

# REVISED ACTION PLAN

## (April, 2019 to March, 2020)

### 1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E-mail	Website
	Office	Fax		
Krishi Vigyan Kendra Rustam Nagar (Bilari) Moradabad (U.P.) - 202411	05921- 270044	-	moradabadkvk@gmail.com	www.moradabad.kvk4.in

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

Address	Telephone		E-mail	Website
	Office	FAX		
S.V.P.U. & T. Meerut (U.P.) - 250110	0121- 2411511	0121- 2411511	deesvpuat2014@gmail.com	www.svbpmeerut.ac.in

1.2.b. Status of KVK website : Yes

1.2. c. No. of Visitors (Hits) to your KVK website (as on today) : 228





1.2.d. Status of ICT Lab at your KVK : Establish







#### 1.3. Name of the Sr. Scientist & Head with phone & mobile No

Name	Telephone / Contact		
	Residence	Mobile	E-mail
Dr. Ram Karan Singh	-	9412809032	moradabadkvk@gmail.com

1.4. Year of sanction: 2004 (F.No.2-11/99-AE-11(PT) dated 13.12.2004

### 1.5. Staff Position (as on 31<sup>st</sup> May. 2019)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay scale (Rs.)	Grade pay	Present Basic	Date of Joining	Permanent / Temporary	Category	Mobile No.	Email id	Please attach recent photograph
1.	Sr. Scientist & Head	Dr. R.K. Singh	Prof. & Head	Agricultural Extension	37400-67400	10000	57490+10000	14-10-2010	Permanent	OBC	+91-9412809032	<a href="mailto:moradabadkvk@gmail.com">moradabadkvk@gmail.com</a>	
2.	Subject Matter Specialist	Dr. Sukh Dev Singh	SMS/ Prof.	Agro-forestry	37400-67400	9000	53420+9000	05-07-2011	Permanent	OBC	+91-9412522255		
3.	Subject Matter Specialist		Vacant	Horticulture									
4.	Subject Matter Specialist	Dr. Hasan Tanveer	SMS/ Asst. Prof.	Plant Breeding	15600-39100	6000	22220	23-06-2008	Permanent	Others	+91-9369156642	<a href="mailto:htshahi@yahoo.com">htshahi@yahoo.com</a>	
5.	Subject Matter Specialist	Dr. Mohan Singh	SMS/ Asst. Prof.	Soil Science	15600-39100	7000	25980	25-06-2008	Permanent	OBC	+91-9457802593	<a href="mailto:drmsinghkvk@gmail.com">drmsinghkvk@gmail.com</a>	
6.	Subject Matter Specialist		Vacant	Plant Protection	15600-39100								
7.	Subject Matter Specialist		Vacant	Agronomy	15600-39100								
8.	Subject Matter Specialist		Vacant		15600-39100								

9.	Farm Manager	Dr. Hambir Singh	Farm Manager	Plant Breeding	9300-34800	-	50500	18-08-2007	Permanent	OBC	+91-9759173168		
10.	Prog. Assistant	Sri. Nagendra Pratap Singh	Prog. Assistant	Computer	9300-34800	-	50500	01-09-2007	Permanent	SC	+91-9412060554	<a href="mailto:nagendrapratap1973@gmail.com">nagendrapratap1973@gmail.com</a>	
11.	Prog. Assistant		Prog. Assistant	Vacant	9300-34800	-							
12.	Accountant / Superintendent	Sri. Sanjay Kumar Sharma	Accountant / Superintendent	Accounts	9300-34800	-	64100	18-09-2000	Permanent	BC	+91-9412650468	<a href="mailto:sksharmakvk@gmail.com">sksharmakvk@gmail.com</a>	
13.	Stenographer / computer operator	Sri. Ajay Tomar	Stenographer / computer operator		5200-20200	-	38100	30-07-2007	Permanent	Others	+91-8171960800	<a href="mailto:ajaytomarmbd@gmail.com">ajaytomarmbd@gmail.com</a>	
14.	Driver	Sri Virendra Kumar Mishra	Driver	Driver	5200-20200	-	32300	05-12-2003	Permanent	Gen.	+91-9984580773		
15.	Driver	Vacant	Driver	Vacant		-			Permanent				
16.	Supporting staff	Sri. Ram Kishore	Supporting staff		2550-3290	-	33300	09-01-1996	Permanent	SC	+91-9837137652	Retired on 31 <sup>st</sup> May 2019	
17.	Supporting staff	Sri Sarvesh Kumar	Supporting staff	-	2550-3290	-	26000	27-02-2008	Permanent	OBC	+91-9548115024		

**1.6. Total land with KVK (in ha): 17.5**

S. No.	Item	Area (ha)
1	Under Buildings, ,Road, Channels and boundary etc.	3.0984
2.	Under Demonstration Units	0.0016
3.	Under Crops	13.300
4.	Orchard/Agro-forestry	0.600
5.	Pond	-
5.	Others (specify)	0.5000

**1.7. Infrastructural Development:**

**A) Buildings**

S. No.	Name of building	Source of funding	Stage						Required Now	Needs renovation
			Complete			Incomplete				
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction		
1.	Administrative Building	ICAR		510	43.65	2006		Completed		
2.	Farmers Hostel	ICAR		300	22.92	2006		-do-		
3.	Staff Quarters (6)	ICAR		431	26.72	2006		-do-		
4.	Demonstration Units (2)	ICAR		160	11.05	2006		-do-		
5	Fencing	ICAR		2000 R/M	38.43	2006		-do-		
6	Rain Water harvesting system	-	-	-				Not available		
7	Threshing floor	ICAR		300	2.33	2006		Completed		
8	Farm godown	ICAR		60	3.63	2006		-do-		
9	Irrigation Channel	ICAR		1000 M	8.26			-do-		

**B) Vehicles**

Type of vehicle	Year of purchase	Cost (Rs.) Lac	Total kms. Run	Present status
Tractor	2005	3.45	3811	Good condition
Bolero Jeep	2007	4.59	182784	-
Motor cycle	2008	0.52	36873	Good condition

**C) Equipments & AV aids**

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
L.C.D. Projector	2007	57000.00	Good condition
U.P.S.	2007	TRF from H.Q.	Good condition
Solar (Lalten)	2007	4040.00	Good condition
Electric Padestral Fan	2005	2410.00	Good condition
Padestral Fan	2005	1725.00	Good condition
11 cultivator	2005	12265.00	Good condition
14 Tawa Harrow	2005	24540.00	Good condition
Leveller	2005	6870.00	Good condition
Nepseeke Spray (Plastic)	2005	1428.00	Good condition
Foot Sprayer	2005	1362.00	Good condition
Disk Bund Farmer	2006	8250.00	Good condition
Seed Drill	2006	23415.00	Good condition
Hand Rotary Fan	2006	1161.00	Good condition
Trailer for Tractor	2006	64524.00	Good condition
Hand Vinoi Fan	2006	1450.00	Good condition
S.D. Memory cord of LCD with Recorder	2007	4000.00	Good condition
Solar domestic light (Model IV)	2008	25775	Good condition

**1.8. A). Details of SAC meetings to be conducted in the year**

Sl.No.	Date
1. Scientific Advisory Committee	February, 2020

## 2. DETAILS OF DISTRICT

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

S. No	Farming system/enterprise
1.	<b>Major crops</b> – Paddy, wheat, mustard, sugarcane, mentha, lentil, potato.
2.	<b>Crop rotation</b> – Rice- sugarcane, Rice- wheat, urd-mustard-mentha, Jawar-mustard-mentha.
3.	Agriculture + Hort. + Livestock
4.	Agri. + Livestock
5.	Landless + Livestock

### 2.2 Description of agro ecological situations (based on soil and topography)

S. No.	AES	Characteristics of A.E.S.	Major commodities	Farming system	Block
1	I- Central western plain zone of the district	-Loam and clay loam with high fertility - medium rainfall	Rice, wheat, mentha, sugarcane, chili, cauliflower, cabbage, mango, guava, buffalo, cows	Paddy, wheat, sugarcane+ Poplar+ A.H. (Cow, buffalo)	Thakurdwara, Dilari, Moradabad, Bhagatpur Tanda and Chhajlait
2	II. Central western Plain zone/ Central east southern region of the district	-Sandy loam to loam soil of medium fertility - medium rainfall	Rice, wheat, mentha, sugarcane, mustard as well as vegetables (pea, cucumber, chili, tomato, potato) and mango fruit, buffalo, cows	Paddy, wheat, potato, sugarcane, mentha, mustard based systems + horticulture + A.H.	Bilari
3	III Central western plain zone/ central region of the district	-Sandy loam to loam and clay soil of medium fertility - medium rainfall	Rice, wheat, mentha, sugarcane, potato, guava, mango, poplar etc.	Paddy, wheat, sugarcane, mentha based systems + poplar + A.H.+ Hort.	Munda pandey & Kundarki

### 2.3 Soil types

Sl. No	Soil type	Characteristics	Area (ha )
1	Clay loam	Clay loam	81930
2	Sandy soil	Sandy soil	25537
3	Sandy loam	Sandy loam	84518
4	Loam	Loam	126433
Total			317919

#### 2.4. Area, Production and Productivity of major crops cultivated in the district (2017-18)

S. No	Crop	Area (ha)	Production (MT)	Productivity (q /ha)
<b>A</b>	<b>FIELD CROPS INCLUDING OIL SEEDS AND PULSES</b>			
1.	Wheat	123231	456078	37.08
2.	Lentil	584	388	6.64
3.	Mustard /Toria	2354	2957	12.56
4.	Paddy (Rice)	94533	218182	23.08
5.	Bajra	2519	3799	15.08
6.	Urd	30186	2785	8.74
7.	Sugarcane	46496	2951380	634.76 (2016-17)
<b>B</b>	<b>VEGETABLES</b>			
1.	Potato	1071	24036	230.03 (2016-17)
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				

#### 2.5 Weather data (rainfall) Dist. Moradabad

S. No.	Month	2017	2018
1	Jan	26.24	34.46
2	Feb	54.19	15.15
3	March	45.66	56.38
4	April	5.50	25.70
5	May	5.53	34.65
6	June	9.73	194.78
7	July	333.83	367.50
8	Aug	90.70	160.70
9	Sept.	108.35	42.73
10	Oct.	29.83	-
11	Nov.	0.00	-
12	Dec.	37.68	-
	Total rainfall	747.24	932.05
	Average rainfall	62.27	77.67

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

Category	Population	Production	Productivity
<b>Cattle</b>			
<i>Crossbred</i>	11824	Data not available	Data not available
<i>Indigenous</i>	49989		
<b>Buffalo</b>	327097		
<b>Cow</b>	50277		
<b>Sheep</b>			
<i>Crossbred</i>	220		
<i>Indigenous</i>	5667		
<b>Goats</b>	168248		
<b>Pigs</b>	-		
<i>Crossbred</i>	3165		
<i>Indigenous</i>	27159		
<b>Rabbits</b>	-		
<b>Poultry</b>	143957		
Hens	-		
<i>Desi</i>	-		
<i>Improved</i>	-		
Ducks	-		
Turkey and others	-		
Fish	172	5051	29.36

## 2.7 Details of operation area/villages

S. No.	Taluk/Village	Name of block	Major crops & enterprises	Major problem identified	Identified thrust area
1	Fattepur Natha	Bilari	Paddy, Wheat, Sugarcane Mentha, Mustard, Poplar, Dairy	Low Productivity of paddy, wheat, mustard, urd etc.  The main reason of low yield is due to lack of high yielding varieties, imbalance use of fertilizer & less awareness of insect and disease control timely.	Diversification in agriculture Lack of high yielding varieties.  Less availability of plant protection measures.
2	Bhurmaresi	Bilari	Paddy, Wheat, Sugarcane Mentha, Mustard, Poplar, Dairy	Low Productivity of paddy, wheat, mustard, urd etc.	Diversification in agriculture Lack of high yielding varieties.



