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

		Type of Messages						
Name of KVK	Message Type	Crop	Livestoc	Weather	Marke	Awar e-	Other enterpri	Total
NO.			N.		-ting	ness	se	

Krishi Vigyan	Text only							480
Kendra	Voice only	320	0	60	30	50	20	460
Ghazipur II	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	

DETAIL REPORT OF APR (Jan. 2019 to Dec. 2019)

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, Ankushpur, Ghazipur-II	9411320383		kvkghazipur2@gmail.com

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

Address	Telephone		E mail
	Office	FAX	
A.N.D. University of Ag. & Tech. Kumarganj, Ayodhya	05270- 262097,262726	05270- 262097	vcnduat2018@gmail.com

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. R.C. Verma	-	9411320383	rcv3011@gmail.com

- 1.4. Year of sanction: 2018 (vide Letter No.A.Extn.7/17/2017-AE-II)
- 1.5. Staff Position (as on 31th December, 2019)

SI. No.	Sanctioned post	Name of the incumbe nt	Design- ation	Disc ip- line	Pay Scale (Rs.)/Le vel Pay	Prese nt basic (Rs.)	Date of joini ng	Perm an- ent /Tem p- orary	Categor y (SC/ST/ OBC/ Others)	Mobile no.	Age (Years)	Email id
1	Programme Coordinator	Dr. R.C. Verma	Sr. Scientist & Head	Plant Protection	37400- 67000 GP 9000	46400	27.08 .19	Permanent	OBC	941132 0383	44	rcv3011@gm ail.com
2	Subject Matter Specialist	Dr. N.P. Singh	SMS/Asso c. Professor	Horticulture	37400- 67000 GP- 9000	76000	24.06 .19	Permanent	Others	941584 6331	61	drnpsinghkvk @gmail.com
3	Subject Matter Specialist	Dr. J.P. Singh	SMS	Agronomy	15600- 39100 GP- 7000	36920	17.06. 19	Permanent	Others	945359 7018	55	drjpskvk@gm ail.com
4	Subject Matter Specialist	Dr. Sher Singh	SMS	Agronomy	15600- 39100 GP- 6000	32630	04.10. 18	Permanent	OBC	945042 7609	56	
5	Subject Matter Specialist											
6	Subject Matter Specialist											

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	8756158 888	28	gajendrakvk @gmail.com
10	Farm Manager											
11	Accountant / Superintende nt	Jayesh Sachan	Assistant	MBA	9300- 34800 GP-4200	35400	26.08 .19	Perman ent	Others	7906486 17	30	sachanjayesh @gmail.com
12	Stenographer											
13	Driver	Ankush Rai	Driver cum Mechanic	1	5200- 20200 GP-1900	19900	31.08 .19	Perman ent	SC	7236054 272		Ankushrai198 9@gmail.co m
14	Driver											
15	Supporting staff											
16	Supporting staff											

1.6. Total land with KVK (in ha)

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

: 13.6

1.7. Infrastructural Development:

A) Buildings

		Source			Stag	e		
S.		of		Complete		Incomplete		
No.	Name of building	funding	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

SI. No.	Name	Designation of Participa	nts	Salient Action Recommendations taken
1.	Dr. A. P. Rao	Director Extension, ANDUAT, Aydhya	Chairman	1. KVK की सर्वोच्च प्राथमिकताएं सभी वैज्ञानिकों से मिलकर बनाएं। 2. बासमती धान की जगह सामान्य धान पर प्रशिक्षण / प्रदर्शन किया जाए। 3. प्रक्षेत्र परीक्षण में कृषकों की संख्या अधिकतम 05 हो। 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।
2.	Shri M. K. Singh	Deputy Director, Agriculture, Ghazipur	Member	भवन का जीर्णोधार कराया जाए तथा बीज विस्थापन पर जोर कराया जाए।
3.	Dr. S. K. Dubey	DHO, Ghazipur	Member	 आम में समेकित रोग प्रबंधन का प्रशिक्षण अप्रैल के बजाय अक्टूबर माह में किया जाए तथा समेकित पोषक तत्व

