

## **Action Plan 2018-19**

1. Name of the KVK : KRISHI VIGYAN KENDRA, KAIMUR
2. Name of host organization : VANVASI SEVA KENDRA
3. Training programme (including CFLD) to be organized

Type of Trainees	Thematic Area	No. of Courses	No. of Participants		
			Male	Female	Total
<b>Training programme under KVK</b>					
Practicing Farmers and farm women (PF)	Crop Production	12	300	-	300
	Horticulture	14	305	45	350
	Soil Health & Fertility Management	12	280	20	300
	Livestock Production & Mgt.	13	295	30	325
	Home Science and Women empowerment	11	-	275	275
	Plant Protection	12	300	-	300
	Capacity Building and Group Dynamics	7	175	-	175
	<b>Total :</b>	<b>81</b>	<b>1655</b>	<b>370</b>	<b>2025</b>
Rural Youth (RY)	10	135	70	205	
Extension Functionaries (EF)	9	160	50	210	
Skill Development Training(SDT)	4	80	40	120	
<b>Total (PF+RY+EF+SDT)</b>	<b>104</b>	<b>2030</b>	<b>530</b>	<b>2560</b>	
<b>Training Programme Under Cluster Demonstration (CFLD)</b>					
Practicing Farmers and farm women	17	425	-	425	
<b>Grand Total (KVK+ CFLD):</b>	<b>121</b>	<b>2455</b>	<b>530</b>	<b>2985</b>	

### 3. (a) Farmers and farmwomen

Thematic Area	Title	No. of courses	Duration	No. of participants					
				SC	ST	Others	Total		
							Male	Female	Total
<b>I) CROP PRODUCTION</b>									
Integrated crop management	Package of practices for Kharif Maize	1	01	05	10	10	25	-	25
"	Package of practices for Paddy cultivation	1	01	05	-	20	25	-	25
Integrated crop management	Package of Practices for Kharif Pulses	1	01	-	20	05	25	-	25
"	Scientific method of Wheat cultivation	1	01	05	-	20	25	-	25
"	Package of Practices for Rabi Pulses	1	01	05	15	05	25	-	25
"	Package of Practices for Rabi Oilseeds	1	01	05	-	20	25	-	25
Nursery mgt.	Nursery management of Paddy	2	01	10	10	30	50	-	50
RCT	Wheat sowing through zero tillage system	1	01	-	-	25	25	-	25
Cropping system	Economics of area based suitable intercropping	1	01	05	-	20	25	-	25
Fodder Production	Scientific cultivation of Kharif Fodder	1	01	05	15	05	25	-	25
Integrated farming	IFS for profitable farming	1	01	-	-	25	25	-	25
<b>Total</b>		<b>12</b>	<b>11</b>	<b>45</b>	<b>70</b>	<b>185</b>	<b>300</b>	<b>-</b>	<b>300</b>
<b>II) HORTICULTURE</b>									
<b>a) Vegetable crop</b>									
Production of low volume and high value crops	Production technique of Kharif Tomato	2	01	10	20	20	30	20	50
"	Package of Practices for capsicum cultivation	2	01	10	-	40	50	-	50
Production of low volume and high value crops	Package of practices for Broccoli cultivation	1	01	10	-	15	25	-	25
Production of low volume and high value crops	Package of practices for Elephant yam cultivation	1	01	05	-	20	25	-	25
Production & management technology	Cultivation of Kharif Onion to increase income	1	01	05	-	20	25	-	25

