

# Action Plan

(April 2015 – March 2016)



**PRESENTED IN STATE LEVEL WORKSHOP**

**HELD AT**

**BIHAR AGRICULTURAL UNIVERSITY**

**Sabour, Bhagalpur. Bihar**

**(18<sup>TH</sup> April 2015)**



**KRISHI VIGYAN KENDRA, SCADA, ARA,  
SONE COMMAND AREA DEVELOPMENT AGENCY,  
SONE BHAWAN, DAROGA PRASAD RAI PATH,  
PATNA – 800001**

# BHOJPUR AT A GLANCE

## 1. ESTABLISHMENT: 18.12.1994

(Partition of old Shahabad District and formation of Bhojpur and Rohtas)

## 2. GEOGRAPHICAL LOCATION:

Latitude: 25°15'N to 25°46'N

Longitude: 84°45'E to 85°15'E

Altitude: 195.98 M above MSL

## 3. GEOGRAPHICAL BOUNDARY:

North: River Ganga, Saran & Baliyan district

South: Rohtas and Gaya district

East: River Sone and Patna district

West: District Buxar

## 4. GEOGRAPHICAL AREA: 2337.37 (sq km.) or 233729.15 (ha)

## 5. AGRO-CLIMATIC REGION & ZONE: The district comes under South Bihar

Old Alluvial Plains, which has been categorized as Grade III (Sub-humid). The Soil type is heavy to sandy clay.

### Rainfall data (m.m.)

Normal : **959.9 mm**

Actual : **641.9 mm**

II. Temperature : Min. 6°C; Max. 40°C

III. Relative Humidity: 35 to 95%

## 6. NO. OF BLOCKS/VILLAGE

(a) No. of Blocks : 14

(b) No. of Village Panchayat : 228

(c) No. of Village-Inhabited : 999

(d) No. of Village-Non-Inhabited : 218

(e) No. of Village Electrified : 426

**7. (a). POPULATION (AS PER CENSUS):**

Sl.No.		Males	Female	Total
1.	Urban	169,535	142,879	312,414
2.	Rural	1,010,076	920,654	1,930,730
	Total	1,179,611	1,063,533	2,243,144

(b) Population density/sq km. : 903

(c) Population below poverty line : 42.5<sup>0</sup>/<sub>0</sub>

**(d) PERCENTAGE OF POPULATION W.R.T. VARIOUS PARAMETERS:**

SI No.	Parameter	Total	Rural	Urban
1.	Literacy rate: Persons	58.96	56.84	71.55
	Male	74.29	73.43	79.55
	Female	41.80	38.50	62.36
2.	Main workers: Persons	21.93	22.07	21.07
	Male	36.78	36.85	36.41
	Female	5.45	5.85	2.87
3.	Marginal workers: Persons	7.22	7.97	2.57
	Male	7.31	7.96	3.43
	Female	7.12	7.98	1.55
4.	Non- workers: Persons	70.85	69.96	76.36
	Male	55.91	55.19	60.16
	Female	87.43	86.16	95.58
5.	SC Population: Persons	15.32	16.22	9.76
	Male	15.38	16.33	9.71
	Female	15.25	16.10	9.81
6.	ST Population: Persons	0.37	0.37	0.39
	Male	0.38	0.38	0.39
	Female	0.36	0.36	0.40

## **8. CLASSIFICATION OF WORKERS:**

SL NO	DETAILS	NUMBER
	Total Cultivators	227049
	Small & marginal farmers	221535
	Agricultural laborers	259482
	Artisans	NA
	Workers in household industries	24476
	Allied Agro Activities & Other works	144028
	Total working Population	655935
	% of working Population to Total Population	29.15 <sup>0</sup> %

9.