	Τ	T		
				प्रबंधन का प्रशिक्षण जुलाई
				अगस्त में।
				2. कार्य योजना में औषधीय
				फसलों जैसे एलोवेरा शतावर
				तुलसी का समावेश व
				पॉलीहाउस में गुलाब को
				बढ़ावा दिया जाए।
				3. पेस्टीसाइड जागरूक
				जागरूकता पर प्रशिक्षण
				आयोजित किया जाए।
4.	Shri G. S. Yadav	CEO (Fisheries),	Member	की.वी.के. के फार्म पर प्रदर्शन
		Ghazipur		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,	Member	_
		P.G. College, Ghazipur		
7.	Dr. D. K. Singh	SMS (Soil Science), KVK,PG College,	Member	-
		Ghazipur		
8.	Dr. S. K. Singh	SMS (Agronomy),	Member	-
		KVK,PG College, Ghazipur		
9.	Dr. C. P. Singh	Incharge, ZARS,	Member	_
40	01 : 14 :	Badibagh, Ghazipur		
10.	Shri Mrityunjaya Singh	Progressive Farmer, Village- Subhakarpur,	Member	1. फसल अवशेष प्रबंधन एवं
	Cg	Block-Karanda		यंत्रीकरण पर कृषकों को
				जागरूक किया जाए किया
				जाए किया जाए।
				2. कार्य क्षेत्र का एक गांव
				अंगीकृत कर विकास किया
				जाए।
11.	Shri Gyanendra	Progressive Farmer,	Member	केला की खेती को बढ़ावा दिया
	Kumar Rai	Village- Revatipur, Block- Revatipur		जाए।
12.	Shri Dadhival	Progressive Farmer,	Member	-
		Village- Ankushpur, Block-Karanda		
13.	Mrs. Kamala	Progressive Farmer,	Member	_
	Devi	Village- Ankushpur,		_
14.	Dr. R. C. Verma	Block-Karanda Sr. Scientist & Head,	Secretary	
14.	וטו. K. C. verma	KVK, Ankushpur,	Secretary	-
		Ghazipur		
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	Computer Pogrammer	Member	_
	Kumar	25pato. 1 ogrammor		-

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.	Agriculture : Major Cropping System	1
	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.	Horticulture :	
	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.	Agriculture + Horticult	ıre:
	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	Area:	138748 Ha
	Agro-Climate	Tehsils:	3- Kasimabad ,Zamania, Mohammadabad

7	Zone		8- Karauda, Kasimabad, Barachawar, Mohammadabad, Bhawarkole, Zamania, Rewatipur, Bhadaura
			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 mansoon season. The major rainfall riceved during month of June to September. The average temperature ranges between 9 °C (during Dec.) to 41 °C (during Aril and May)
		Soil:	Clay loam, sandy loam, diara soil (Silt), black soil (Karail soil)

2. **District Profile:**

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.

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
· · · · · · · · · · · · · · · · · · ·	

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 upo	Based upon soil type, soil depth, soil topography and variability of canal irrigation, Ghazipur							
		district has	district has been divided into three major agro-ecological situations. There are a total 08 b							
		in Ghazipı	ır district. S	oil is deficier	ıt in man	y of the	nutri	ents. Crop production,	Vegetable	
		production	, Fodder pro	duction, and	lairy man	agement	t are i	nain occupation of the	farmers as	
		given in th	given in the following table:							
			Crop	Fodder	V	egetable	е	Dairy		
			Paddy	Jowar	T	omato		Cow jerky		
			Wheat	Chari	В	rinjal		Buffalo Murrah		
			Arhar	Berseem	C	colecrops	3	Poultry- improved		
			Maize	Bajara	O	nion		Goatry- barbery		
AES-2	Clay Loam,	This situati	on is observ	ed in the north	ern part o	of distric	t inclu	uding Kasimabad block	having	
	Sandy Loam	only 29.99	9% of geogra	phical area. Po	eople rear	desi bre	ed of	cow, buffalo, goat and p	oultry and	
		piggery in	piggery in few of the pockets.							
			Crop	Vegetable		Fodder		Dairy		
			Paddy		Tomato			Cow Jercy/Desi		
			Wheat	Potato	Potato			Buffalo Murrah/Desi		
			Arhar	Cauliflowe	r	Chari		Goatry- barbery/Desi		
			Gram	Radish		Bersee	m	Poultry-improved		
			Pea	Chilli						
AES-3			-					adabad, Barachawar, Bl		
	Balck Soil							e soils in this situation a		
	(Karail Soil)	predomina	ntly low land				Masso	or, Gram and vegetables	3:	
			Crop	Fodder	Vegetal		Dai	•		
			Paddy	Jowar	war Tomato			v Jercy/Desi		
			Wheat	Chari	J			falo Murrah/Desi		
			Arhar	Berseem	1 11111		Goa	t- improved/Desi		
			Gram		Cabbag					
			Pea		Cauliflo	wer				
			Toria		* 11	~				
			Lentil		Ladies f	inger				

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)	Tempe	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.
Crossbred	4710	1884 kg.	0.40 kg.
Indigenous	38748	8687 kg.	0.25 kg.
Poultry	1	1	
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)