				<p>The main reason of low yield is due to lack of high yielding varieties, imbalance use of fertilizer &amp; less awareness of insect and disease control timely.</p> <p>Low yield of paddy, wheat, mentha &amp; mustard</p>	<p>Less availability of plant protection measures.</p> <p>Heavy infestation of weeds.</p>
3	Khanpur	Bilari	<p>Paddy, Wheat, Sugarcane</p> <p>Mentha, Mustard, Dairy, Chilli, bottle guard, colocacia</p>	<p>Poor milk production and infertility in animals.</p> <p>Lack of knowledge of quality planting material and production technology in horticultural crops.</p> <p>Low yield of paddy, wheat, mentha &amp; mustard</p>	<p>Diversification in Agriculture.</p> <p>Use of improved variety and IPM, ICM.</p> <p>Heavy infestation of weeds.</p>
4	Ram Nagar Gangpur	Bilari	<p>Paddy, Wheat, Sugarcane</p> <p>Mentha, Mustard, Poplar, Dairy</p>	<p>Use of local varieties of different crops by the farmers.</p> <p>Pest problems</p> <p>Low yield of paddy, wheat, mentha &amp; mustard</p>	<p>Diversification in Agriculture.</p> <p>Use of improved variety and IPM, ICM.</p> <p>Heavy infestation of weeds.</p>

5	Sihari Ladda	Bilari	Paddy, Wheat, Sugarcane Mentha, Mustard, Dairy, Poplar,Chilli, Onion, Gartic, Cucurbits.	Lack of knowledge of improved varieties of different crops. - Pest problems - Lack of knowledge of inter cropping - Crop management & nutrient management. - Disease & insect control of cereals and vegerable crops. - Poor milk production and infertility in animals	- Diversification in agriculture. - Use of improved varieties.  - Inter cropping technique. - Crop management.  - Weed control  - Unawareness of diseases and insect control.
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## 2.8 Priority/ Thrust Areas

S.N.	Crop/ Enterprise	Thrust area
1.	Rice/Wheat	Integrated plant nutrient management in rice -wheat cropping.
2.	Rice/Wheat	Integrated weed management in rice -wheat cropping
3.	Pulses	Enhancing the area under Kharif & Rabi pulses
4.	Oil seeds	Enhancing the area under Kharif & Rabi oil seeds.
5.	Cereals/Pulses/ Oil seeds	IPM in crops
6.	Cereals/Pulses/ Oil seeds	Promotion of new released varieties.
7.	Seed production	Promotion of seed production in different crops.
8.	Mango	Rejuvenation of old mango orchards
9.	Guava	Management of Guava orchards.
10	Vegetables	Promotion of organic farming in vegetables.
11	Floriculture	Promotion of income generating crops.
12	Bee-keeping	Popularization of Bee-keeping
13	Vermi compost	Popularization of Vermi composting

## 3 .TECHNICAL PROGRAMME

### 3. A. Details of targeted mandatory activities by KVK during 2019-2020

OFT		FLD			
No. of OFTs	No. of Farmers	Crops		Livestock	
		Area (ha)	No. of Farmers	No. of unit	No. of Farmers
07	28	36.4	109	-	-

CFLD – NFSM Project	
Crops	
Area (ha)	No. of Farmers
60.0	150

Training		Extension Activities	
No. of Courses	No. of Participants	No. of activities	No. of participants
87	1470	437	4645

Seed Production (Qtl.)	Planting material (Nos.)	
	Vegetables	Hybrid Napier
400	20000	-

### **3 B Abstract of interventions to be undertaken**

S. No	Thrust areas	Crop/ Enterprise	Identified problem	Title of OFT if any	Title of FLD if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.	Title of Training, if any
1	Intercropping system	Sugarcane	Intercropping	Assessment of suitable intercrop with S.cane in spring season	-	Importance of intercropping in sugarcane + Moong & Sugarcane + Urd/Ground nut as compare to sole crop	Field day	Seed of Moong & Urd/G.nut	Importance of intercropping in sugarcane + Moong & Sugarcane + Urd/G.nut as compare to sole crop
2	Intercropping system	Poplar	Intercropping	Assessment of suitable intercrop with poplar in Rabi season	-	-	Field day	Seed of Wheat	Importance of intercropping in Poplar + Wheat as compare to sole crop
3	Varietal assessment	Onion	-Use local varieties & low production	Assessment of Onion varieties	-	Evaluation of improved varieties of Onion	-	Seed	Promotion of Variety
4	Varietal assessment	Paddy	-Use local varieties & low production	Assessment of HYV of paddy under Rice-wheat system	-	Evaluation of improved varieties of paddy & seed production technique of paddy	-	Seed	Promotion of Variety

5	Varietal assessment of Variety	Wheat	-Poor quality seed & low production due to old variety	Assessment of HYV variety of wheat under late sown condition	-	Wheat varieties & seed prod. tech. of wheat	-	Seed	Promotion of Variety
6	INM	Paddy	Low yield of paddy due to imbalance use of fertilizer	Assessment of nutrient in paddy crop on the basis of soil test.	-	Folic spray of Zinc & Farrous sulphate in paddy			
7	INM	Wheat	Low yield of wheat due to imbalance use of fertilizer	Assessment of nutrient in wheat crop on the basis of soil test.	-	Importance of micro nutrients in wheat crop			
8	Promotion of ICM	Mustard	-No application of Sulphur & No use of weedicide	-	Demonstration of HYV+ weed & Sulphur application	Crop production technology	Field days	-Seed - Sulphur - insecticide - Fungicide	Importance of sulphur & Weed management in mustard
9	Promotion of ICM	Urd	- Use of local/ own seed No use of weedicide	-	Demonstration of HYV& weed management	Crop production technology	Field day	-Seed -Weedicide - Sulphur - Insecticide	Integrated crop production
10	Promotion of ICM	Lentil	- Use of local/ own seed	-	Dem. of HYV	Integrated crop management	Field day	- Seed - Biofertilizer - Fertilizer - Pesticides	Wilt control in lentil
11	Weed management	Wheat	Infestation of weed in wheat field	-	Control of weed management through Sulfo sulfuron	Weed in wheat management in wheat	Field days	Weedicide	- Integrated weed management

12	Promotion of HYV (Hybrid)	Red carrot	Low yield due to old varieties	-	Demonstration of yield potential variety of red carrot	-	Field day	Seed	HYV of red carrot and their prod. Tech.
13	Promotion of HYV	Paddy	Low yield due to old variety of paddy	-	Demo. of HYV of Paddy	High yielding var. of Paddy and production technology	Field Day	- Seed	High yielding var. of Paddy
14	Promotion of variety	Paddy Basmati rice	Low yield due to old variety of Basmati rice	-	Demo. of HYV of basmati rice under rice –wheat system	High yielding variety and seed production tech. of basmati rice	-	Seed	High yielding variety and seed production tech. of basmati rice
15	Promotion of HYV (Timely sown)	Wheat	Low yield due to old variety of wheat	-	Demo. of HYV of wheat	High yielding variety and seed production tech. of wheat		Seed	High yielding variety and seed production tech. of wheat
16	Promotion of HYV (Late sown)	Wheat	Low yield due to old variety of wheat	-	Demo. of HYV of wheat	High yielding variety and seed production tech of wheat	Field day	Seed	High yielding variety and seed production tech. of wheat
17	Balance use of fertilizers	Paddy	Imbalance use of fertilizers	-	Use of water soluble fertilizers in paddy	Importance of Water soluble fertilizer in paddy	Field day	Water soluble fertilizer	

18	Balance use of fertilizers	Wheat	imbalance use of fertilizer	-	Use of water soluble fertilizers in wheat	Balance use of fertilizer in wheat	Field day	Water soluble fertilizer	
19	INM	S.cane	Imbalance use of fertilizers	-	Use of water soluble fertilizers in S.cane	INM in sugarcane use of use of water soluble fertilizers in S.cane	Field day	Water soluble fertilizer	
20	INM	S.cane	Nutrient deficiency	-	Use of nutrient management in S.cane	INM in sugarcane use of bio fertilizer in s.cane (ZnSo4 )	Field day	Sulphur	
21	Varietal Evaluation	Poplar	Replacement of old variety	-	Demon. of improved variety of polar		Field day	Poplar sapling	Management of poplar

### **3.1 Technologies to be assessed and refined**

#### **A. 1 Abstract on the number of technologies to be assessed in respect of crops in respect of OFT**

Thematic areas	Cereals	Oil-seeds	Pulses	Commercial crops	Vegetables	Fruits	Flower	Plantation crops	Tuber crops	Total
Varietal evaluation	2	-	-	-	1	-	-	-	-	3
Seed/plant production	-	-	-	-	-	-	-	-	-	-
Weed management	-	-	-	-	-	-	-	-	-	-
Integrated crop management	-	-	-	1	-	-	-	1	-	2
Integrated Nutrient management	2	-	-	-	-	-	-	-	-	2
Integrated Farming system	-	-	-	-	-	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-	-	-	-	-	-
Drudgery reduction	-	-	-	-	-	-	-	-	-	-
Farm machineries	-	-	-	-	-	-	-	-	-	-
Post harvest technology	-	-	-	-	-	-	-	-	-	-
Integrated pest management	-	-	-	-	-	-	-	-	-	-
Integrated disease management	-	-	-	-	-	-	-	-	-	-
Resource conservation technology	-	-	-	-	-	-	-	-	-	-
Small scale income generating enterprises	-	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>4</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>7</b>



## A.2 Abstract on the number of technologies refined in respect of crops:

Thematic areas	Cereals	Oil-seeds	Pulses	Commercial crops	Vegetables	Fruits	Flower	Kitchen garden	Tuber crops	Total
Varietal evaluation	-	-	-	-	-	-	-	-	-	-
Seed/plant production	-	-	-	-	-	-	-	-	-	-
Weed management	-	-	-	-	-	-	-	-	-	-
Integrated crop management	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient management	-	-	-	-	-	-	-	-	-	-
Integrated Farming system	-	-	-	-	-	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-	-	-	-	-	-
Drudgery reduction	-	-	-	-	-	-	-	-	-	-
Farm machineries	-	-	-	-	-	-	-	-	-	-
Post harvest technology	-	-	-	-	-	-	-	-	-	-
Integrated pest management	-	-	-	-	-	-	-	-	-	-
Integrated disease management	-	-	-	-	-	-	-	-	-	-
Resource conservation technology	-	-	-	-	-	-	-	-	-	-
Small scale income generating enterprises	-	-	-	-	-	-	-	-	-	-
<b>GRAND TOTAL</b>	-	-	-	-	-	-	-	-	-	-