Thematic Area	Title	No. of courses	Duration	No. of participants					
				SC	ST	Others	Total		
							Male	Female	Total
Off-season vegetable cultivation	Scientific method of raising early Cucurbits.	2	03	10	20	20	50	-	50
Nursery Raising	Nursery management of Kharif vegetable	1	01	-	20	05	15	10	25
Medicinal cultivation	Cultivation of Satavar	1	01	-	20	05	20	5	25
"	Cultivation of Alovera	1	01	05	20	-	15	10	25
Spices cultivation	Cultivation of coriander	1	01	05	-	20	25	-	25
<b>b) Fruits</b>									
Mgt. of young plants / fruit orchard	Scientific method of Papaya cultivation	1	01	05	-	20	25	-	25
<b>Total (Hort.)</b>		<b>14</b>	<b>14</b>	<b>65</b>	<b>100</b>	<b>185</b>	<b>305</b>	<b>45</b>	<b>350</b>
<b>III) SOIL HEALTH &amp; FERTILITY MGT.</b>									
Soil fertility mgt.	Method and importance of Green manuring	2	01	10	20	20	50	-	50
Soil & water conservation	Different tech. of water conservation	1	01	05	10	10	25	-	25
Production & use of organic input	Importance and use of Bio-fertilizers	2	03	10	20	20	50	-	50
Soil reclamation	Management of problematic soil	1	01	05	10	10	25	-	25
INM	INM in Kharif crop	1	01	05	15	05	15	10	25
INM	INM in Rabi crop	1	01	05	10	10	15	10	25
Micronutrients mgt.	Importance of Micro-nutrients and their application techniques	2	03	10	20	20	50	-	50
Soil & water testing	Fertilizer application on the basis of Soil Health Card	2	01	10	05	35	50	-	50
<b>Total</b>		<b>12</b>	<b>12</b>	<b>60</b>	<b>110</b>	<b>130</b>	<b>280</b>	<b>20</b>	<b>300</b>
<b>IV. LIVESTOCK PRODUCTION &amp; MGT.</b>									
Dairy mgt.	Care & mgt. of milch animal	1	03	05	-	20	25	-	25
Dairy mgt.	Importance and schedule of deworming in animals and its schedule	2	01	10	20	20	50	-	50

Thematic Area	Title	No. of courses	Duration	No. of participants					
				SC	ST	Others	Total		
							Male	Female	Total
Poultry mgt.	Care & management of poultry farming	2	03	10	30	10	50	-	50
Disease mgt.	Management of ecto & endo parasites	2	01	10	20	20	50	-	50
„	Prevention of different diseases in cattle through vaccination	1	01	05	-	20	25	-	25
Goatary mgt.	Goat rearing	1	01	05	15	05	-	25	25
„	Care & Management of Kids	1	01	20	-	05	25	-	25
Piggery management	Care & Management of pig	1	01	20	05	-	20	05	25
Feeding management	Urea treatment of paddy	1	01	05	15	05	25	-	25
Health & Hygiene	Care and management of zoonotic diseases	1	01	05	15	05	25	-	25
<b>Total</b>		<b>13</b>	<b>14</b>	<b>95</b>	<b>120</b>	<b>110</b>	<b>295</b>	<b>30</b>	<b>325</b>
<b>V. HOME SCIENCE &amp; WOMEN EMPOWERMENT</b>									
Value addition	Value addition of Milk	1	02	05	10	10	-	25	25
„	Preparation of tomato ketchup & Chilly sauce	1	03	05	10	10	-	25	25
„	Preparation of Guava jelly & mixed jam	1	03	05	10	10	-	25	25
„	Preparation of Pickles	1	03	05	10	10	-	25	25
Women and Child care	Nutritional requirement of Pregnant and lactating women	1	01	05	10	10	-	25	25
Nutritional Gardening	Nutrition Garden technique and human health	1	01	05	15	05	-	25	25
Gender mainstreaming through SHG	Management of women SHG	1	01	05	10	10	-	25	25
Enterprises development	Different method of Papad and nugget (Badi) making	2	03	05	15	30	-	50	50
Post harvest technology	Dehydration of green vegetables for preservation	1	01	05	10	10	-	25	25