SI.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 pigeoan pea, rice, Wheat, vegetables banana. Due to poor crop management, light soil, infestation of insects and pests, imbalance use of fertilizers.	Seed production: Pigeaon pea, Rice, Wheat, Lentil Vegetable production: green pea, Tomato, Chilli, Brinjal Aromatic plant production: Mentha Fruit: Banana	
	Ram		Ramgarh, Devali, Asna	Diag	Low yield of Wheat due to prolonged high moisture content in Paddy fields & late sowing of Wheat.	Seed production : Rice & Wheat Resource Conservation: Wheat	
2. Kasii	Kasimabad	Kasimabad	Gopalpur,Nagawan, Manorathpur	Rice, Wheat	Low yield of Rice due to old & local varieties & attack of insects and disease	IPM in Rice Rearing of goats, and backyard poultry, legumnous 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: Pigeaon 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	Main crop	Inter crop	Equivalent	Cost of	Net income(Rs/ha)	B.C:	Remark if
Interventions	Yield(q/ha)	Yield(q/ha)	yield(q/ha)	cultivation(Rs/ha)*		Ratio	any

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

Before	Main crop	Inter crop	Equivalent	Cost of	Net income(Rs/ha)	B.C:	Remark if
Interventions	Yield(q/ha)	Yield(q/ha)	yield(q/ha)	cultivation(Rs/ha)*		Ratio	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	Main crop	Inter crop	Equivalent	Cost of	Net income(Rs/ha)	B.C:	Remark if
Interventions	Yield(q/ha)	Yield(q/ha)	yield(q/ha)	cultivation(Rs/ha)*		Ratio	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) *

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) * 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

<u> </u>			onio or manaa	<u> </u>	100 10 / 111111 11111	<u>g _</u> c.c		
OFT (T	echnology Asses	ssment and	Refinement)	FLD (Oilseeds, Pulses, Cotton, Other				
					Crops/En	terprises)		
	1				2			
Numl	per of OFTs	Total no. of Trials		Area in ha		Numbe	er 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)









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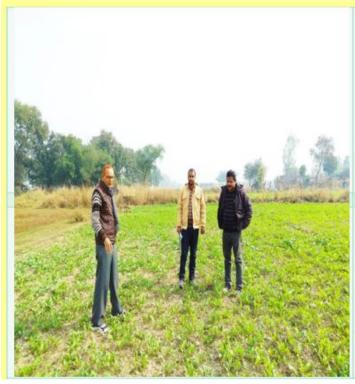
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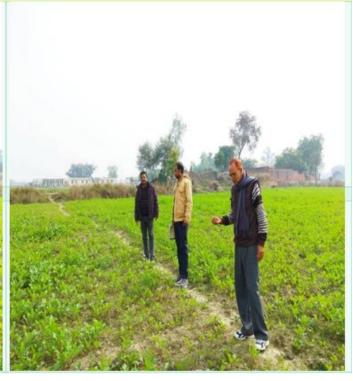
फसल – मसूर (PL 08)





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 (incl	uding spons	ored, vocation	al and othe	er trainings)	Extension Activities				
		3				4			
Number of Courses		Number of Participants		Number of activities		Number of participants			
Clientele	Targets	Achieveme nt	Targets	Achieveme nt	Targets	Achiev ement	Targets	Achiev ement	
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	



Extension Activity

Off Campus

Off Campus



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

Sc	oil/plant/water Aı	nalysis							
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 farmer
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*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:

Cost of cultivation: Rs. 40000/ha
 Gross Return: Rs. 200000/ha
 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	7	6.0	1,10,000
T2 – Azad P-3	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, Ghazipir 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 MnSo4in 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	Them atic area	Technol ogy Demons trated	Season and year	Area (ha) No. of farmers/ Demonstration			Reasons for shortfall in achieveme nt		
					Propos ed	Actual	SC/ST	Others	Total	
1.	Pigeon Pea (NDA-2)	Varietal Evaluati on	•	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 Evaluati on		Rabi 2019-20	10.0	10	0	21	21	
4.	Wheat (HD- 2967)	Varietal Evaluati on		Rabi 2019-20	5.0	7.6	0	19	19	
5.	Potato Crop	Varietal Evaluati on		Rabi 2019-20	2.0	2.0	1	8	9	