<b><u>Size of Land holding</u></b>	<b><u>No. of holding</u></b>	<b><u>(%)</u></b>	<b><u>Area (ha)</u></b>	<b><u>(%)</u></b>
(a) Less than 1 ha.	203840	78.9	67416	35.8
(b) Between 1 and 2 ha	30498	11.8	38531	20.5
(c) Between 2 and 4 ha	18454	7.1	49380	26.2
(d) Between 4 and 10 ha	5324	2.0	31511	16.7
(e) More than 10 ha	88	0.2	1296	00.8
<b>TOTAL</b>	<b>258204</b>		<b>188134</b>	

## **10. LAND UTILIZATION PATTERN:**

(a) Geographical area	:	2, 33,729.15 ha.
(b) Net cultivable area	:	1, 88,134.00 ha.
(c) Permanent Fallow land	:	418.00 ha.
(d) Cultivable Barren land	:	729.00 ha.
(e) Land temporarily used for non-agriculture purpose	:	925.00 ha.
(f) Pasture & others	:	288.00 ha.
(g) Land not suitable for cultivation	:	7221.00 ha.
(h) Aquatic land	:	4071.00 ha.
(i) Land used for non-agriculture purpose	:	31943.00 ha.
(j) Forest area	:	Nil

## **11. IRRIGATION SOURCES:**

Canal:- Sone Canal Circle, Ara.

Sone Canal Division, Bikramganj

State Tube well - 337 (63 functional)

Private Tube well - 18,901

E.R.P. Set - 09

Lift irrigation - 29

Net Irrigate Area.

<b>Sl. No.</b>	<b>Source</b>	<b>Kharif Area (ha)</b>	<b>Rabi Area (ha)</b>
1.	Canal	72952	29700
2.	Private Tube well	24478	36717
3.	Lift Irrigation	838	153
4.	State Tube well	454	526
5.	Other Sources	1685	1685
	<b>Total</b>	<b>1,00,407(ha)</b>	<b>68,781 (ha)</b>

## **2. AREA COVERED UNDER DIFFERENT CROPS**

<b>Kharif</b>		<b>Rabi</b>		<b>Summer (ha)</b>	
Rice-	1,20,500	Wheat-	1,03,800	Green Gram-	20
Maize-	7,000	Maize-	2,295	Maize-	30
Pulses-	5,580	Pulse-	42,600	Vegetable-	400
Red Gram-	3,500	Gram-	20,500	Onion-	125
Black Gram-	1,000	Pea-	2,500		
Green Gram-	1,080	Others-	4,500		
Oil Seed-	525	Oil seed-	10,140		
Sesame-	215	Rabi/Mustard-	6,100		
Castor-	285	Sunflower-	40		
Sunflower-	25	Vegetable-	2,000		
Vegetable-	750	Potato-	3,525		
<b>Total</b>	<b>1,34,355</b>		<b>1,64,360</b>		<b>575</b>

### **13. CREDIT SYSTEM:**

Lead Bank	Punjab National Bank
P.N.B.	22
S.B.I.	08
Allahabad Bank	01
C.B.I	01
Canara Bank	03
Bank of India	02
Union Bank	03
U.C.O. Bank	02
Indian Bank	02
United Bank	01
Bank of Baroda	02
Syndicate Bank	01
Madhya Bihar Gramin Bank	53
Central Co-operative Bank	15
Land Development Bank	05
<b>Total</b>	<b>122</b>

### **14. AGRIL. MACHINES:**

Tractor	-	1623
Diesel Pump Set	-	15057
Harvester	-	05
Electric Pump Set	-	1870
Harrows	-	360
Winnower	-	25
Z T Machines		2434
Power Tiller		60
Sprayer & duster		676
Ripper		6
Rotavetor		25
Thrasher		425

### **15. AGRICULTURE SUPPORT / FACILITIES**

(a) Seed / Fertilizer / Pesticides depots: 103

(b) Rural Markets / Mandis: 91

(c) Rural God owns: 06

(d) Cold Storage: 2 - capacity - 10000 MT.

### **16. ANIMAL HUSBANDRY (AS PER 2005 CENSUS):**

Dairy Animals	Total	Milking
Cow	157479	4279
Buffalo	206945	66068
Plough Animals	87852	--
Sheep + Goat + Pigs	43698 + 134142 + 17097	--
Poultry	215459	--

## **17. PREDOMINANT ECONOMIC ACTIVITIES OF THE DISTRICT**

Agriculture is the predominant economic activity in the district. Other important economic activities are dairy, horticulture, transport, housing, business and other activities in the service sector. The industrial activity in the district is in problem state. Most of the industrial units have become sick and good entrepreneurs and businessmen are shifting to other states.