Thematic Area	Title	No. of courses	Duration	No. of participants					
				SC	ST	Others	Total		
							Male	Female	Total
Income generation activities for Employment of Rural women	Candle, Phenyl, Agarbatti and Face pack preparation for self-employment	1	3	05	10	10	-	25	25
<b>Total</b>		<b>11</b>	<b>21</b>	<b>50</b>	<b>110</b>	<b>115</b>	<b>-</b>	<b>275</b>	<b>275</b>
<b>VI. PLANT PROTECTION</b>									
Integrated Pest mgt.	IPM in Rabi vegetable	1	01	-	05	20	25	-	25
„	IPM in stored grain	1	01	-	15	10	25	-	25
Integrated Pest mgt.	IPM in paddy	1	01	05	05	15	25	-	25
Integrated Pest mgt.	IPM in Rabi pulses & oilseeds	1	01	05	10	10	25	-	25
„	IPM in Kharif vegetables	1	01	-	05	20	25	-	25
„	IPM in Fruit plant	1	01	05	-	20	25	-	25
Integrated Disease mgt.	IDM in Paddy	1	01	05	05	15	25	-	25
„	IDM in Cucurbits	1	01	05	05	15	25	-	25
Integrated Disease mgt.	IDM in Rabi oilseeds & pulses	1	01	-	10	15	25	-	25
„ „	IDM in Kharif vegetables	1	01	05	05	15	25	-	25
„ „	IDM in Potato	1	01	05	-	20	25	-	25
Organic farming	To develop knowledge of Skill for healthy Organic vegetable production	1	01	05	-	20	25	-	25
<b>Total</b>		<b>12</b>	<b>12</b>	<b>40</b>	<b>65</b>	<b>195</b>	<b>300</b>	<b>-</b>	<b>300</b>
<b>VII. CAPACITY BUILDING AND GROUP DYNAMICS</b>									
Capacity building and group dynamics	Role of Kisan Club in farming occupation	2	01	05	20	20	50	-	50
Entrepreneurial development of farmers/Youth	Development of entrepreneurial skill in SHGs member	1	03	05	10	10	25	-	25
Group dynamics	Formation of FPO	2	01	10	10	30	50	-	50

Thematic Area	Title	No. of courses	Duration	No. of participants					
				SC	ST	Others	Total		
							Male	Female	Total
Leadership development	Developing leadership skill in innovative farmers	1	01	05	10	10	25	-	25
Agri-insurance	Pradhan Mantri Phasal Bima Yojna	1	01	05	10	10	25	-	25
<b>Total</b>		<b>7</b>	<b>7</b>	<b>30</b>	<b>60</b>	<b>80</b>	<b>175</b>	<b>-</b>	<b>175</b>
<b>GRAND TOTAL:</b>		<b>81</b>	<b>91</b>	<b>385</b>	<b>635</b>	<b>1000</b>	<b>1655</b>	<b>370</b>	<b>2025</b>

### 3. (b) Rural youths (Vocational Training)

Thematic Area	Title	No. of courses	Duration	No. of participants					
				SC	ST	Others	Total		
							Male	Female	Total
Planting material production	Production of planting materials	1	04	05	-	15	20	-	20
Production of organic inputs	Methods and preparation of Organic inputs	2	04	10	20	20	50	-	50
Goat rearing	Mgt. of Goat rearing	1	04	05	10	05	20	-	20
Pasu Mitra	Pasu palan and Pasu upchar (Para-vet.)	1	10	03	02	15	20	-	20
Value addition	Preparation of Jam, Jelly & Murabba	1	04	05	-	20	-	25	25
"	Value addition of Satavar & Mahua	1	04	05	15	05	-	25	25
Income generating activities	Tailoring and stitching for self-employment	1	20	03	10	07	-	20	20
Mushroom production	Production technique and value addition of Mushroom	1	04	05	05	15	25	-	25
<b>Total</b>		<b>9</b>	<b>54</b>	<b>41</b>	<b>62</b>	<b>102</b>	<b>135</b>	<b>70</b>	<b>205</b>

