0	16	4	0	4	20	0	20
Protected cultivation of vegetable crops	1	19	0	19	1	0	1	20	0	20
Commercial fruit production	1	90	50	140	50	25	215	140	75	215
Integrated farming	1	80	30	110	45	20	175	125	50	175
Seed production	4	70	0	70	10	0	10	80	0	80
Production of organic inputs										
Planting material production										
Vermi-culture										
Mushroom Production	2	107	38	150	38	13	166	145	51	196

Agril. para-workers, para-vet training										
Others (Cultivation of Brinjal Crop)	1	16	0	16	4	0	4	20	0	20
Other(Rejuvenation in Mango)	1	19	0	19	1	0	1	20	0	20
Total	6	105	0	105	15	0	15	120	0	120
Agricultural Extension										
Capacity building and group dynamics										
Others (pl. specify)										
Total										
Grand Total	6	105	0	105	15	0	15	120	0	120

IV. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
Advisory Services	480	480	6	486
Diagnostic visits	22	522	4	526
Field Day				
Group discussions				
Kisan Ghosthi	15	2810	22	2832
Film Show				
Self -help groups				
Kisan Mela	15	2810	24	2834
Exhibition				
Scientists' visit to farmers field	33	1050	8	1058
Plant/animal health camps				
Farm Science Club				
Ex-trainees Sammelan				
Farmers' seminar/workshop				
Method Demonstrations				
Celebration of important days				
Special day celebration	1	350	12	362
Exposure visits				
Others (pl. specify)				
Total	566	8022	76	8098

Details of other extension programmes

Particulars	Number
Electronic Media (CD./DVD)	
Extension Literature	
News paper coverage	36
Popular articles	
Radio Talks	
TV Talks	1
Animal health camps (Number of animals treated)	
Others (pl. specify)	
Total	37

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weather	Marketing	Awareness	Other enterprise	Total
	Text only							
	Voice only	320	0	60	30	50	20	480
	Voice & Text both							

Total Messages								
Total farmers Benefitted	320	0	60	30	50	20	480	

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			
	Lectures organized			
	Exhibition			
	Film show			
	Fair			
	Farm Visit			
	Diagnostic Practicals			
	Distribution of Literature (No.)			
	Distribution of Seed (q)			
	Distribution of Planting materials (No.)			
	Bio Product distribution (Kg)			
	Bio Fertilizers (q)			
	Distribution of fingerlings			
	Distribution of Livestock specimen (No.)			
	Total number of farmers visited the technology week			

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

Production of seeds by the KVKs

Crop	Name of the crop	Name of the variety	Name of the hybrid	Quantity of seed (q)	Value (Rs)	Number of farmers
Cereals						
Oilseeds						
Pulses						
Commercial crops						
Vegetables						
Flower crops						
Spices						
Fodder crop seeds						
Fiber crops						
Forest Species						

Others						
Total						

Production of planting materials by the KVKs

Crop	Name of the crop	Name of the variety	Name of the hybrid	Number	Value (Rs.)	Number of farmers
Commercial						
Vegetable seedlings						
Fruits						
Ornamental plants						
Medicinal and Aromatic						
Plantation						
Spices						
Tuber						
Fodder crop saplings						
Forest Species						
Others						
Total						

Production of Bio-Products

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

Table: Production of livestock materials

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

VII. DETAILS OF SOIL, WATER AND PLANT ANALYSIS

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

VIII. SCIENTIFIC ADVISORY COMMITTEE

Name of KVK	Number of SACs conducted

IX. NEWSLETTER/MAGAZINE

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

X. PUBLICATIONS

Category	Number
Research Paper	
Technical bulletins	
Technical reports	
Others (pl. specify)	

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

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

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

Introduction of alternate crops/varieties

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

Major area coverage under alternate crops/varieties

Crops	Area (ha)	Number of beneficiaries
Oilseeds		
Pulses		
Cereals		
Vegetable crops		
Tuber crops		
Total		

Farmers-scientists interaction on livestock management

Livestock components	Number of interactions	No.of participants
Total		

Animal health camps organised

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

Seed distribution in drought hit states

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

Large scale adoption of resource conservation technologies

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

Awareness campaign

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

XIII. DETAILS ON HRD ACTIVITIES

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

Name of the SAU	Title of the training programmes	No of programmes	No. of Participants	No. of KVKs 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 (CASE STUDIES MAY BE GIVEN IN DETAIL AS PER THE FOLLOWING FORMAT)

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

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

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

Name of the KVK

TITLE

Introduction

KVK intervention

Output

Outcome

Impact

D.2 . Publications (Print & Electronic media) (Jan 2019 to Dec 2019)

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

E. Technology Products provided (Jan 2019 to Dec 2019)

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

F. Technology services provided (Jan 2019 to Dec 2019)

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

XV. TECHNOLOGICAL BACKSTOPPING BY DIRECTORATES OF EXTENSION (Jan 2019 to Dec 2019)

States covered:

Number of Directorates of Extension:

A. Details on Directors of Extension

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

B. Workshops / meetings organized during Jan 2019 to Dec 2019

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

C. Visits made by DE / Officials in the Directorate to KVKs during Jan 2019 to Dec 2019

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

D. Overseeing of KVKs activities during Jan 2019 to Dec 2019

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

E. Publication on Technology inventory during Jan 2019 to Dec 2019

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

F. Technological Products provided to KVKs during Jan 2019 to Dec 2019

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

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