## **18. MAJOR FOOD CROPS / COMMERCIAL AND PLANTATION / HORTICULTURE CROPS**

1. The major food crops of the district are paddy and wheat. Pulses, oilseeds and maize are also important crops
2. However, potato, onion and vegetable have emerged as major commercial horticultural crops .
3. Medicinal and aromatic plants have also started taking roots on a small scale, in the district
4. Mushrooms cultivation is in a nascent stage.

## **19. SPECIAL FEATURE OF THE DISTRICT:**

- Bhojpur is considered as the rice-bowl in the state and Rice- Mill is a traditional industry
- Land is fertile and the farmers are comparatively progressive.
- Climate of the district is conducive for a wide range agricultural / horticultural crops.
- Medicinal and aromatic plants are already being cultivated in the district.
- There are developed vegetable clusters.
- Dairy infrastructure is well developed.
- The level of farm mechanization is better than many other districts.
- Ara, the headquarter town of the district, is well connected both by rail and road.
- It is an adjoining district of the state capital.
- All the necessary inputs required for Farm as well as Non-Farm activities are available in the district or those can be easily obtained from the adjoining district at competitive price.
- The district is replete with potential for development in Primary, Secondary as well as in Tertiary sectors.

## **20. OTHER FACTORS AFFECTING THE DISTRICT'S RURAL ECONOMY:**

### **POSITIVE FACTORS**

- District headquarter is well linked with other towns and cities by road and rail.
- There is a vast network of canals in the district.
- Two major rivers flow through the district providing a good source of river in fishery and an opportunity to do the sand business.
- A new power grid was commissioned during the year 2004-05 with which the power position in the district is improving.
- The district had been identified under the Rastriya Sam Vikas Yojana and some of the infrastructural bottlenecks, in terms of rural connectivity, energisation etc, had been bridged.

### **NEGATIVES FACTORS**

- Bhojpur is a drought prone district.
- The rural connectivity and rural infrastructure is not very strong.
- A significant portion of land is rain fed.
- The condition of electric supply is not on need based.

# **THRUST AREAS**

Priority Thrust Areas identified through PRA survey & other methods.

- 1. Enhancement of Seed replacement through Seed Village Programme**
- 2. Adoption of INM and IPM for sustainable agriculture.**
- 3. Enhance Integrated Farming System approach**
- 4. Water & Weed Management in Field Crops**
- 5. Popularization of Resource Conservation Technology**
- 6. Technological awareness through SHG and Kishan club & Growers Association**
- 7. Income generation for Farm Women through Apiculture, Goatery, Poultry, Mushroom & value addition in Fruit and Vegetables**

# Action Plan- 2015-16

1. Name of the KVK : KVK ,SCADA, Bhojpur, Ara
2. Name of host Organization : Sone Command Area Development Agency,  
Patna
3. Training Programme to be organized- (April 2015 to March 2016)

## ABSTRACT OF TRAINING PROGRAMMES TO BE CONDUCTED (April 2015 – March 2016)

Sl. No.	Discipline	No. of Courses	Duration (Days)	Total Trainee Days	No. of Participants		Grand Total
					Men	Women	
A	For Practicing Farmers	233	404	13220	2620	360	4720
B	For Rural Youths	25	196	6060	220	130	510
C	Extension Functionaries	24	44	960	480	-	520
	<b>Grand Total (A+B+C)</b>	<b>282</b>	<b>644</b>	<b>20240</b>	<b>3340</b>	<b>490</b>	<b>5750</b>

## SUMMARY OF TRAINING PROGRAMMES TO BE CONDUCTED (April, 2015-March 2016)

Sl. No.	Discipline	No. of Courses	Duration (Days)	Total Trainee Days	No. of Participants		Grand Total
					Men	Women	
<b>A.</b>	<b>FOR PRACTICING FARMERS</b>						
<b>1.</b>	<b>Crop Production</b>						
a)	Weed Management	6	12	240	120	-	120
b)	Resource Conservation Technologies	3	4	120	40	-	60
c)	Cropping System	3	6	120	60	-	60
d)	Crop diversification	3	14	280	60	-	60
e)	Water management	5	9	320	60	-	100
f)	Seed production	26	56	1760	260	-	520
g)	Nursery management	3	4	120	40	-	60
h)	Fodder production	2	4	80	40	-	40
i)	Production of organic inputs	4	9	820	40	-	80
	<b>Total</b>	<b>55</b>	<b>118</b>	<b>3860</b>	<b>720</b>	<b>-</b>	<b>1100</b>
<b>2.</b>	<b>Vegetable Production</b>						
a)	Production of low volume and high value Crops	17	24	720	240	-	340
b)	Nursery raising	6	12	240	120	-	120
c)	Seed Production	2	3	120	20	-	40
d)	Weed Control	4	8	160	80	-	80
	<b>Total</b>	<b>29</b>	<b>47</b>	<b>1240</b>	<b>460</b>	<b>-</b>	<b>580</b>
	<b>Fruit Production</b>						
a)	Layout and management of	4	10	400	40	-	80