### 3. (c) Skill Development Training

Thematic Area	Title	No. of courses	Duration	No. of participants					
				SC	ST	Oth	Total		
							Male	Female	Total
Medicinal Plant Cultivation	Medicinal Plant Grower (Batch-1)	1	240 hr.	05	10	15	20	10	30
Medicinal Plant Cultivation	Medicinal Plant Grower (Batch-2)	1	240 hr.	05	10	15	20	10	30
Seed Production	Quality Seed Grower	1	200 hr.	05	10	15	20	10	30
Mushroom Production	Mushroom Grower	1	200 hr.	05	10	15	20	10	30
	<b>Total :</b>	<b>4</b>	<b>880 hr.</b>	<b>20</b>	<b>40</b>	<b>60</b>	<b>80</b>	<b>40</b>	<b>120</b>

### 3. (d) Extension functionaries

Thematic Area	Title	No. of courses	Duration	No. of participants					
				SC	ST	Others	Total		
							Male	Female	Total
Productivity enhancement in field crops	Effect of climatic change on Agriculture	1	01	02	-	18	20	-	20
Productivity enhancement in field crops	Package of Practices for Kharif OLS & PLS	1	01	02	-	18	20	-	20
„	Package of Practices for Rabi OLS & PLS crops.	1	01	02	-	18	20	-	20
Integrated Pest Mgt. (IPM)	Importance of IPM in sustainable farming	2	01	05	-	45	50	-	50
Integrated Nutrient Mgt. (INM)	Role of major & micro-nutrients and deficiency symptom	1	01	03	-	22	25	-	25

Thematic Area	Title	No. of courses	Duration	No. of participants					
				SC	ST	Others	Total		
							Male	Female	Total
Vegetable cultivation	Recent advancement in Vegetable cultivation	1	01	02	-	23	25	-	25
Leadership development	Formation and nurturing of FPO, Kisan Club and SHG	1	02	05	20	-	-	25	25
Others Nutritional Security	Importance of family farming	1	01	05	10	10	-	25	25
<b>Total</b>		<b>9</b>	<b>9</b>	<b>26</b>	<b>30</b>	<b>154</b>	<b>160</b>	<b>50</b>	<b>210</b>

#### 4. Frontline demonstration

Season	Crop/Tech.	Variety	No. of demonstrations	Area (ha)
<b>OTHER THAN OILSEED &amp; PULSES</b>				
Kharif 2018	Tomato	Kashi Abhiman	20	1.00
	Maize	Hybrid (Kanchan )	25	2.50
Rabi 2018-19	Broccoli	Palam	20	0.50
	Capsicum	California wonder	20	0.50
<b>ENTERPRISES</b>	Plastic Mulching in Tomato	Tomato	20	0.50
	Mushroom production	Oyster	10	-
<b>INPUT</b>				
	Bio-fungicides	Trichoderma (for wilt disease in Gram)	10	5.00
	Bio-fertilizer	BGA (for Paddy)	15	6.00
	Bio-pesticide	NPV (for fruit borer in Gram)	10	4.00
	Fungicide	Tabuconazole (50%)+ Trifloxystrobin (25%) (in Paddy)	25	10.0



## 5. Seed and planting material production

Seed		Planting material	
Crop	Area (ha)	Crop	Area (ha) / No.
Paddy	1.00	<u>Vegetable seedlings</u>	<b>1,01,000</b>
Maize	0.05	i) Tomato	30,000
Niger	0.50	ii) Brinjal	25,000
Sesame	0.50	iii) Chillies	15,000
Pigeon pea	0.20	iv) Cauliflower	25,000
Mustard	0.20	v) Cabbage	5,000
Lentil	0.10	vi) Cucurbits	1,000
Wheat	0.20	<u>Fruit saplings</u>	<b>3,500</b>
Okra	0.01	i) Mango	500
Elephant foot yam	0.05	ii) Guava	500
		iii) Lemon	500
		iv) Papaya	2000