Details of farming situation

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

Lentil (PL-08)	Rabi- 2019- 20	Irrigat ed	Sandy Loam	M	M	L	Paddy	First Week of November 2019	Second week of March 2020	
Wheat (HD-2967)	Rabi- 2019- 20	Irri gat ed	Sandy Loam	M	M	L	Paddy	III rd Week of November 2019	Last week of March 2020	
Potato Crop	Rabi- 2019- 20	Irrigat ed	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/convinced 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
			Field Day on Pigeon Pea Crop	23.09.19	18	-
1	Field days	3	Field Day on Lentil Crop	27.11.19	15	-
			Field Day on Mustard Crop	15.12.19	17	-
			ICM Of Toria & Mustard Crop	13.09.19	23	-
		8	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	-
2	Farmers Training		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	-	-	-	-

						27
			Diversification of Agriculture	15 Sept. 19	20	-
	Training for extension		ICM of Rabi Oil Seeds, Rabi Vegetable Production Technique	30 to 31 Oct, 19	40	-
4	functionaries	5	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

_	Thematic	technology		No. of	Area			eld (q/ha)		. %	Ecor	omics of ((Rs./	lemonstra ha)	tion	E	conomics (Rs./	of check ha)	
Crop	Area	demonstrated	Variety	Farmers	Area (ha)		Den		Check	Increase in yield	Gross	Gross	Net	BCR	Gross	Gross	Net	BCR
						High	Low	Average	J.1.0011	,	Cost	Return	Return	(R/C)	Cost	Return	Return	(R/C)
Groundnut																		
Sesamum																		
Mustard	ICM	Improved Seed &	NDR-	24	10	22.3	15.9	20.5	14.6	40.41	14820	90713	75893	6.12	13950	64605	50655	4.63
		Bio Fertilizer	8501															
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

_	Thematic	technology		No. of	Area			ield (q/ha)		. %	Econ	omics of o		tion	E	conomics (Rs./	of check ha)	
Crop	Area	demonstrated	Variety	Farmers	(ha)	High	Den Low	no Average	Check	Increase in yield	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
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
	Evaluation	Occu																
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 Other crops

Category &	Thematic	Name of the	No. of	Area		Yi	eld (q/ha)		% Change		her neters	Econ	omics of d (Rs./	emonstra ha)	tion	Econ	omics of	check (Rs	./ha)
Crop	Area	technology	Farmers	(ha)	High	Dem	o Average	Check	in Yield	Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Cereals					ingn	LOW	Average								/				, , ,
Paddy																			
Waterlogged Situation																			
Coarse Rice																			
Scented Rice																			
Wheat	Varietal Evaluation	Improved Variety Seed	19	7.6	54.8	48.3	52.5	41.7	25.90	-	-	22400	101063	78663	4.51	20100	80273	60173	3.99
Wheat Timely sown																			
Wheat Late Sown																			
Mandua																			
Manua																			
Barley																			
Maize																			
Amaranth																			
Amaranti																			
Millets																			
Jowar																			

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Potato	Varietal Evaluation	Improved Variety Seed	9	2.0	342	290	300	240	25.0	-	-	80000	270000	190000	3.38	65000	216000	151000	3.32
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^{*} Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

FLD on Livestock

Category	Thematic area	Name of the technology	No. of Farmer	No.of Units (Animal/	Major pa	rameters	% change	Other pa	ırameter	Econo	omics of d (Rs	emonstra .)	ition	E	conomics (Rs	of check	•
		demonstrated		Poultry/ Birds, etc)	Demo	Check	in major parameter	Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Cattle																	
Buffalo																	
Buffalo Calf																	
Dairy																	
Poultry																	
Sheep & Goat																	

Vaccination									

^{*} 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 Fisheries

Cotogony	Thematic	Name of the	No. of	No.of	Major pa	rameters	% change	Other pa	rameter	Econor	mics of der	nonstratio	n (Rs.)	E	Economic: (R	s of check s.)	
Category	area	technology demonstrated	Farmer	units	Demons ration	Check	in major parameter	Demons ration	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Common Carps																	
Composit e fish culture																	
Feed Managem ent																	

^{*} 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 Other enterprises

Name of the technology	No. of Farmer	No.of units	Major par	ameters	% change in major	Other p	arameter	Econo	mics of de or Rs	monstratio ./unit	n (Rs.)				
demonstrated			Demo	Check	parameter	Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
	technology	technology Farmer	technology Farmer units	technology Farmer units	technology Farmer units	technology Farmer units in major	technology Farmer units in major	technology Farmer units in major	technology demonstrated	technology demonstrated	technology demonstrated	technology demonstrated Farmer units in major demonstrated Demo Check parameter Demo Check Gross Gross Net BCR	technology demonstrated Farmer units Demo Check parameter Demo Check Gross Gross Net BCR Gross	technology demonstrated Farmer units in major parameter Demo Check Gross Gross Net BCR Gross Gross Gross	technology demonstrated Farmer units in major in major or Rs./unit (Rs.) or Rs./unit