**A.3 Abstract on the number of technologies to be assessed in respect of livestock Enterprises in OFT -**

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitary	Fisheries	Total
Evaluation of Breeds	-	-	-	-	-	-	-	-
Nutrition management	-	-	-	-	-	-	-	-
Disease of management	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-
Production & Management	-	-	-	-	-	-	-	-
Feed and Fodder	-	-	-	-	-	-	-	-
Small scale income generating enterprises	-	-	-	-	-	-	-	-
<b>TOTAL</b>	-	-	-	-	-	-	-	-

**A.4 Abstract on the number of technologies to be refined in respect of livestock/enterprises**

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitary	Fisheries	Total
Evaluation of Breeds	-	-	-	-	-	-	-	-
Nutrition management	-	-	-	-	-	-	-	-
Disease of management	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-
Production and Management	-	-	-	-	-	-	-	-
Feed and Fodder	-	-	-	-	-	-	-	-
Small scale income generating enterprises	-	-	-	-	-	-	-	-
<b>TOTAL</b>	-	-	-	-	-	-	-	-

## B. Details of On Farm Trial:

### OFT-1 INTEGRATED CROP MANAGEMENT Sugarcane crop (Season - Zaid 2020)

Particulars	Contents
<b>Title</b>	Assessment of intercropping of Moong /Urd with Spring S.cane.
<b>Problem diagnosed</b>	Low income due to Sole crop of S.cane
<b>Micro farming situation</b>	Irrigated condition
<b>Details of technology identified for solution</b>	T <sub>1</sub> : Farmers practice (Sugarcane alone) T <sub>2</sub> : Sugarcane+ Moong / Urd
<b>No. of farmers</b>	03
<b>Replications</b>	03
<b>Critical inputs</b>	Moong seed/ Urd seed @ 15 kg/ha .
<b>Production system</b>	Paddy-Wheat- Sugarcane
<b>Source of technology</b>	IISR, Lucknow & SVPU Agri. & Tech., Meerut
<b>Total Cost</b>	Rs. 5000/-
<b>Observation to be recorded</b>	i. No. of tillars (Main crop) ii. Cane yield (q/ha) iii. Inter crop yield (q/ha) iv. Economics.
<b>Name of Scientist</b>	Dr. Sukh Dev Singh Prof. (Agro-forestry)

### OFT-2 INTEGRATED CROP MANAGEMENT Poplar crop (Season – Rabi 2019-20)

Particulars	Contents
<b>Title</b>	Assessment of intercropping of wheat with Poplar.
<b>Problem diagnosed</b>	Low income due to Sole crop of Poplar.
<b>Micro farming situation</b>	Irrigated condition
<b>Details of technology identified for solution</b>	T <sub>1</sub> : Farmers practice (Poplar alone) T <sub>2</sub> : Poplar+ Wheat
<b>No. of farmers</b>	03
<b>Replications</b>	03
<b>Critical inputs</b>	Wheat seed @ 100 kg/ha
<b>Production system</b>	Poplar
<b>Source of technology</b>	I FRI, Dehradun
<b>Total Cost</b>	Rs. 5000/-
<b>Observation to be recorded</b>	i. Height of plant (cm.) ii. Grain yield of Wheat (q/ha) iii. Diameter of Plant (cm) iv. Economics of both crop.
<b>Name of Scientist</b>	Dr. Sukh Dev Singh Prof. (Agro-forestry)

**OFT-3 VARIETAL EVALUATION**  
**Onion crop (Season – Rabi 2019-20)**

Particulars	Contents
<b>Title</b>	Assessment of onion varieties.
<b>Problem diagnosed</b>	Low yield of onion due to use of local/old varieties.
<b>Micro farming situation</b>	Irrigated condition
<b>Details of technology identified for solution</b>	T <sub>1</sub> : Farmers practice (N - 53 ) T <sub>2</sub> : Bheema Red / Beema Dark red
<b>No. of farmers</b>	03
<b>Replications</b>	03
<b>Critical inputs</b>	Onion seed 3 Kg/each location.
<b>Production system</b>	Potato - Onion
<b>Source of technology</b>	ICAR, New Delhi
<b>Total Cost</b>	Rs. 5000/-
<b>Observation to be recorded</b>	i. Height of the plants & Size of onion bulb ii. Yield (q/ha) iii. Duration iv. Economics.
<b>Name of Scientist</b>	Dr. Sukh Dev Singh Prof. (Agro-forestry)

**OFT- 4 VARIETAL EVALUATION**  
**Paddy crop (Season - Kharif 2019)**

Particulars	Contents
<b>Title</b>	Assessment of high yielding variety of paddy under Rice-Wheat system.
<b>Problem diagnosed</b>	Low yield of paddy due to old variety.
<b>Micro farming situation</b>	Irrigated condition
<b>Details of technology identified for solution</b>	T <sub>1</sub> : common variety/farmers' practice T <sub>2</sub> : Pant Dhan 26/other available variety
<b>No. of farmers</b>	05
<b>Replications</b>	05
<b>Critical inputs</b>	Seed of Pant Dhan 26 variety @ 30 kg/ha.
<b>Production system</b>	Rice-wheat
<b>Source of technology</b>	GBPUA&T, Pantnagar
<b>Total Cost</b>	Rs. 1500/- approx.
<b>Observation to be recorded</b>	Plant height, Spike length, Grain yield q/ha, Economics
<b>Name of Scientist</b>	Hasan Tanveer (Plant Breeding)

**OFT-5 VARIETAL EVALUATION**  
**Wheat crop (Season - Rabi 2019-20)**

Particulars	Contents
<b>Title</b>	Assessment of high yielding variety of wheat under late sown condition.
<b>Problem diagnosed</b>	Low yield of late sown wheat due to old variety.
<b>Micro farming situation</b>	Irrigated condition
<b>Details of technology identified for solution</b>	T <sub>1</sub> : PBW 373/common variety (farmers' practice) T <sub>2</sub> : DBW-90/new late variety
<b>No. of farmers</b>	04
<b>Replications</b>	04
<b>Critical inputs</b>	Seed of DBW 90 @ 100 kg/ha.
<b>Production system</b>	Rice-wheat
<b>Source of technology</b>	DBW- 90 (DWR, Karnal)
<b>Total Cost</b>	Rs. 1500/- approx.
<b>Observation to be recorded</b>	Plant height, spike length, Grain yield q/ha, Economics
<b>Name of Scientist</b>	Hasan Tanveer (Plant Breeding)

**OFT-6 INTEGRATED NUTRIENT MANAGEMENT**  
**Paddy crop (Season - Kharif - 2019)**

Particulars	Contents
<b>Title</b>	Assessment of nutrient in paddy crop on the basis of soil test.
<b>Problem diagnosed</b>	Low productivity of paddy due to imbalance use of fertilizers.
<b>Micro farming situation</b>	Irrigated condition.
<b>Details of technology identified for solution</b>	T <sub>1</sub> : Farmers practice (130:40:0:0) T <sub>2</sub> : Nutrient management on the basis of soil test.
<b>No. of farmers</b>	05
<b>Replications</b>	05
<b>Critical inputs</b>	Phosphorous & Potash .
<b>Production system</b>	Rice -Wheat
<b>Source of technology</b>	SVPUA&T, Meerut
<b>Total Cost</b>	Rs. 4500/- approx.
<b>Observation to be recorded</b>	i. Effective tillers per meter row length. ii. 1000 grain weight (g) iii. No. of grain/ear. iv. No. of tillar/hill v. C:B ratio vi. Yield (q/ha)
<b>Name of Scientist</b>	Dr. Mohan Singh, SMS/Assit. Prof. (Soil Science)

**OFT-7 INTEGRATED NUTRIENT MANAGEMENT**  
**Wheat crop (Season - Rabi 2019-20)**

Particulars	Contents
<b>Title</b>	Assessment of nutrient in wheat crop on the basis of soil test.
<b>Problem diagnosed</b>	Low productivity of wheat due to imbalance use of fertilizers.
<b>Micro farming situation</b>	Irrigated condition.
<b>Details of technology identified for solution</b>	T <sub>1</sub> : Farmers practice (120:40:00) T <sub>2</sub> : Fertilizer application on the basis of soil test.
<b>No. of farmers</b>	05
<b>Replications</b>	05
<b>Critical inputs</b>	Phosphorous & Potash
<b>Production system</b>	Rice -Wheat
<b>Source of technology</b>	SVPUA&T, Meerut
<b>Total Cost</b>	Rs. 4500/- approx.
<b>Observation to be recorded</b>	i. Effective tillers per meter row length. ii. 1000 grain weight (g) iii. No. of grain/ear. iv. C:B ratio v. Yield (q/ha)
<b>Name of Scientist</b>	Dr. Mohan Singh, SMS/Assit. Prof. (Soil Science)

## **3.2 Frontline Demonstrations**

### **3.2.1 FLD on Oil seeds & Pulses under NFSM Project**

#### **A. Oil Seeds:**

##### **Mustard**

Crop	Variety	Thematic area	Technology Demonstrated	Critical input	Season and year	Area ( ha)	No. of farmers	Parameter identified
Mustard	R.G.N – 48 / As per availability	Integrated crop management	To demonstrate the HYV (RGN 48), Sulphur application (@ 25 Kg/ha.) & Aphid management in Mustard crop.	<ul style="list-style-type: none"> <li>- Use of HYV</li> <li>- Water soluble fertilizer (18:18:18) @ 5 Kg/ha.</li> <li>- Sulphur application @ 25 kg/ha</li> <li>- Monocrotophos 36% @ 15 lit/ha.</li> <li>- Dithan M – 45 @ 2.0 Kg/ha.</li> <li>- Budget required Rs. 1,20000/-</li> </ul>	<i>Rabi</i> 2019-20	20.0	50	<ul style="list-style-type: none"> <li>- Yield (q/ha.)</li> <li>- B:C ratio</li> </ul>

#### **Extension and Training Activities**

S.No.	Activity	No. of activities	Month	No. of participation
1	Field days	01	Jan/Feb.2020	50
2	Farmers training	02	Oct./Nov.2019	40
3	Media coverage	02	-	-
4	Training for extension functionaries	01	Sept.2019	10

## B. Pulses :

### I. Urdbean

Crop	Variety	Thematic area	Technology Demonstrated	Critical input	Season and year	Area ( ha)	No. of farmers	Parameter identified
Urd bean	PU-31 Or As per availability	Integrated crop management	To demonstrate the HYV (PU- 31), weed mang. (Imazathpyr, Sulphur (@ 25 Kg/ha.) & Yellow mosaic management (Imedaclorpid@ 250 ml/ha.) in urd crop.	<ul style="list-style-type: none"> <li>- Seed (HYV)</li> <li>- Imazathapyr @ 625 ml/ha.</li> <li>- Water soluble fertilizer (18:18:18) @ 5 Kg/ha.</li> <li>- Sulphur @ 25 Kg/ha.</li> <li>- Imidachlorpid @ 250ml/ha.</li> </ul> Total cost= Rs. 150000/-	<i>Kharif</i> 2019	20.0	50	<ul style="list-style-type: none"> <li>- Yield (q/ha.)</li> <li>- B:C ratio</li> </ul>