## 6. Extension Activities

Activities	No.	Participants (Nos.)
Field days	28	400
Scientist visit to farmers field	30	200
Clinical services	24	250
Advisory / Enquiry services	-	500
Publication / Distribution	10	3000
Popular Article	07	
Kisan Gosthi	04	150
Mahila Gosthi	02	50
Exhibition	02	500
Technology week	01	300
Mela	01	-
Radio talk	14	-
Farm Science Club conveners meet	02	-
Awareness on Swachhta Abhiyan	06	200
School training	086	400
Important day celebration	06	250
Film show	15	250
Ex-trainee Sammelan	02	50
Soil test campaign	02	100
Convergence meeting	02	20
Vaccination camp	04	100
Parthenium Eradication Week	01	50

## 7. Revolving Fund

<b>Opening balance (2018-19)</b>	<b>Amount to be invested during 2018-19</b>	<b>Return (Expected)</b>
5.66 (unaudited)	7.50 lacs	1.05 lacs

## 8. Expected fund utilization

<b>Project</b>	<b>Source</b>	<b>Amount to be received (Rs. in lakh)</b>
1. Frontline demonstration on Wheat	Directorate of Wheat Research, Karnal	0.30
2. Agra Takniki Shodh (Testing of frontline technologies)	ATMA, Kaimur	1.00
3. Skill Development Training under Bihar Skill Development Mission (BSDM)	Govt. of Bihar	12.00
4. Training programme for Forest Dwellers	Deptt. of Forest and Environment, Kaimur	1.00

## 9. On-farm trials to be conducted

### OFT-01

1.	Thematic Area	Weed management
2.	Title	Assessment of efficacy of different herbicides to control Cuscuta in Lentil.
3.	Farming situation	Irrigated
4.	Problem diagnose	High infestation of Cuscuta in Lentil causing low yield.
5.	Hypothesis	Application of pre and post emergence. Weedicide in Lentil may reduce the infestation of cuscuta weed.
6.	Source of technology	BAU, Sabour
7.	Details of Technologies selected for assessment	T1 (Farmers' Practice): No use of herbicides and one hand weeding
		T2 (Tech. Option-1): Pendamethalin @ 1.0kg a.i./ha
		T3 (Tech. Option-2): Pendamethalin @ 1.0 kg a.i./ha + Quizalofopethyl 50 gm.a.i./ha as post emergence
		T4 (Tech. Option-3): Pendamethalin @ 1.0 kg a.i./ha + Emazithapyr 40 gm.a.i./ha as post emergence
8.	Design	RBD
9.	Area of plot	0.25 ha
10	Total No. of Plot	40
11.	Total area	10.0 ha.
12.	Data indicator	i) No. of weeds/m <sup>2</sup> at 30 days & 60 days
		ii) Yield (qtls/ha.)
		iii) BC ratio

**OFT-02**

1.	Thematic Area	Integrated crop management
2.	Title	Economic assessment of Sesame based intercropping system
3.	Farming situation	Rainfed
4.	Problem diagnose	Low net return from Sesame as sole crop
5.	Hypothesis	Intercropping may enhanced net return
6.	Source of technology	IARI, Pusa
7.	Details of Technologies	Farmers' Practice: Sesame as sole crop
		Tech. Option-1: Sesame + Pigeon pea (2:1)
		Tech. Option-2: Sesame +Urd (2:2)
8.	Design	RBD
9.	No. of Replication	08
10.	Area of each plot	0.125 ha
11.	Total No. of Plot	24
12.	Total area	3.0 ha.
13.	Critical input	Seeds (Pigeon pea, Sesame & Urd)
14.	Data indicator	i) LER
		ii) Yield
		iii) BC ratio