Value Addition								
Vermi Compost								

FLD on Women Empowerment

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

FLD on Farm Implements and Machinery

Name of the implement	Crop	Technology demonstrated	No. of Farmer	Area (ha)	Major parameters	Filed obs (output/m		% change in major	Labo	r reduction	n (man day	s)		Cost redu /ha or Rs.		.)
						Demo	Check	parameter	Land preparation	Sowing	Weedin g	Total	Land preparati on	Labour	Irrigati on	Total

FLD on Other Enterprise: Kitchen Gardening

Category and Crop	Thematic area	Name of the technology	No. of Farmer	No. of Units	Yield	(Kg)	% change	Other p	arameters	Ecoi	nomics of o		tion	E	conomics= (Rs./l		
		demonstrated			Demons ration	Check	in yield	Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)

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

						Yield (q/l	na)			Econo	mics of dem	onstration (Rs.	./ha)
Crop	technology demonstrated	Hybrid Variety	No. of Farmers	Area (ha)		Demo	,	Check	% Increase in yield	Gross	Gross	Net Return	BCR (R/C)
				\/	High	Low	Average	GIICGK	,	Cost	Return	Net Neturn	(R/C)
Oilseed crop													
Pulse crop													
Cereal crop													
Vegetable crop													
Fruit crop													
Other (specify)													

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

III. Training Programme (Jan 2019 to December 2019)

Farmers' Training including sponsored training programmes (on campus)

Thematic area	No. of			_	I	Participan	ts			
	courses	M-1-	Others	T-4-1	M-1-	SC/ST	T-4-1		Frand Total	
I Crop Production		Male	Female	Total	Male	Female	Total	Male	Female	Total
Weed Management										
Resource Conservation Technologies										
Cropping Systems										
Crop Diversification										
Integrated Farming										
Micro Irrigation/irrigation										
Seed production										
Nursery management										
Integrated Crop Management										
Soil & water conservation										
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	<u> </u>	1								
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)	<u> </u>	1								
Total (d)	<u> </u>	1								
e) Tuber crops										
Production and Management technology										
Processing and value addition										
Others (pl specify)										
Total (e)		1								
f) Spices										
Production and Management technology										1
Processing and value addition	<u> </u>	1								
Others (pl specify)										
Carrers (proposity)	l	1			ļ					

	l	i	İ	i	Ì	İ	İ	İ	İ	40
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										
Nutrient Use Efficiency										
Balance use of fertilizers										
Soil and Water Testing										
Others (pl specify)										
Total										
IV Livestock Production and Management										
Dairy Management										
Poultry Management										
Piggery Management										
Rabbit Management										
Animal Nutrition Management										
Disease Management Feed & fodder technology										
Production of quality animal products										
Others (pl specify)										
Total										
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 Machinary 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										
Integrated Disease Management Bio-control of pests and diseases										
Production of bio control agents and bio										
pesticides										
Others (pl specify)										
Canara (proposity)	1	i	<u> </u>	<u> </u>	<u> </u>	1	<u> </u>	<u> </u>	1	<u> </u>

Total	1 1	1		1	l	l	I	41
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				I	Participan	ts			
	courses		Others			SC/ST		(Frand Tota	al
		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

Production of organic inputs Others (pl specify)										
Total	12	182	17	199	70	19	89	252	36	288
II Horticulture	12	102	17	1//	70	17	0)	232	30	200
a) Vegetable Crops										
Production of low value and high valume crops										
Off-season vegetables										
Nursery raising	2	33	1	34	7	2	9	40	3	43
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation Others (pl specify)	5	77	9	86	26	12	38	103	21	124
Total (a)	7	110	10	120	33	14	47	143	24	167
b) Fruits	,	110	10	120	33	17	4/	143	24	107
Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit										
Management of young plants/orchards										
Rejuvenation of old orchards	1	12	2	14	4	0	4	16	6	22
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques							_			
Others (pl specify)	1	18	2	20	5	0	5	23	2	25
Total (b)	2	30	4	34	9	0	9	39	8	47
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										
Nutrient Use Efficiency										
Balance use of fertilizers										
Soil and Water Testing										
Others (pl specify)										
Total										
IV Livestock Production and Management										
Dairy Management										

D. I. M.	İ	İ	Ì	İ	Ī	Ì	İ	Ī	Ì	43
Poultry Management										
Piggery Management Rabbit Management										
Animal Nutrition Management										
Disease Management										
Feed & fodder technology										
Production of quality animal products										
Others (pl specify)										
Total										
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 Machinary 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										
Integrated Disease Management										
Bio-control of pests and diseases										
Production of bio control agents and bio										
pesticides										
Others (pl specify)										
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 IV Production of Impute at site										
IX Production of Inputs at site Seed Production										
Planting material production										
Bio-agents production										
210 agona production	I	1		1			l			