### Extension and Training Activities

S.No.	Activity	No. of activities	Month	No. of participation
1	Field days	01	Sept./ Oct.2019	25
2	Farmers training	01	Aug.2019	20
3	Media coverage	02	-	-
4	Training for extension functionaries	01	Aug, 2019	10



## II. Lentil

Crop	Thematic area	Technology Demonstrated	Critical input	Season and year	Area ( ha)	No. of farmers	Parameter identified
Lentil	- ICM	- To demonstrate the HYV (PL-8), Sulphur application (@ 25 Kg/ha) + (Blight management (@ 2 Kg Mancozeb)	- HYV of lentil (200 kg) - Sulphur @ 25 Kg/ha. - Rhizobium culture - Water soluble (18:18:18) @ 5 Kg/ha. - Mancozeb @ 2 kg/ha. - Monocrotophas 36% @ 1.5 lit/ha. - Budget required Rs. 1,50,000/-	Rabi 2019-20	20.0	50	- Incidence of wilt disease - Yield (q/ha.) - B:C ratio

## Extension and Training Activities

S.No.	Activity	No. of activities	Month	No. of participation
1	Field days	1	Jan 2020	35
2	Farmers training	1	Oct 2019	20
3	Media coverage	2	-	-
4	Training for extension functionaries	-	-	-

### Sponsored Demonstration C-FLDs under NFSM

<b>Sl. No.</b>	<b>Crop</b>	<b>Area (ha)</b>	<b>No. of farmers</b>
1	Urd (Kharif 2019)	20.0 ha.	50
2	Lentil (Rabi 2019-20)	20.0 ha.	50
3	Mustard (Rabi 2019-20)	20.0 ha.	50
	<b>TOTAL</b>	<b>60.0 ha</b>	<b>150</b>

### 3.2.2 FLD Other than oil seeds & Pulses

#### FLD No. - 1

Crop	Variety	Thematic area	Technology Demonstrated	Critical input	Season and year	Area ( ha)	No. of farmers	Parameter identified
Wheat	DBW 621-50 /HD2967	- Weed management	- Weed management in wheat through Sulfo sulfuron) @ 33 gm/ha.	- Weedicide - Sulfo sulfuron) @ 33 gm/ha. - Total cost : Rs. 15000/-	Rabi 2019-20	4.0	10	- Grain yield q/ha. - Weed population - Economics

#### Extension and Training Activities

S.No.	Activity	No. of activities	Month	No. of participation
1	Field days	01	Feb./March 2019	20
2	Farmers training	01	Oct.2019	20
3	Media coverage	01	-	-

**FLD No. - 2**

Crop	Variety	Thematic area	Technology Demonstrated	Critical input	Season and year	Area ( ha)	No. of farmers	Parameter identified
Carrot	Red carrot	Varietal evaluation	- To demon. the yield potential of Vari. Red carrot	- Seed (1 kg per demo) - Total seed 5 kg  - Total cost :  Rs. 6000/-	Rabi 2019-20	2.0	5	- Length of Carrot - Diameter of Carrot - Yield q/ha. - Economics

**Extension and Training Activities**

S.No.	Activity	No. of activities	Month	No. of participation
1	Field days	01	Oct. 2019	20
2	Farmers training	01	Aug. 2019	20
3	Media coverage	01	-	-

**FLD No. - 3**

Crop	Variety	Thematic area	Technology Demonstrated	Critical input	Season and year	Area ( ha)	No. of farmers	Parameter identified
Paddy	(Pant Dhan 22) / other high yielding variety	Varietal Evaluation	Promotion of high yielding variety Pant Dhan 22 of Paddy	Seed variety – Pant Dhan -22 / other high yielding variety Total cost : Rs. 6000/-	Kharif 2019	2.0	05	- No. of grains/spike - 1000 grain weight (g) - Grain yield q/ha. - Economics

**Extension and Training Activities**

S.No.	Activity	No. of activities	Month	No. of participation
1	Field day	01	September 2019	20
2	Farmers training	02	Aug.2019	40
3	Media coverage	01	-	-

**FLD No. - 4**

Crop	Variety	Thematic area	Technology Demonstrated	Critical input	Season and year	Area ( ha)	No. of farmers	Parameter identified
Paddy	Pant Basmati-2 / Other high yielding variety	Varietal Evaluation	Promotion of high yielding variety Pant Basmati 2 of basmati rice under Rice –wheat system	Pant Basmati-2/ other high yielding variety  Total cost : Rs. 6000/-	Kharif 2019	2.0	05	- No. of grains/spike - 1000 grain weight (g) - Grain yield q/ha. - Economics

**Extension and Training Activities**

S.No.	Activity	No. of activities	Month	No. of participation
1	Farmers training	01	June 2019	20
2	Media coverage	02	-	-

**FLD No. - 5**

Crop	Variety	Thematic area	Technology Demonstrated	Critical input	Season and year	Area ( ha)	No. of farmers	Parameter identified
Wheat	HD 2864/ other high yielding variety	Varietal Evaluation	To demonstrate the yield potential of new variety under timely sown condition	Varieties: HD 2864/ other high yielding variety Total Rs. 6000/ approx.	Rabi 2019-20	1.0	10	- No. of grains/spike - 1000 grain weight (g) - Grain yield q/ha. - Economics

**Extension and Training Activities**

S.No.	Activity	No. of activities	Month	No. of participation
1	Field day	01	February 2020	20
2	Media Coverage	02	-	-
3	Farmers training	01	Jan.2020	20

**FLD No. - 6**

Crop	Variety	Thematic area	Technology Demonstrated	Critical input	Season and year	Area ( ha)	No. of farmers	Parameter identified
Wheat	WR 544/other good variety	Varietal Evaluation	To demonstrate the late sown variety of wheat	Variety : WR 544 /other good variety Total Rs : 6000 /- approx.	Rabi 2019-20	1.0 ha	10	- No. of grains/spik - 1000 grain weight (g) - Grain yield q/ha. - Economics

**Extension and Training Activities**

S.No.	Activity	No. of activities	Month	No. of participation
1	Field days	01	February 2020	20
2	Media coverage	01	-	-
3	Farmers training	02	Jan. 2020	40



**FLD No. – 7**

Crop	Variety	Thematic area	Technology Demonstrated	Critical input	Season and year	Area ( ha)	No. of farmers	Parameter identified
Paddy	PB - 1509	INM	- Nutrient management through water soluble fertilizers (18:18:18) N:P:K in paddy @ 12.5 Kg/ha	18:18:18 N:P:K - 12.5 Kg/ha. @ Rs. 100/ kg. Cost – 1250/- ha. Total cost – Rs. 7500/-	Kharif 2019	6.0	15	- Tillers/m <sup>2</sup> - No. of grains/spike - 1000 gm grain weight - Grain yield q/ha. - Economics

**Extension and Training Activities**

S.No.	Activity	No. of activities	Month	No. of participation
1	Field Day	01	September 2019	20
2	Farmers training	01	April/May 2019	20
3	Media coverage	02	-	Mass

**FLD No. – 8**

Crop	Variety	Thematic area	Technology Demonstrated	Critical input	Season and year	Area ( ha)	No. of farmers	Parameter identified
Wheat	HD-2967	INM	- Nutrient management through water soluble fertilizers (18:18:18) N:P:K in wheat @ 12.5 Kg/ha	18:18:18 N:P:K - 12.5 Kg/ha. @ Rs. 100/ kg. Cost – 1250/- ha. Total cost – Rs. 7500/-	Rabi 2019-20	6.0	15	- Tillers/m <sup>2</sup> - No. of grains/spike - 1000 gm grain weight - Grain yield q/ha. - Economics

**Extension and Training Activities**

S.No.	Activity	No. of activities	Month	No. of participation
1	Field Day	01	Feb. 2020	20
2	Farmers training	01	Nov.2019	20
3	Media coverage	02	-	Mass

**FLD No. – 9**

Crop	Variety	Thematic area	Technology Demonstrated	Critical input	Season and year	Area ( ha)	No. of farmers	Parameter identified
S.cane	CO 0238	- INM	- Nutrient management through water soluble fertilizers (18:18:18) N:P:K in S.cane @ 12.5 Kg/ha .	18:18:18 N:P:K - 13.75 Kg/ha. @ Rs. 100/ kg. Cost – 1375/- ha. Total cost – Rs. 8250/-	Zaid 2020	6.0	15	- Yield (q/ha.) - Economics - Diameter

**Extension and Training Activities**

S.No.	Activity	No. of activities	Month	No. of participation
1	Field Day	01	Feb. 2020	20
2	Farmers training	01	Nov. 2019	20
3	Media coverage	02	-	Mass

**FLD No. – 10**

Crop	Variety	Thematic area	Technology Demonstrated	Critical input	Season and year	Area ( ha)	No. of farmers	Parameter identified
S.cane	CO - 0238	- INM	- Nutrient management through Sulphur @ 30 Kg/ha. in S.cane	Sulphar - 30 Kg/ha. @ Rs. 60/ kg Cost – Rs. 1800/-ha. Total cost – Rs.10800 /-	Zaid 2020	6.0	15	- Yield q/ha. . - Economics - Diameter

**Extension and Training Activities**

S.No.	Activity	No. of activities	Month	No. of participation
1	Field Day	01	Feb. 2020	20
2	Farmers training	01	March 2020	20
3	Media coverage	02	-	Mass

**FLD No. - 11**

Crop	Variety	Thematic area	Technology Demonstrated	Critical input	Season and year	Area ( ha)	No. of farmers	Parameter identified
Poplar	G-48	Varietal evaluation	Fast & improved clone of poplar	- Poplar sapling - Total cost : Rs. 4000/-	Zaid 2020	0.4 & 200 plants	04	- Height of plant (cm). - Diameter of plant (cm) Economics

**Extension and Training Activities**

S.No.	Activity	No. of activities	Month	No. of participation
1	Field days	01	September 2019	20
2	Farmers training	01	Jan 2020	20
3	Media coverage	01	-	-

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

#### A) ON Campus

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
<b>(A) Farmers &amp; Farm Women</b>								
<b>I Crop Production</b>								
Weed Management	-	-	-	-	-	-	-	-
Resource Conservation Technologies	-	-	-	-	-	-	-	-
Cropping Systems	-	-	-	-	-	-	-	-
Crop Diversification	-	-	-	-	-	-	-	-
Integrated Farming	-	-	-	-	-	-	-	-
Water management	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-
Integrated Nutrient Management	-	-	-	-	-	-	-	-
Integrated Crop Management	02	35	-	35	05	-	05	40
Fodder production								
Production of organic inputs								
<b>II Horticulture</b>								
<b>a) Vegetable Crops</b>								
Production of low volume and high value crops								
Off-season vegetables	02	36	-	36	04	-	04	40
Nursery raising								
Exotic vegetables like Broccoli								
Export potential vegetables								
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)								
<b>b) Fruits</b>								
Training and Pruning								
Layout and Management of Orchards	01	18	-	18	02	-	02	20
Cultivation of Fruit								
Management of young plants/orchards								
Rejuvenation of old orchards								
Export potential fruits								
Micro irrigation systems of orchards								
Plant propagation techniques								
<b>c) Ornamental Plants</b>								
Nursery Management								
Management of potted plants								
Export potential of ornamental plants								
Propagation techniques of Ornamental Plants								
<b>d) Plantation crops</b>								
Production and Management technology								
Processing and value addition								