**OFT-03**

1.	Thematic Area	Vegetable cultivation
2.	Title	Comparative evaluation of different Kharif vegetable in upland situation.
3.	Farming situation	Irrigated
4.	Problem diagnosed	Low net return from Okra in upland.
5.	Hypothesis	High value crop may enhance net income kharif Onion/Tomato may enhance net income.
6.	Technical intervention	High value crop (Onion) introduce in Kharif season.
7.	Source of technology	IVRI, Varanasi
8.	Details of Technologies	Farmers' Practice: Okra cultivation
		<u>Tech. Option-1</u> : Kharif Onion
		<u>Tech. Option-2</u> : Kharif Tomato
9.	Design	RBD
10.	No. of Replication	08
11.	Area of each plot	0.025 ha
12.	Total No. of Plot	24
13.	Total area	0.6 ha.
14.	Critical input	Seeds of Onion and Tomato, Weedicide & Fungicide
15.	Data indicator	i) Yield
		ii) BC ratio

**OFT-04**

1.	Thematic Area	Nursery management
2.	Title	Evaluation of different methods of nursery raising in Cauliflower
3.	Farming situation	Irrigated
4.	Problem diagnosed	Occurrence of damping off & viral disease in rainy season
5.	Hypothesis	Nursery covered with green net may reduce occurrence of damping off as well as viral disease
6.	Source of technology	IIHR, Bangalore
7.	Details of Technologies	Farmers' Practice: Nursery bed covered with straw mulch
		Tech. Option-1: Raising nursery bed inside 50% green shed net
		Tech. Option-2: Raising nursery bed inside 90% green shed net
8.	Design	RBD
9.	No. of Replication	10
10.	Plot size	10 x 3 m <sup>2</sup>
11.	Area of each plot	0.025 ha
12.	No. of Plot	30
13.	Total area	900 m <sup>2</sup>
14.	Critical input	Green shed net (50% & 90%)
15.	Data indicator	i) No. of diseased plants/m <sup>2</sup>
		ii) Yield (qtls/ha)
		iii) BC ratio

**OFT-05**

1.	Thematic Area	Integrated Pest management
2.	Title	Management of mealy bug in Papaya
3.	Farming situation	Irrigated
4.	Problem diagnosed	Heavy incidence of mealy bug causing 40-50 percent damage.
5.	Hypothesis	New insecticides may reduce insect population
6.	Technical intervention	New systemic insecticide
7.	Source of technology	BHU, Varanasi
8.	Details of Technologies	Farmers' Practice: Application of Cypermethrin 25 EC @1ml/lit. of water
		Tech. Option-1: Application of thiomethoxam @ 0.5gm/liter of water
		Tech. Option-2: Application of Fipronil 5% SC @ 2ml/lit of water + detergent 2g/lit of water
		Tech. Option-3: Application of Acetamiprid 20%SP@ 0.5g/lit of water + detergent 2 g/lit of water
9.	Design	RBD
10.	No. of Replication	06
11.	Critical inputs	Insecticides
12.	Data indicator	i) % incidence of insect
		ii) No. of affected fruits/plant
		iii) Yield (kg/plant)
		iv) BC ratio

**OFT-06**

1.	Thematic Area	Integrated disease management
2.	Title	Management of wilt disease in Brinjal
3.	Farming situation	Irrigated
4.	Problem diagnose	Yield loss due to wilt disease in Brinjal
5.	Hypothesis	Trichoderma/Pseudomonas/Streptocycline application may reduce disease incidence
6.	Source of technology	NCIPM, New Delhi
7.	Details of Technologies	Farmers' Practice: Irrigate the crop
		<u>Tech. Option-1:</u> Soil treatment with 5 kg Trichoderma + 500 kg Vermicompost/ha
		<u>Tech. Option-2:</u> Soil treatment with 5 kg Pseudomonas + 500 kg Vermicompost/ha
		<u>Tech. Option-3:</u> Drenching of copper oxychloride 3 gm/lit of water + Streptocycline 1 gm/10 lit of water at 15 days interval after 30 days of transplanting in root zone.
8.	Design	RBD
9.	No. of Replication	08
10.	Plot size	0.025 ha
11.	No. of Plot	32
12.	Total area	0.4 ha
13.	Critical input	Biopesticide/Chemical Pesticide
14.	Data indicator	i) No. of wilted plant/m <sup>2</sup>
		ii) Yield (qtls/ha)
		iii) BC ratio