										. 44
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	21	322	31	353	112	33	145	434	68	502

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

Thematic area	No. of				I	Participan	ts			
	courses		Others			SC/ST		(Grand Tot	al
		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
Production of organic inputs										
Others (pl specify)										
Total	12	182	17	199	70	19	89	252	36	288
II Horticulture										
a) Vegetable Crops										
Production of low value and high valume crops										
Off-season vegetables										
Nursery raising	2	33	1	34	7	2	9	40	3	43
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation										
Others (pl specify)	5	77	9	86	26	12	38	103	21	124
Total (a)	7	110	10	120	33	14	47	143	24	167
b) Fruits										
Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit										
Management of young plants/orchards										

Rejuvenation of old orchards	1	12	2	14	4	0	4	16	6	45
Export potential fruits	1	12		1 1			 	15		
Micro irrigation systems of orchards		1		1						
Plant propagation techniques										
Others (pl specify)	1	18	2	20	5	0	5	23	2	25
Total (b)	2	30	4	34	9	0	9	39	8	47
c) Ornamental Plants		30	-	34		•		37		
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		+		 				<u> </u>	-	
Others (pl specify)		1		+				-	-	
Total (e)		+		+				 	 	
f) Spices		+		+				<u> </u>		
Production and Management technology				1				<u> </u>		
Processing and value addition				1						
Others (pl specify)				1						
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		1								
Integrated Nutrient Management Production and use of organic inputs		-		-						
Management of Problematic soils										
Micro nutrient deficiency in crops										
Nutrient Use Efficiency										
Balance use of fertilizers										
Soil and Water Testing										
Others (pl specify)				1						
Total		1		1				1		
IV Livestock Production and Management										
Dairy Management		<u>L</u>		<u></u>				<u></u>		
Poultry Management										
Piggery Management										
Rabbit Management				1				ļ		
Animal Nutrition Management		1		ļ				ļ		
Disease Management		1		ļ				ļ		
Feed & fodder technology		1	1	1				ļ		
Production of quality animal products		1	-	1			1		-	1
Others (pl specify)		1	1	1			1	-	-	1
Total		1		+			1	 	1	1
V Home Science/Women empowerment Household food security by kitchen gardening		1		+				-		
and nutrition gardening										
Design and development of low/minimum cost				+		1		 		
diet										
Designing and development for high nutrient		1		1				<u> </u>		
efficiency diet										
Minimization of nutrient loss in processing				1						
William Zation of natificit 1033 in Diocessing			i .				1			1
Processing and cooking										

			•		1		1	46
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 Machinary 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								
Integrated Disease Management								
Bio-control of pests and diseases								
Production of bio control agents and bio								
pesticides								
Others (pl specify)								
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	1	<u> </u>		<u> </u>				
Production of Bee-colonies and wax sheets	1							
Small tools and implements								
Production of livestock feed and fodder	-							
Production of Fish feed								
Mushroom Production	1							
Apiculture	<u> </u>							
Others (pl specify)								
Total	-							
X Capacity Building and Group Dynamics	-							
Leadership development								
Group dynamics	1							
Formation and Management of SHGs							i .	1
Formation and Management of SHGs Mobilization of social capital								

WTO and IPR issues		ĺ			ĺ					l . ,
Others (pl specify)										
Total										
XI Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (pl specify)										
Total										
GRAND TOTAL	21	322	31	353	112	33	145	434	68	502

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

	No. of				No. of	f Participants	1			
Area of training	Courses	Male	General Female	Total	Male	SC/ST Female	Total	Male	Grand Total Female	l Total
Nursery Management of		Male	remaie	Total	Male	remaie	1 otai	Male	remaie	Total
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 Sericulture										
Repair and maintenance of farm										
machinery and implements										
Value addition										
Small scale processing										
Post Harvest Technology										<u> </u>
Tailoring and Stitching										<u> </u>
Rural Crafts										<u> </u>
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										<u> </u>
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 (Off campus)

	No. of		General		No. of	Participant SC/ST	S	1	Cwand Tata	1
Area of training	Courses		Femal						Grand Tota	
	Courses	Male	e	Total	Male	Female	Total	Male	Female	Total
Nursery Management of	3	155	30	185	35	10	45	190	40	230
Horticulture crops		133	30	103	33	10	43	190	40	230
Training and pruning of	1	16	0	16	4	0	4	20	0	20
orchards	1	10	U	10	4	U	4	20	U	20
Protected cultivation of	1	19	0	19	1	0	1	20	0	20
vegetable crops	1			19		U	1	20	U	
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	1	80	30	110	45	20	65	125	50	175
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 (ICM)	13	836	232	1073	322	109	431	1158	341	1499
TOTAL							-	200	-	
IOIAL	27	1453	410	1873	550	197	1112	3	607	2610
	41	1433	410	10/3	330	17/	1114	J	007	∠ 010