<b>e) Tuber crops</b>								
Production and Management technology								
Processing and value addition								
<b>f) Spices</b>								
Production and Management technology	1	17	-	17	3	-	3	20
Processing and value addition								
<b>g) Medicinal and Aromatic Plants</b>								
Nursery management								
Production and management technology								
Post harvest technology and value addition								
<b>III Soil Health and Fertility Management</b>								
Soil fertility management								
Soil and Water Conservation								
Integrated Nutrient Management	02	37	-	37	03	-	03	40
Production and use of organic inputs	02	32	-	32	08	-	08	40
Management of Problematic soils								
Micro nutrient deficiency in crops	03	50	-	50	10	-	10	60
Nutrient Use Efficiency								
Soil and Water Testing	01	18	-	18	02	-	02	20
<b>IV Livestock Production and Management</b>								
Dairy Management								
Poultry Management								
Piggery Management								
Rabbit Management/goat								
Disease Management								
Feed management								
Production of quality animal products								
<b>V Home Science/Women empowerment</b>								
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								
Gender mainstreaming through SHGs								
Storage loss minimization techniques								
Value addition								
Income generation activities for empowerment of rural Women								
Location specific drudgery reduction technologies								
Rural Crafts								

Women and child care								
<b>VI Agril. Engineering</b>								
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								
<b>VII Plant Protection</b>								
Integrated Pest Management	01	17	-	17	03	-	03	20
Integrated Disease Management	-	-	-	-	-	-	-	-
Bio-control of pests and diseases								
Production of bio control agents and bio pesticides								
<b>VIII Fisheries</b>								
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								
<b>IX Production of Inputs at site</b>								
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								
<b>X Capacity Building and Group Dynamics</b>								
Leadership development								
Group dynamics								
Formation and Management of SHGs								
Mobilization of social capital								
Entrepreneurial development of farmers/youths								
WTO and IPR issues								
<b>XI Agro-forestry</b>								
Production technologies	05	90	-	90	10	-	10	100
Nursery management	01	18	-	18	02	-	02	20
Integrated Farming Systems	02	36	-	36	04	-	04	40
<b>XII Others (Pl. Specify)</b>								
<b>Crop improvement</b>								
Varietal description and production technology of field crop	05	85	-	85	15	-	15	100
Varietal description and production technology of oilseeds and pulses crop	02	34	-	34	06	-	06	40
<b>TOTAL</b>	<b>30</b>	<b>523</b>	<b>-</b>	<b>523</b>	<b>77</b>	<b>-</b>	<b>77</b>	<b>600</b>
<b>(B) RURAL YOUTH</b>								
Mushroom Production								
Bee-keeping								
Integrated farming								
Seed production	-	-	-	-	-	-	-	-
Production of organic inputs	01	08	-	08	02	-	02	10
Integrated Farming (Medicinal)								
Planting material production								
Vermi-culture								
Sericulture								
Protected cultivation of vegetable crops								
Commercial fruit production								
Repair and maintenance of farm machinery and implements								
Nursery Management of Horticulture crops								
Training and pruning of orchards								
Value addition								
Production of quality animal products								
Dairying								
Sheep and goat rearing								
Quail farming								

Piggery								
Rabbit farming								
Poultry production								
Ornamental fisheries								
Para vets								
Para extension workers								
Composite fish culture								
Freshwater prawn culture								
Shrimp farming								
Pearl culture								
Cold water fisheries								
Fish harvest and processing technology								
Fry and fingerling rearing								
Small scale processing								
Post Harvest Technology								
Tailoring and Stitching								
Rural Crafts								
<b>TOTAL</b>	<b>01</b>	<b>08</b>	<b>-</b>	<b>08</b>	<b>02</b>	<b>-</b>	<b>02</b>	<b>10</b>
<b>(C) Extension Personnel</b>								
Productivity enhancement in field crops								
Integrated Pest Management								
Integrated Nutrient management								
Rejuvenation of old orchards								
Protected cultivation technology								
Formation and Management of SHGs								
Group Dynamics and farmers organization								
Information networking among farmers								
Capacity building for ICT application								
Care and maintenance of farm machinery and implements								
WTO and IPR issues								
Management in farm animals								
Livestock feed and fodder production								
Household food security								
Women and Child care								
Low cost and nutrient efficient diet designing								
Production and use of organic inputs								
Gender mainstreaming through SHGs								
Any other (Pl. Specify)								
<b>TOTAL</b>								
<b>G. Total</b>	<b>31</b>	<b>531</b>	<b>-</b>	<b>531</b>	<b>79</b>	<b>-</b>	<b>79</b>	<b>610</b>

**B) OFF Campus**

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
<b>(A) Farmers &amp; Farm Women</b>								
<b>I Crop Production</b>								
Weed Management	-	-	-	-	-	-	-	-
Resource Conservation Technologies	-	-	-	-	-	-	-	-
Cropping Systems	-	-	-	-	-	-	-	-
Crop Diversification	-	-	-	-	-	-	-	-
Integrated Farming	-	-	-	-	-	-	-	-
Water management	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-
Integrated Nutrient Management	-	-	-	-	-	-	-	-
Integrated Crop Management	02	34	-	34	06	-	06	40
Fodder production								
Production of organic inputs								
<b>II Horticulture</b>								
<b>a) Vegetable Crops</b>								
Production of low volume and high value crops								
Off-season vegetables								
Nursery raising								
Exotic vegetables like Broccoli								
Export potential vegetables								
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)								
<b>b) Fruits</b>								
Training and Pruning	01	18	-	18	02	-	02	20
Layout and Management of Orchards								
Cultivation of Fruit	01	18	-	18	02	-	02	20
Management of young plants/orchards								
Rejuvenation of old orchards								
Export potential fruits								
Micro irrigation systems of orchards								
Plant propagation techniques								
<b>c) Ornamental Plants</b>								
Nursery Management								
Management of potted plants								
Export potential of ornamental plants								
Propagation techniques of Ornamental Plants								

<b>d) Plantation crops</b>								
Production and Management technology								
Processing and value addition								
<b>e) Tuber crops</b>								
Production and Management technology								
Processing and value addition								
<b>f) Spices</b>								
Production and Management technology								
Processing and value addition								
<b>g) Medicinal and Aromatic Plants</b>								
Nursery management								
Production and management technology	2	34	-	34	6	-	6	40
Post harvest technology and value addition								
<b>III Soil Health and Fertility Management</b>								
Soil fertility management								
Soil and Water Conservation								
Integrated Nutrient Management	02	36	-	36	04	-	04	40
Production and use of organic inputs	02	38	-	38	02	-	02	40
Balance use of fertilizers	01	18	-	18	02	-	02	20
Micro nutrient deficiency in crops	02	35	-	35	05	-	05	40
Nutrient Use Efficiency								
Soil and Water Testing	01	18	-	18	02	-	02	20
<b>IV Livestock Production and Management</b>								
Dairy Management								
Poultry Management								
Piggery Management								
Rabbit Management /goat								
Disease Management								
Feed management								
Production of quality animal products								
<b>V Home Science/Women empowerment</b>								
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								
Gender mainstreaming through SHGs								
Storage loss minimization techniques								
Value addition								
Income generation activities for empowerment of rural Women								
Location specific drudgery reduction technologies								
Rural Crafts								
Women and child care								
<b>VI Agril. Engineering</b>								
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								
<b>VII Plant Protection</b>								
Integrated Pest Management	02	34	-	34	06	-	06	40
Integrated Disease Management	-	-	-	-	-	-	-	-
Bio-control of pests and diseases								
Production of bio control agents and bio pesticides								
<b>VIII Fisheries</b>								
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								
<b>IX Production of Inputs at site</b>								
Seed Production								
Planting material production (Horti.)								
Bio-agents production								
Bio-pesticides production								
Bio-fertilizer production								
Vermi-compost production (Horti.)								
Organic manures production (A.S.)								
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								
<b>X Capacity Building and Group Dynamics</b>								
Leadership development								
Group dynamics								
Formation and Management of SHGs(HS)								
Mobilization of social capital								
Entrepreneurial development of farmers/youths (Agro.)								
WTO and IPR issues								
<b>XI Agro-forestry</b>								
Production technologies	04	72	-	72	08	-	08	80
Nursery management	02	36	-	36	04	-	04	40
Integrated Farming Systems (Agro)	02	36	-	36	04	-	04	40
<b>XII Others (Pl. Specify)</b>								
<b>Crop Improvement</b>								
Varietal description and production technology of field crop	03	51	-	51	09	-	09	60
Varietal description and production technology of oilseeds and pulses crop	02	34	-	34	06	-	06	40
Varietal description and production technology of cash crop	01	17	-	17	03	-	03	20
<b>TOTAL</b>	<b>30</b>	<b>529</b>	<b>-</b>	<b>529</b>	<b>71</b>	<b>-</b>	<b>71</b>	<b>600</b>

<b>(B) RURAL YOUTH</b>								
Mushroom Production								
Bee-keeping								
Integrated farming								
Seed production	04	30	-	30	10	-	10	40
Production of organic inputs	02	16	-	16	04	-	04	20
Integrated Farming (Medicinal)								
Planting material production	02	16	-	16	04	-	04	20
Vermi-culture								
Sericulture								
Protected cultivation of vegetable crops								
Commercial fruit production								
Repair and maintenance of farm machinery and implements								
Nursery Management of Horticulture crops								
Training and pruning of orchards	01	08	-	08	02	-	02	10
Value addition								
Production of quality animal products								
Dairying								
Sheep and goat rearing								
Quail farming								
Piggery								
Rabbit farming								
Poultry production								
Ornamental fisheries								
Para vets								
Para extension workers								
Composite fish culture								
Freshwater prawn culture								
Shrimp farming								
Pearl culture								
Cold water fisheries								
Fish harvest and processing technology								
Fry and fingerling rearing								
Small scale processing								
Post Harvest Technology								
Tailoring and Stitching								
Rural Crafts								
<b>TOTAL</b>	<b>9</b>	<b>70</b>	<b>-</b>	<b>70</b>	<b>20</b>	<b>-</b>	<b>20</b>	<b>90</b>