**OFT-07**

1.	Thematic Area	Poultry management
2.	Title	Performance assessment of different breeds of backyard Poultry birds at Kaimur plateau
3.	Problem diagnosed	Poor growth rate of birds.
4.	Source of Technology	BAU, Ranchi
5.	Details of Technologies	Farmers' Practice: Desi breed
		Tech. Option-1: Breed Krak Nath
		Tech. Option-2: Breed Jharsim
6.	No. of Replication	08
7.	No. of Bird	08 x 25 = 200
8.	Tech. intervention	Poultry breeds Krak Nath & Jharsim
9.	Data indicator/ Performance	i) Growth in body weight at 30 days & 60 days
		ii) Survival percent
		iii) B.C. ratio

**OFT-08**

1.	Thematic Area	Feeding management
2.	Title	Effect of Urea molasses mixture feeding for enhancing milk production of dairy cattle.
3.	Problem diagnosed	Low milk yield due to low protein & energy diet.
4.	Hypothesis	Minimize the cost of Milk production.
5.	Details of Technologies	Farmers' Practice: Homemade concentrate mixture approx one kg/cow
		Tech. Option-1: Balance diet.
		Tech. Option-2: Urea molasses mixture
6.	Source of Technology	GBPUAT, Pantnagar
7.	Production system and thematic area	Feed management
8.	Data indicator	i) Milk production (litre) ii) Increase in Milk production (%) iii) B.C. ratio

**OFT-09**

1.	Thematic Area	Integrated crop management
2.	Title	Mitigation of terminal heat stress in late sown Wheat
3.	Farming situation	Irrigated
4.	Problem diagnose	Low yield in late sown Wheat
5.	Hypothesis	Foliar spray of KNO <sub>3</sub> may enhance productivity
6.	Source of technology	BAU, Sabour
7.	Details of Technologies	Farmers' Practice: Late sown Wheat cultivation without foliar spray of KNO <sub>3</sub>
		Tech. Option-1: Foliar spray of KNO <sub>3</sub> at booting and 0.5% KNO <sub>3</sub> at anthesis stage
		Tech. Option-2: Foliar spray of 1.0% KNO <sub>3</sub> at anthesis stage
8.	Design	RBD
9.	No. of Replication	10
10.	Plot size	0.20 ha
11.	No. of Plot	30
12.	Total area	6.0 ha
13.	Critical input	KNO <sub>3</sub>
14.	Data indicator	i) No. of grains/earhead
		ii) Test wt.
		iii) Yield (qtls/ha)
		iv) BC ratio

## **OFT-10**

1. Adoption and economic impact of Cluster Frontline Demonstration on Gram production.
2. Objectives: (i) To study the adoption percentage in farmers.  
(ii) To know the constraints in adoption.  
(iii) To measure the yield and income enhancement per hectare by adopted farmers.
3. Location : Bhagwanpur Block.
4. Research Design : Schedule preparation, Data collection, Mean and Standard deviation of the data regarding program grouped and non program grouped.
5. Sampling plan : Population study 100 demonstrated farmers for gram by KVK Kaimur.

## ACTION PLAN (CLUSTER DEMONSTRATION)

### A) TRAINING

Thematic Area	Title	No. of courses	Duration	No. of participants					
				SC	ST	Others	Total		
							Male	Female	Total
Productivity enhancement in crops	Package of practices for Groundnut	1	01	05	05	15	25	-	25
„	Package of practices of Niger	1	01	05	20	-	25	-	25
„	Package of practices for Sesame	2	01	05	25	20	50	-	50
„	Package of Practices for Pigeon pea	2	01	05	15	30	50	-	50
„	Package of Practices for Mustard	2	01	05	05	40	50	-	50
„	Package of Practices for Linseed	2	01	05	-	45	50	-	50
„	Package of Practices for Gram	2	01	03	-	47	50	-	50
„	Package of Practices for Lentil	2	01	03	-	47	50	-	50
„	Package of Practices for Field pea	1	01	02	-	23	25	-	25
„	Package of Practices for Sunflower	1	01	05	-	20	25	-	25
„	Package of Practices for Green gram	1	01	-	-	25	25	-	25
	<b>TOTAL</b>	<b>17</b>	<b>11</b>	<b>43</b>	<b>70</b>	<b>312</b>	<b>425</b>	<b>-</b>	<b>425</b>