$Training\ for\ Rural\ Youths\ including\ sponsored\ training\ programmes - CONSOLIDATED\ (On+Off\ campus)$

					No. of	Participant	s			
Area of training	No. of		General			SC/ST		G	Frand Tota	l
Area of training	Courses	Male	Female	Total	Male	Female	Total	Male	Femal e	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	1	80	30	110	45	20	65	125	50	175
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 (ICM)	13	836	232	1073	322	109	431	1158	341	1499
TOTAL	27	1453	410	1873	550	197	1112	2003	607	2610

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

	No. of				No.	of Particip	pants			
Area of training	Course		General			SC/ST		(Frand Tota	al
	s	Mal	Femal	Tota	Mal	Femal	Tota	Mal	Femal	Tota
		e	e	l	e	e	l	e	e	l
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										ľ
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										
TOTAL										

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

	No. of				No. o	of Particip	oants			
Area of training	Course		General			SC/ST		(Frand Tota	al
	s	Mal	Femal	Tota	Mal	Femal	Tota	Mal	Femal	Tota
		e	e	l	e	e	l	e	e	l
Productivity enhancement in field crops	2	30	0	30	10	0	10	40	0	40
Integrated Pest Management			•	·					·	

										30
Integrated Nutrient management	1	80	30	110	45	20	65	125	50	175
Rejuvenation of old orchards										
Protected cultivation technology	1	80	20	100	15	5	20	95	25	120
Production and use of organic inputs										
Care and maintenance of farm machinery and										
implements	1	60	0	(0)	20	0	20	90	0	90
Gender mainstreaming through SHGs	1	60	0	60	20	0	20	80	0	80
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 (Soil Health)	1	14	0	14	6	0	6	20	0	20
Any other (Seed Production)	1	18	0	18	2	0	2	20	0	20
Any other (Bee Keeping)	1	14	0	14	6	0	6	20	0	20
Any other (ICM)	2	155	35	190	28	7	35	183	42	225
TOTAL	10	451	85	536	132	32	164	583	117	700

$\label{thm:constraint} \textbf{Training programmes} - \textbf{CONSOLIDATED} \ (\textbf{On} + \textbf{Off campus})$

	No. of				No.	of Particij	pants			
Area of training	Course		General			SC/ST		(Grand Total	al
	s	Mal	Femal	Tota	Mal	Femal	Tota	Mal	Femal	Tota
		e	e	l	e	e	1	e	e	l
Productivity enhancement in field crops	2	30	0	30	10	0	10	40	0	40
Integrated Pest Management										
Integrated Nutrient management	1	80	30	110	45	20	65	125	50	175
Rejuvenation of old orchards										
Protected cultivation technology	1	80	20	100	15	5	20	95	25	120
Production and use of organic inputs										
Care and maintenance of farm machinery and										
implements										
Gender mainstreaming through SHGs	1	60	0	60	20	0	20	80	0	80
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 (Soil Health)	1	14	0	14	6	0	6	20	0	20
Any other (Seed Production)	1	18	0	18	2	0	2	20	0	20
Any other (Bee Keeping)	1	14	0	14	6	0	6	20	0	20
Any other (ICM)	2	155	35	190	28	7	35	183	42	225
TOTAL	10	451	85	536	132	32	164	583	117	700

Table. Sponsored training programmes

	No. of Courses	No. of Participants									
Area of training			General			SC/ST		Grand Total			
		Male	Female	Total	Male	Female	Total	Male	Female	Total	
Crop production and management											
Increasing production and productivity of crops	12	703	200	908	299	102	401	1002	302	1304	
Commercial production of vegetables	4	245	90	340	83	30	348	328	120	448	
Production and value addition											
Fruit Plants	1	90	50	140	50	25	215	140	75	215	
Ornamental plants	1	80	20	100	15	5	20	95	25	120	
Spices crops											
Soil health and fertility management	2	155	35	190	28	7	35	183	42	225	
Production of Inputs at site											