<b>(C) Extension Personnel</b>								
Productivity enhancement in field crops	-	-	-	-	-	-	-	-
Integrated Pest Management	-	-	-	-	-	-	-	-
Integrated Nutrient management	04	32	-	32	8	-	8	40
Rejuvenation of old orchards								
Protected cultivation technology	01	08	-	08	02	-	02	10
Formation and Management of SHGs								
Group Dynamics and farmers organization								
Information networking among farmers								
Capacity building for ICT application								
Care and maintenance of farm machinery and implements								
WTO and IPR issues								
Management in farm animals								
Livestock feed and fodder production								
Household food security								
Women and Child care								
Low cost and nutrient efficient diet designing								
Production and use of organic inputs	1	8	-	8	2	-	2	10
Gender mainstreaming through SHGs								
Any other (Pl. Specify)								
<b>Crop Improvement (Extension Functionaries)</b>								
Varietal description and production technology of field crop	04	32	-	32	08	-	08	40
Varietal description and production technology of oilseeds and pulses crop	03	24	-	24	06	-	06	30
Varietal description and production technology of cash crop	01	08	-	08	02	-	02	10
<b>Nursery Management</b>	03	24	-	24	06	-	06	30
<b>TOTAL</b>	<b>17</b>	<b>136</b>	<b>-</b>	<b>136</b>	<b>34</b>	<b>-</b>	<b>34</b>	<b>170</b>
<b>G. Total</b>	<b>56</b>	<b>735</b>	<b>-</b>	<b>735</b>	<b>125</b>	<b>-</b>	<b>125</b>	<b>860</b>



**C) Consolidated table (ON and OFF Campus)**

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
<b>(A) Farmers &amp; Farm Women</b>								
<b>I Crop Production</b>								
Weed Management	-	-	-	-	-	-	-	-
Resource Conservation Technologies	-	-	-	-	-	-	-	-
Cropping Systems	-	-	-	-	-	-	-	-
Crop Diversification	-	-	-	-	-	-	-	-
Integrated Farming	-	-	-	-	-	-	-	-
Water management	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-
Integrated Nutrient Management	-	-	-	-	-	-	-	-
Integrated Crop Management	04	69	-	69	11	-	11	80
Fodder production								
Production of organic inputs								
<b>II Horticulture</b>								
<b>a) Vegetable Crops</b>								
Production of low volume and high value crops								
Off-season vegetables	02	36	-	36	04	-	04	40
Nursery raising								
Exotic vegetables like Broccoli								
Export potential vegetables								
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)								
<b>b) Fruits</b>								
Training and Pruning	01	18	-	18	02	-	02	20
Layout and Management of Orchards	01	18	-	18	02	-	02	20
Cultivation of Fruit								
Management of young plants/orchards								
Rejuvenation of old orchards	01	18	-	18	02	-	02	20
Export potential fruits								
Micro irrigation systems of orchards								
Plant propagation techniques								
<b>c) Ornamental Plants</b>								
Nursery Management								
Management of potted plants								
Export potential of ornamental plants								
Propagation techniques of Ornamental Plants								
<b>d) Plantation crops</b>								
Production and Management technology								
Processing and value addition								
<b>e) Tuber crops</b>								
Production and Management technology								

Processing and value addition								
<b>f) Spices</b>								
Production and Management technology								
Processing and value addition								
<b>g) Medicinal and Aromatic Plants</b>								
Nursery management								
Production and management technology	3	51	-	51	9	-	9	60
Post harvest technology and value addition								
<b>III Soil Health and Fertility Management</b>								
Soil fertility management								
Soil and Water Conservation								
Integrated Nutrient Management	04	75	-	75	05	-	05	80
Production and use of organic inputs	04	70	-	70	10	-	10	80
Balance use of fertilizers	01	18	-	18	02	-	02	20
Micro nutrient deficiency in crops	05	85	-	85	15	-	15	100
Nutrient Use Efficiency								
Soil and Water Testing	02	36	-	36	04	-	04	40
<b>IV Livestock Production and Management</b>								
Dairy Management								
Poultry Management								
Piggery Management								
Rabbit Management/goat								
Disease Management								
Feed management								
Production of quality animal products								
<b>V Home Science/Women empowerment</b>								
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								
Gender mainstreaming through SHGs								
Storage loss minimization techniques								
Value addition								
Income generation activities for empowerment of rural Women								
Location specific drudgery reduction technologies								
Rural Crafts								
Women and child care								

<b>VI Agril. Engineering</b>								
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								
<b>VII Plant Protection</b>								
Integrated Pest Management	03	51	-	51	09	-	09	60
Integrated Disease Management	-	-	-	-	-	-	-	-
Bio-control of pests and diseases								
Production of bio control agents and bio pesticides								
<b>VIII Fisheries</b>								
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								
<b>IX Production of Inputs at site</b>								
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								
Production of livestock feed and fodder								

Production of Fish feed								
<b>X Capacity Building and Group Dynamics</b>								
Leadership development								
Group dynamics								
Formation and Management of SHGs								
Mobilization of social capital								
Entrepreneurial development of farmers/youths								
WTO and IPR issues								
<b>XI Agro-forestry</b>								
Production technologies	09	162	-	162	18	-	18	180
Nursery management	03	54	-	54	06	-	06	60
Integrated Farming Systems	04	72	-	72	08	-	08	80
<b>XII Others (Pl. Specify)</b>								
<b>Crop Improvement</b>								
Varietal description and production technology of field crop	08	136	-	136	24	-	24	160
Varietal description and production technology of oilseeds and pulses crop	04	68	-	68	12	-	12	80
Varietal description and production technology of cash crop	01	17	-	17	03	-	03	10
<b>TOTAL</b>	<b>60</b>	<b>1054</b>	<b>-</b>	<b>1054</b>	<b>146</b>	<b>-</b>	<b>146</b>	<b>1200</b>
<b>(B) RURAL YOUTH</b>								
Mushroom Production								
Bee-keeping								
Integrated farming								
Seed production	04	32	-	32	08	-	08	40
Production of organic inputs	03	24	-	24	06	-	06	30
Integrated Farming (Medicinal)								
Planting material production	02	16	-	16	04	-	04	20
Vermi-culture								
Sericulture								
Protected cultivation of vegetable crops								
Commercial fruit production								
Repair and maintenance of farm machinery and implements								
Nursery Management of Horticulture crops								
Training and pruning of orchards	01	08	-	08	02	-	02	10
Value addition								
Production of quality animal products								
Dairying								
Sheep and goat rearing								

Quail farming								
Piggery								
Rabbit farming								
Poultry production								
Ornamental fisheries								
Para vets								
Para extension workers								
Composite fish culture								
Freshwater prawn culture								
Shrimp farming								
Pearl culture								
Cold water fisheries								
Fish harvest and processing technology								
Fry and fingerling rearing								
Small scale processing								
Post Harvest Technology								
Tailoring and Stitching								
Rural Crafts								
<b>TOTAL</b>	<b>10</b>	<b>80</b>	<b>-</b>	<b>80</b>	<b>20</b>	<b>-</b>	<b>20</b>	<b>100</b>
<b>(C) Extension Personnel</b>								
Productivity enhancement in field crops	-	-	-	-	-	-	-	-
Integrated Pest Management	-	-	-	-	-	-	-	-
Integrated Nutrient management	04	32	-	32	08	-	08	40
Rejuvenation of old orchards	-	-	-	-	-	-	-	-
Protected cultivation technology	01	08	-	08	02	-	02	10
Formation and Management of SHGs								
Group Dynamics and farmers organization								
Information networking among farmers								
Capacity building for ICT application								
Care and maintenance of farm machinery and implements								
WTO and IPR issues								
Management in farm animals								
Livestock feed and fodder production								
Household food security								
Women and Child care								
Low cost and nutrient efficient diet designing								
Production and use of organic inputs	01	08	-	08	02	-	02	10
Gender mainstreaming through SHGs								

Any other (Pl. Specify) Seed production								
<b>Crop Improvement (Extension Functionaries)</b>								
Varietal description and production technology of field crop	04	32	-	32	08	-	08	40
Varietal description and production technology of oilseeds and pulses crop	03	24	-	24	06	-	06	30
Varietal description and production technology of cash crop	01	08	-	08	02	-	02	10
<b>Nursery Management</b>	03	24	-	24	06	-	06	30
<b>TOTAL</b>	<b>17</b>	<b>136</b>	<b>-</b>	<b>136</b>	<b>34</b>	<b>-</b>	<b>34</b>	<b>170</b>
<b>G. Total</b>	<b>87</b>	<b>1270</b>	<b>-</b>	<b>1270</b>	<b>200</b>	<b>-</b>	<b>200</b>	<b>1470</b>

Details of training programmers attached in **Annexure - 1**

### Contd. 3.3 SUMMARY OF TRAINING PROGRAMME

A.

Subject	Practicing Farmer								Rural Youths			
	On Campus				Off Campus				On Campus/ Off Campus			
	I	II	III	IV	I	II	III	IV	I	II	III	IV
Crop Production	1	-	-	1	-	1	1	-	-	-	-	-
Horticulture	2	1	-	-	1	1	-	-	1	-	-	-
Plant Breeding	2	2	2	2	2	3	2	1	2	1	1	-
Plant protection	1	-	-	-	2	-	-	-	-	-	-	-
Soil Science	2	2	2	2	2	2	2	2	1	-	1	1
Agro-forestry	2	2	2	2	-	3	2	3	-	-	1	1
<b>Total</b>	<b>10</b>	<b>7</b>	<b>6</b>	<b>7</b>	<b>7</b>	<b>10</b>	<b>7</b>	<b>6</b>	<b>4</b>	<b>1</b>	<b>3</b>	<b>2</b>
<b>Grand Total</b>	<b>30</b>				<b>30</b>				<b>10</b>			

B.

Subject	Sponsored				Extension Functionaries			
	I	II	III	IV	I	II	III	IV
Horticulture	<i>As per H.Q.'s direction</i>				-	-	1	-
Plant Breeding	-do-				2	2	3	1
Soil Science	-do-				1	1	1	2
Agro-forestry	-do-				1	3	-	-
<b>TOTAL -</b>					<b>4</b>	<b>6</b>	<b>4</b>	<b>3</b>
<b>Grand Total</b>					<b>17</b>			

### 3.4 Extension Activities (including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	08	100	10	110	-	-	-	100	10	110
Kisan Mela	01	200	50	250	22	05	27	222	55	277
Kisan Ghosthi	01	300	25	325	45	-	45	345	25	370
Exhibition	01	300	50	350	25	05	30	325	55	380
Film Show	15	200	100	300	45	-	45	245	100	345
Farmers Seminar										
Workshop										
Group meetings	02	40	-	40	05	-	05	45	-	45
Lectures delivered as resource persons	20	400	100	500	100	-	100	500	100	600
Newspaper coverage	50	-	-	-	-	-	-	-	-	Mass
Radio talks	05	-	-	-	-	-	-	-	-	Mass
TV talks	02	-	-	-	-	-	-	-	-	Mass
Popular articles	02	-	-	-	-	-	-	-	-	Mass
Extension Literature	05	-	-	-	-	-	-	-	-	Mass
Advisory Services										
Scientific visit to farmers field	100	350	-	350	50	-	50	400	-	400
Farmers visit to KVK	200	600	25	625	75	-	75	675	25	700
Diagnostic visits	10	200	50	250	-	-	-	200	50	250
Exposure visits	02	50	-	50	-	-	-	50	-	50
Ex-trainees Sammelan	01	50	-	50	03	-	03	53	-	53
Soil health Camp	04	200	100	300	-	-	-	200	100	300
Animal Health Camp										
Agri mobile clinic										
Soil test campaigns	02	300	20	320	10	-	10	310	20	330
Farm Science Club Conveners meet										
Self Help Group Conveners meetings	01	10	10	20	-	-	-	10	10	20
Mahila Mandals Conveners meetings										
Celebration of important days (specify)	03	150	30	180	05	-	05	155	30	185
Krishi Mohostva										
Krishi Rath										
Pre Kharif workshop	-	-	-	-	-	-	-	-	-	-
Pre Rabi workshop	-	-	-	-	-	-	-	-	-	-
PPVFRA workshop										
PMFBY Sammelan										
Soil Health card distribution	02	200	25	225	5	-	5	205	25	230
Any Other (Specify)										
<b>Total</b>	<b>437</b>	<b>3650</b>	<b>595</b>	<b>4245</b>	<b>390</b>	<b>10</b>	<b>400</b>	<b>4040</b>	<b>605</b>	<b>4645</b>