### B) FRONTLINE DEMONSTRATION

Season	Crop	Variety	No. of demonstrations	Area (ha)
<b>Kharif 2018</b>	Niger	BNS-3/JNC-9	25	10.00
	Ground nut	K-6 / TG-51	25	10.00
	Sesame	Gujarat Til-3 / RT-351	25	10.00
	Pigeon pea	NA-1/NA-2 / LRG-41	50	20.00
<b>Rabi 2018-19</b>	Mustard	Rajendra Suphram/ NDR-8501/RGN-48	50	20.00
	Linseed	Shekhar/Subhra/JLS-67	25	10.00
	Gram	JG-11/JG-16/PG-186	50	20.00
	Lentil	HUL-57 / KLS-218	75	30.00
	Pea	Prakash / Azad	25	10.00
<b>Summer 2018</b>	Green Gram	IPM-2-3 / HUM-16	50	20.00
	Sunflower	Shrestha / KBSH-44	25	10.00
<b>Total :</b>			<b>425</b>	<b>170.00</b>

## 10. List of Projects to be implemented

Name of the project	Fund expected (Rs.)
Community Radio Station	18,00,000.00

## 11. No. of success stories to be developed : 02

## 12. Scientific Advisory Committee

Date of SAC meeting held during 2017-18	Proposed date
4th Oct 2017	1. Last week of June 2018 2. Last week of January 2019

## 13. Soil and water testing

	No. of samples to be analysed
Soil	1,000
Plant	-
Manure	-

## 14. Staff position

Sanctioned	In position	If vacant, since when
Programme Coordinator	√	
SMS	√	
SMS	√	
SMS	√	
SMS	√	
SMS	√	
SMS	-	10.06.2009
Programme Assistant	√	
Prog. Asstt. (Computer)	√	
Farm Manager	√	
Office Suptd. -cum-Acctt.	√	
Jr. Stenographer	√	
Driver	√	
Driver	√	
Supporting Staff	√	
Supporting Staff	√	

## 15. Status of infrastructure

Infrastructure	Complete	Under construction	Not started	Reasons, if not started
Administrative building	√			
Trainees' hostel	√			
Staff quarter	√			
Demonstrations	-	-	√	Plan and Estimate, already sent to Council, is under consideration for vetting

## 16. Fund requirement and expenditure (Rs.)

	Expenditure (last year) (Rs.) in lacs	Expected requirement (Rs.) in lacs
<b>A. Recurring</b>		
Pay & allowance	110.73	160.00
TA	1.13	2.00
HRD	0.33	0.50
Contingencies	7.09	20.00
TSP	10.50	10.00
<b>Total Rs.:</b>	<b>129.79</b>	<b>192.50</b>
<b>B. Non-recurring (specify)</b>		-
1. Demonstration unit	-	12.00
a) Poultry unit	-	6.00
b) Goat rearing unit	-	6.00
2. Farm development (construction of Boundary wall and excavation of pond )		25.00
3. Vehicle (Jeep)	-	-
4. Motorcycle	-	-
5. Tractor with Trailer	-	-
6. Equipments		2.00
7. Furnishing of administrative building		3.00
8. Chart stand, Portable boards, Exhibit materials	-	1.50
9. LCD TV with DVD player	-	1.50
10. Library (Furnishing)	-	1.00
Total (B) Rs.:	-	58.00
<b>Grand Total (A+B) Rs.:</b>	<b>129.79</b>	<b>250.50</b>

Senior Scientist and Head  
KVK, Kaimur

Director of Extension Education  
BAU, Sabour , Bhagalpur