3.5.4. 1. 6				1						31
Methods of protective cultivation	1	15	0	15	5	0	5	20	0	20
Others (pl. specify)	2	120	35	155	55	20	185	175	55	230
Total	23	1408	430	1848	535	189	1209	1943	619	2562
Post harvest technology and value addition										
Processing and value addition										
Others (pl. specify)										
Total										
Farm machinery										
Farm machinery, tools and implements										
Others (pl. specify)										
Total										
Livestock and fisheries										
Livestock production and management										
Animal Nutrition Management										
Animal Disease Management										
Fisheries Nutrition										
Fisheries Management										
Others (pl. specify)										
Total										
Home Science										
Household nutritional security										
Economic empowerment of women										
Drudgery reduction of women										
Others (pl. specify)										
Total										
Agricultural Extension										
Capacity Building and Group Dynamics	1	60	0	60	20	0	20	80	0	80
Others (pl. specify)										
Total	1	60	0	60	20	0	20	80	0	80
GRAND TOTAL	24	1468	430	1908	555	189	1229	2023	619	2642

Name of sponsoring agencies involved: Department of Agriculture, Ghazipur

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

A (64 * . * . ·	No. of										
Area of training	Courses	General SC/ST					Grand Total				
		Male	Female	Total	Male	Female	Total	Male	Female	Total	
Crop production and management											
Commercial floriculture										<u> </u>	
Commercial fruit production											
Commercial vegetable production										<u> </u>	
Integrated crop management											
Organic farming											
Others (pl. specify)											
Total											
Post harvest technology and value											
addition										ł	
Value addition											
Others (pl. specify)											
Total											
Livestock and fisheries											
Dairy farming											
Composite fish culture											
Sheep and goat rearing											
Piggery											
Poultry farming											
Others (pl. specify)											
Total											
Income generation activities											
Vermicomposting											
Production of bio-agents, bio-											
pesticides,										ł	
bio-fertilizers etc.											
Repair and maintenance of farm											
machinery and implements										l	
Rural Crafts											
Seed production	4	70	0	70	10	0	10	80	0	80	
Sericulture											
Mushroom cultivation											
Nursery, grafting etc.											
Tailoring, stitching, embroidery,	†										
dying etc.										ł	

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 amps (Number of animals treated)	
Others (pl. specify)	
Total	37

N 6			Type of Messages									
Name of KVK	Message Type	Cro p	Livestoc k	Weathe r	Marke- ting	Aware- ness	Other enterprise	Tota l				
	Text only											
	Voice only	320	0	60	30	50	20	480				
	Voice & Text both											

Total Messages							
Total farmers	320	0	60	30	50	20	480
Benefitted		ŭ	00				

V. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Number of KVKs organised Technology Week	Types of Activities	No. of Activitie	Number of Participant s	Related crop/livestock technology
Technology Week	Gosthies	, s	5	
	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						
F'1						
Fiber crops						
Forest Species						

Others			
Total			

Production of planting materials by the KVKs

Сгор	Name of the crop	Name of the variety	Name of the hybrid	Number	Value (Rs.)	Number of farmers
Commercial		·	•			
Vegetable seedlings						
vegetable seedings						
Fruits						
Fruits						
0						
Ornamental plants						
Medicinal and Aromatic						
Plantation						
Spices						
Tuber						
Fodder crop saplings						
roduci crop sapinigs						
Engat Carrie						
Forest Species						
Others						
Total						

Production of Bio-Products

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

Table: Production of livestock materials

	Name of the breed	Number	Value (Rs.)	No. of Farmers
Particulars of Live stock			, , ,	
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 (No.) Visit by farmers (No.)						

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

Introduction of	alternate cro	ps/varieties
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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 d	lays	Farmers f	air	Exhibition		Film sl	how
	No.	No.of	No.	No.of	No.	No.of	No.	No.of	No.	No.of	No.	No.of
		farmers		farmers		farmers		farmers		farmers		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 Zoi	ıal Proie	ect Directorate
--	-----------	-----------------

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

XIV. CASE STUDIES (CASE STUDIES MAY BE GIVEN IN DETAIL AS PER THE FOLLOWING FORMAT) Each Zone should propose a minimum of three case studies with good action photographs (with captions on the backside of the hard copy of the photos) on the following topics

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

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

Name of the KVK

TITLE

Introduction

KVK intervention Output Outcome Impact

XIV. AGRICULTURAL TECHNOLOGY INFORMATION CENTRE (2019)

A. Details on ATICs

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

B. Details on Farmer's visit (Jan 2019 to Dec 2019)

S. No	Purpose of visit	Number of farmer's visited
01	Technology Information	250
02	Technology Products	52
03	Others if any pl. specify	48

C. Facilities in the ATIC which are in operation

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

D. Technology information provided

D.1. Details on technology information (Jan 2019 to Dec 2019)

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

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 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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