**3.5 Target for Production and supply of Technological products April 2019 to March 2020**  
**SEED MATERIALS**

Sl. No.	Crop	Variety	Quantity (qtl.)
<b>CEREALS</b>	Paddy	PB 1121, PB 1509	80.0
	Wheat	HD 2967 DPW - 621-50/other best variety	270.0
<b>OILSEEDS</b>			
<b>Commercial</b>			
<b>PULSES</b>			
	Urd/Arhar	PU-31/ other best variety	50.0
<b>VEGETABLES</b>			
<b>OTHERS (Specify)</b>			
			400.0

**PLANTING MATERIALS**

Sl. No.	Crop	Variety	Quantity (Nos.)
<b>FRUITS</b>	Papaya	Pusa Nanha, Taiwan	1000
<b>SPICES</b>			
<b>VEGETABLES</b>			
	Tomato	Swarna Deepti & Swarna Anmol	2000
	Onion	Bheema Red & Bheema Dark Red	7000
<b>FOREST SPECIES</b>			
<b>ORNAMENTAL CROPS</b>	Marigold	Pusa Mosmi, Pusa Basanti	10000
		<b>Total</b>	<b>20000.00</b>

**Bio-products**

Sl. No.	Product Name	Species	Quantity	
			No	(kg)
<b>BIO PESTICIDES</b>				
1				
2				

**LIVESTOCK**

Sl. No.	Type	Breed	Quantity	
			(Nos)	Unit
Cattle				
GOAT				
SHEEP				
POULTRY				
Pig farming				
FISHERIES				

### 3.6. Literature to be Developed/Published

(A) **KVK News Letter** (Date of start, Periodicity, number of copies to be published etc.)- Yet to be come

(B) Literature to be developed /published

Item	No. of copies
Research paper each scientist	1
Technical reports	7
New letters	1
Technical manual all discipline	2
Poplar articles	2
Extension literature	5
Other (specify)	-
<b>Total</b>	<b>18</b>

### (C) Details of Electronic Media to be Produced

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
1	CD/Audio-Cassette	Vermi-Compost/Pressmud composting	01
2	CD/Audio-Cassette	Balance Nutrient-management in Rabi crops.	01

### 3.7. Success stories/Case studies identified for development as a case. 02

- a. Brief introduction
- b. Intervention
- c. Output
- d. Outcomes
- e. Impact
  - i) Social economics
  - ii) Bio-Physical
- f. Good Action Photographs

### 3.8 Indicate the specific training need analysis tools/methodology followed for Practicing Farmers

- a) PRA
- b) Group discussion
- c) Interviews.

#### Rural Youth

- a) PRA
- b) Group discussion

#### In-service personnel

- a) Departmental Meetings
- b) Group discussions.

### 3.9 Indicate the methodology for identifying OFTs/FLDs For OFT :

- i) PRA
- ii) Problem identified from Matrix
- iii) Field level observations
- iv) Farmer group discussions

**For FLD :** Nutrient management in Sugarcane, Paddy & Wheat, Control of blast disease in paddy & Weed management in paddy/wheat.

- i) New variety/technology
- ii) Poor yield at farmers level
- iii) Existing cropping system

### 3.10 Field activities

i. Name of villages identified/adopted with block name (from which year) -

S.No.	Village Name	Block
1	Ramnagar Gangpur	Bilari
2	Khanpur	Bilari
3	Bhudmareshi	Bilari
4	Fattepur Natha	Bilari
5	Sihari Ladda	Bilari

- ii. No. of farm families selected per village : 50
- iii. No. of survey/PRA conducted : 01
- iv. No. of technologies taken to the adopted villages 05
- v. Name of the technologies found suitable by the farmers of the adopted villages:
- vi. Impact (production, income, employment, area/technological– horizontal/vertical)
- vii. Constraints if any in the continued application of these improved technologies

### 3.11. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab:

1. Year of establishment : 2011-12

2. List of equipments purchase with amount

Sl. No.	Name of the equipment	Quantity	Cost (Rs)
1	Chemical balance	1 Nos.	82413.00
2	Physical balance	1 Nos.	21057.00
3	Water distillation unit	1 Nos.	126,563.00
4	keldhel App distillation 6 flask	2 Nos.	58,853.00
5	Oven 600x455x455	1 Nos.	25,037.00
6	PH digital meter	1 Nos.	22,995.00
7	Conducectivity meter	1 Nos.	19651.00
8	Mechanical sheker 36 flask	1 Nos.	52868.00
9	Microscope olympus	1 Nos.	10534.00
10	Grinder willy mill 100x50 ml	1 Nos.	34913.00
11	Hot plate 650x680x180	1 Nos.	6933.00
12	Rapid soil testing kit	2 Nos.	5912.00
13	Spectrophotometer	01 Nos.	1.25
14	Flame Photometer	01 Nos.	1.25

3. Targets of samples for analysis:

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	500	500	25	7500.00
Water				
Plant				
<b>Total</b>	<b>500</b>	<b>500</b>	<b>25</b>	<b>7500.00</b>

#### 4.0 LINKAGES

##### 4.1 Functional linkage with different organizations

Name of organization	Nature of linkage
Deptt. of Agriculture	Diagnostic survey, Participation in Kisan Mela, Kisan Gosthi, Advisory service, Training and field day.
Deptt. Of Horticulture	Diagnostic survey, Participation in Kisan Mela, Kisan Gosthi, Advisory service, Training and field day.
Deptt. Of Animal Husbandry	Participation in Animal Health camp and Pashu Palak Gosthi, advisory services.
Deptt. of soil conservation	Participation in training programme & advisory services.
IFFCO/KRIBHCO	Participation in training programme
NSC	Seed production programme
NGO's	Participation in training programme
SVPUA&T, Meerut	Participation in Farmer's fair, training prog., technology & meeting
ICAR	Financial support and technology (Newly released varieties and crop management)
IARI & SAU's	Technology (Newly released varieties and crop management)

##### 4.2 Details of linkage with ATMA

a) Is ATMA implemented in your district Yes

Sl. No.	Programme	Nature of linkage
1.	Kisan Gosthi	Participation as resource person
2.	Field Day	Participation as resource person
3.	Kisan Mela	Participation as resource person
4	FLD	Participation as resource person
5	Validation trials	Participation as resource person
6	Farmers training	Participation as resource person
7	Exposure Visit	Participation as resource person

##### 4.3 Give details of programmes under National Horticultural Mission

S. No.	Programme	Nature of linkage
1		

##### 4.4 Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage
1		
2		

##### 5.0 Utilization of hostel facilities

S. No.	Programme	No. of days
1		
	<b>Total</b>	

**6.0 Convergence with departments :**

**7.1. Details of the programmes being implemented by your KVK in partnership with other institution**

S. No.	Name of Programme	Main Institution (IARI, DBT, DST, UPCAR, etc.)	Duration	Budget (in lakh)
1	F.T.T.	UP Govt.	6 days	0.40

**7.2. Brief achievements of above collaborative programmes**

S. No.	Name of Programme	Salient achievement	Impact of the programme
1			

**8.0 Feedback of the farmers about the technologies demonstrated and assessed :**

Feedback of the farmers will be taken.

**9. 0 Feedback from the KVK Scientists (Subject wise) to the research institutions/universities :**

Feedback from the KVK Scientists will sent to the University.

## Details of Training Programme

### (i) ON Campus training for Practicing Farmers and farm Women

Subject	Title	Date	Clientele	Duration in days	Venue off/on	No. of Participants			Number of SC/ST		
						M	F	Total	M	F	Total
<b>1<sup>st</sup> Quarter</b>											
Crop Production	i. Inter cropping of urdbean in S.cane ratoon.	04 April 19	PF	1	On	17	-	17	3	-	3
Horticulture	i. For better health to grow organic vegetable.	2 April 19	PF	1	On	18	-	18	2	-	2
	ii. Plantation of new orchards, Mango.	4 June 19	PF	1	On	18	-	18	2	-	2
Soil Science	i. Method of soil samples collection.	15 May 19	PF	1	On	16	-	16	4	-	4
	ii. Use of bio-fertilizer in paddy nursery.	16 June 19	PF	1	On	16	-	16	4	-	4
Plant protection	i. Integrated insect & disease management in mentha crop.	17 April 19	PF	1	On	17	-	17	3	-	3
Plant breeding	i. Improved varieties of paddy and their production technique	7 May 19	PF	1	On	17	-	17	3	-	3
	ii. Improved varieties of urdbean and their production technique	11 June 19	PF	1	On	17	-	17	3	-	3
Agro-forestry	i. Suitable plant for environment.	14 May 2019	PF	1	On	18	-	18	2	-	2
	ii. Agro-forestry systems for farmers	22 May 2019	PF	1	On	18	-	18	2	-	2

Subject	Title	Date	Clientele	Duration in days	Venue off/on	No. of Participants			Number of SC/ST		
						M	F	Total	M	F	Total
<b>II<sup>nd</sup> Quarter</b>											
Horticulture	i. . Tomato production for income generating.	3Aug 2019	PF	1	On	18	-	18	2	-	2
Soil Science	i. importance of water soluble fertilizer in paddy..	18 July 19	PF	1	On	17	-	17	3	-	3
	ii. Use of foliar spray of zinc and urea in paddy.	19 Sept. 19	PF	1	On	17	-	17	3	-	3
Plant breeding	i New varieties of urdbean & their production technique	3 July 19	PF	1	On	17	-	17	3	-	3
	ii. New varieties of rapeseeds & mustard, and their production technique.	10 Sept.19	PF	1	On	17	-	17	3	-	3
Agro- forestry	i. Plantation technology of Agro-forestry plants.	04 Aug. 2019	PF	1	On	18	-	18	2	-	2
	ii. Diseases management in Agro-forestry plants	18 Sept. 2019	PF	1	On	18	-	18	2	-	2

Subject	Title	Date	Clientele	Duration in days	Venue off/on	No. of Participants			Number of SC/ST		
						M	F	Total	M	F	Total
<b>IIIrd Quarter</b>											
Soil science	i. Use of Nadep and vermi compost for soil health.	22 Oct. 19	PF	1	On	19	-	19	1	-	1
	ii. Importance of micro-nutrient in Rabi crops.	25 Nov. 19	PF	1	On	17	-	17	3	-	3
Plant Breeding	i. Improved varieties of wheat under timely sown condition and their production technique.	05 Nov. 19	PF	1	On	17	-	17	3	-	3
	ii. Improved varieties of wheat under late sown condition and their production technique	26 Nov. 19	PF	1	On	17	-	17	3	-	3
Agro- forestry	i. Vegetable prod. in Agro-forestry system.	11 Oct. 2019	PF	1	On	18	-	18	2	-	2
	ii. Cereals crops in Agro-forestry system.	09 Nov. 2019	PF	1	On	18	-	18	2	-	2



Subject	Title	Date	Clientele	Duration in days	Venue off/on	No. of Participants			Number of SC/ST		
						M	F	Total	M	F	Total
<b>IVth Quarter</b>											
Crop Production	i. Inter cropping of mentha in wheat crop.	16 Jan. 20	PF	1	On	18	-	18	2	-	2
Soil science	i. Use of water soluble fertilizers in wheat.	8 Jan. 20	PF	1	On	18	-	18	2	-	2
	ii. Importance of micro-nutrient management in S.cane.	15 Feb. 20	PF	1	On	18	-	18	2	-	2
Plant breeding	i. New varieties of <i>Mentha</i> and their production technique.	8 Jan.20	PF	1	On	17	-	17	3	-	3
	ii. New varieties of maize and their production technique.	4 Feb. 20	PF	1	On	17	-	17	3	-	3
Agro- forestry	i. Different clones of Poplar.	06 Feb 2020	PF	1	On	18	-	18	2	-	2
	ii. Care during poplar plantation	09 Feb 2020	PF	1	On	18	-	18	2	-	2

## (ii) OFF Campus training for Practicing Farmers and Farm Women

Subject	Title	Date	Clientel e	Duration in days	Venue off/ on	No. of Participants			Number of SC/ST		
						M	F	Total	M	F	Total
<b>I<sup>st</sup> Quarter</b>											
Horticulture	i. Scientific method of papaya raising nursery.	10May 2019	PF	1	Off	18	-	18	2	-	2
Soil Science	i. Aim of soil testing.	25 April 19	PF	1	Off	16	-	16	4	-	4
	ii. Deficiency symptoms of micro-nutrients in S.cane	20 May 19	PF	1	Off	16	-	16	4	-	4
Plant protection	i. Precaution during the use of pesticides and selection of pesticides and technique of solution making.	24 April 2019	PF	1	Off	17	-	17	3	-	3
	ii Integrated insect management in sugarcane	21 May 19	PF	1	Off	17	-	17	3	-	3
Plant breeding	i. New varieties of paddy and their production technique	15 May 19	PF	1	Off	17	-	17	3	-	3
	i. New varieties of urd and their production technique	13 June 19	PF	1	Off	17	-	17	3	-	3

Subject	Title	Date	Clientele	Duration in days	Venue off/on	No. of Participants			Number of SC/ST		
						M	F	Total	M	F	Total
<b>II<sup>nd</sup> Quarter</b>											
Crop Production	i. Production technology of intercropping in autumn Sugarcane	11 Sept. 19	PF	1	Off	18	-	18	2	-	2
Horticulture	i.. Pruning technique in old guava orchard & intercropping of tomato for extra income.	5July 2019	PF	1	Off	18	-	18	2	-	2
Soil Science	i. Application of balance fertilizers in S.cane based on soil testing.	17 July 19	PF	1	Off	16	-	16	4	-	4
	ii. Use of Zysum in pulse crops..	22 Aug. 19	PF	1	Off	16	-	16	4	-	4
Plant breeding	i. Sucker production technique in <i>Mentha</i>	18 July 19	PF	1	Off	17	-	17	3	-	3
	ii. New varieties of rapeseed & mustard and their production technique	28 Aug. 19	PF	1	Off	17	-	17	3	-	3
	iii. New varieties of sugarcane and their production technique	17 Sept. 19	PF	1	Off	17	-	17	3	-	3
Agro-forestry	i. Use of Neem tree with respect to Agri..	21Aug. 2019	PF	1	Off	18	-	18	2	-	2
	ii. Nursery Management of different Agro-forestry plant.	27 Aug. 2019	PF	1	Off	18	-	18	2	-	2
	iii. Pruning of Agro-forestry Plants.	16 Sept. 2019	PF	1	Off	18	-	18	2	-	2

Subject	Title	Date	Clientele	Duration in days	Venue off/on	No. of Participants			Number of SC/ST		
						M	F	Total	M	F	Total
<b>IIIrd Quarter</b>											
Crop Production	i. ICM in lentil.	09 Oct. 19	PF	1	Off	18	-	18	2	-	2
Soil Science	i. Importance of water soluble fertilizers in Kharif.	20 Oct. 19	PF	1	Off	16	-	16	4	-	4
	ii. Use of bio-fertilizers in Rabi crops to improve the farmers income.	15 Nov. 19	PF	1	Off	16	-	16	4	-	4
Plant breeding	i. Improved varieties of wheat and their production technique	07 Nov. 19	PF	1	Off	17	-	17	3	-	3
	ii. Varieties of wheat under late sown condition and their production technique	27 Nov.19	PF	1	Off	17	-	17	3	-	3
Agro-forestry	i. Plantation of Agro-forestry plants in different conditions.	10 Oct. 2019	PF	1	Off	18	-	18	2	-	2
	ii. Seed production & collection of different Agro-forestry plants.	11 Dec. 2019	PF	1	Off	18	-	18	2	-	2

Subject	Title	Date	Clientele	Duration in days	Venue off/on	No. of Participants			Number of SC/ST		
						M	F	Total	M	F	Total
<b>IV<sup>th</sup> Quarter</b>											
Soil Science	i. Importance of inter cropping in S.cane for soil health .	11Jan.2020	PF	1	Off	16	-	16	4	-	4
	ii. Use of foliar spray of water soluble fertilizers in wheat crop.	20Feb.2020	PF	1	Off	16	-	16	4	-	4
Plant breeding	i. Improved varieties of <i>Mentha</i> and their production technique	17 Jan. 2020	PF	1	Off	17	-	17	3	-	3
Agro-forestry	i. Insect control in Agro-forestry plants.	06 Jan. 2020	PF	1	Off	18	-	18	2	-	2
	ii. Suitable agro-forestry plants for Agri.	08 Feb. 2020	PF	1	Off	18	-	18	2	-	2
	iii. Medicinal use of Agro-forestry plants	05 March 2020	PF	1	Off	18	-	18	2	-	2

### ON Campus/ OFF Campus : Vocational training programme for Rural Youth (ON/OFF Campus)

Subject	Title	Date	Thrust Area	Clientele	Duration in days	Venue off/on	No. of Participants			Number of SC/ST		
							M	F	Total	M	F	Total
<b>I<sup>st</sup> Quarter</b>												
Horticulture	Training & pruning of old orchard (Guava/anola)	14-19 May 19	Training & pruning orchard	RY	6	On/Off	8	-	8	2	-	2
Soil Science	Vermi compost prod.	19-24 June 19	Promotion of organic manure	RY	6	On/Off	8	-	8	2	-	2
Plant breeding	Paddy Seed production technique	20-25 May 19	Promoting seed production technique	RY	6	On/Off	8	-	8	2	-	2
	Seed production technique of urdbean	17-22 June 19	Promoting seed production technique	RY	6	On/Off	8	-	8	2	-	2
<b>II<sup>nd</sup> Quarter</b>												
Plant breeding	Seed production technique of mustard	23-28 Sept. 19	Promoting mustard seed Production	RY	6	On/Off	7	-	7	3	-	3
<b>III<sup>rd</sup> Quarter</b>												
Soil Science	Vermi-compost prod.	15-20 Oct. 19	Promotion of organic manure	RY	6	On/Off	8	-	8	2	-	2
Plant breeding	Wheat seed production technique	14 -19 Nov. 19	Promoting Wheat seed Production	RY	6	On/Off	7	-	7	3	-	3
Agro-forestry	How to prepare good nursery of Neem, Semal & Sagon	6-11 Nov. 2019	Nursery management	RY	6	On/Off	8	-	8	2	-	2
<b>IV<sup>th</sup> Quarter</b>												
Soil Science	Nadep & Vermi compost production	02-07 Feb. 20	promotion of organic manure	RY	6	On/Off	10	-	10	-	-	-
Agro-forestry	How to prepare good nursery of Poplar, Bakyan.	6-11 Feb. 2020	Nursery management	RY	6	On/Off	8	-	8	2	-	2

### (iii) Training Programme for Extension Functionaries

Subject	Title	Date	Clientele	Duration in days	Venue off/on	No. of Participants			Number of SC/ST		
						M	F	Total	M	F	Total
<b>I<sup>st</sup> Quarter</b>											
Soil Science	Use of bio-fertilizers in paddy.	22 June 2019	EF	1	On/Off	8	-	8	2	-	2
Plant breeding	Seed production of paddy	26 June 2019	EF	1	On/Off	7	-	7	3	-	3
	Varietal description of urdbean	28 June 2019	EF	1	On/Off	7	-	7	3	-	3
<b>II<sup>nd</sup> quarter</b>											
Soil Science	Use of sulphur in oilseed crops	21 Aug. 2019	EF	1	On/Off	8	-	8	2	-	2
Plant breeding	Varietal description of basmati rice	03 July 2019	EF	1	On/Off	7	-	7	3	-	3
	Varietal description of sugarcane	29 August 2019	EF	1	On/Off	7	-	7	3	-	3
Agro-forestry	Nursery management of Agro-forestry plants	21 July 2019	EF	1	On/Off	8	-	8	2	-	2
	Plantation tech. of Agro-forestry plants	24 Aug. 2019	EF	1	On/Off	8	-	8	2	-	2
	Plantation technology of semal & sagon under Agro-forestry system	22 Sept. 2019	EF	1	On/Off	8	-	8	2	-	2

<b>III<sup>rd</sup> Quarter</b>											
Horticulture	Cultivation technique of Rabi season vegetables.	17 Oct. 2019	EF	1	On/Off	8	-	8	2	-	2
Soil Science	Use of water soluble fertilizers in wheat.	15 Nov. 2019	EF	1	On/Off	8	-	8	2	-	2
Plant breeding	Improved varieties of wheat and their production technique under timely sown	22 Oct. 2019	EF	1	On/Off	7	-	7	3	-	3
	Improved varieties of wheat and their production technique under late sown	8 Nov. 2019	EF	1	On/Off	7	-	7	3	-	3
	Varietal description of lentil	15 Nov. 2019	EF	1	On/Off	7	-	7	3	-	3
<b>IV<sup>th</sup> Quarter</b>											
Soil Science	Use of Nadep and Vermi compost for soil health.	24 Jan 2020	EF	1	On/Off	8	-	8	2	-	2
	Use of fertilizers on the bases of soil test.	8 Feb. 2020	EF	1	On/Off	8	-	8	2	-	2
Plant breeding	Varietal description of mungbean.	04 Mar 2020	EF	1	On/Off	7	-	7	3	-	3