	Orchards						
b)	Cultivation of Fruits	6	6	240	60	-	120
c)	Rejuvenation of old orchards						
	<b>Total</b>						
	<u>Ornamental plants</u>	1	2	40	20	-	20
	<u>Plantation crops</u>	1	2	40	20	-	20
	<u>Tuber crops</u>	1	3	60	20	-	20
	Medicinal & Aromatic Plants	1	2	40	20	-	20
	P.H.T.& Value Addition.	1	2	40	20	-	20
	<b>Total</b>	<b>15</b>	<b>27</b>	<b>860</b>	<b>200</b>	<b>-</b>	<b>300</b>
	<b>Soil Health &amp; Fertility Management</b>						
	Soil Health & Fertility Management	3	6	120	60	-	60
b)	Integrated Nutrient Management	6	9	360	60	-	120
c)	Production and use of Bio-fertilizer	4	4	160	40	-	80
d)	Micro –nutrient Deficiency	6	8	240	80	-	120
e)	Soil & Water Testing	8	4	320	40	-	160
f)	Land Leveling	2	4	80	40	-	40
	<b>Total</b>	<b>29</b>	<b>35</b>	<b>1280</b>	<b>320</b>	<b>-</b>	<b>580</b>
<b>3.</b>	<b>Agriculture Extension</b>						
a)	Formation of Farm Science Club	2	7	280	20	-	40
<b>4.</b>	<b>Home Science</b>						
a)	Household kitchen gardening	2	5	200	-	20	40
b)	Designing and development of low cost diet	1	2	40	-	20	20
c)	Gender mainstreaming through SHGs	2	2	80	-	20	40
d)	Storage loss techniques	9	4	360	-	40	160
e)	Value addition	5	24	540	-	80	100
f)	Rural Crafts	3	9	320	-	40	60
g)	Income generation	4	12	480	-	40	80
h)	Drudgery Reduction	4	4	160	-	40	80
i)	Women & child care	6	7	280	-	60	120
	<b>Total</b>	<b>34</b>	<b>69</b>	<b>2460</b>	<b>-</b>	<b>360</b>	<b>700</b>
<b>5.</b>	<b>Agriculture Engineering</b>						
a)	Use of Z.T. in different situation	6	15	600	60	-	120
<b>6.</b>	<b>Plant Protection</b>						
a)	Integrated Pest Management	11	16	560	140	-	240
b)	Integrated Disease Management	12	14	480	140	-	240
c)	Seed Treatment	4	8	160	80	-	80
	<b>Total</b>	<b>27</b>	<b>38</b>	<b>1200</b>	<b>360</b>	<b>-</b>	<b>560</b>
<b>7.</b>	<b>Animal Husbandry &amp; Veterinary</b>						
a)	Dairy Management	11	16	440	160	-	240
b)	Disease Management in Cattle	6	8	240	80	-	120
c)	Disease Management in Goat	2	4	80	40	-	40

d)	Disease Management in Poultry	3	4	120	40	-	60
e)	Goatery Management	3	4	120	40	-	60
f)	Feed Management	6	6	240	60	-	120
g)	Poultry	5	6	200	60	-	100
	<b>Total</b>	<b>36</b>	<b>48</b>	<b>1440</b>	<b>480</b>	<b>-</b>	<b>740</b>
	<b>Grand Total – A</b>	<b>233</b>	<b>404</b>	<b>13220</b>	<b>2620</b>	<b>360</b>	<b>4720</b>
<b>B.</b>	<b>FOR RURAL YOUTHS</b>						
1	Seed Production	9	25	900	100	-	180
2	Crop Diversification	3	10	300	40	-	60
3	Integrated Farming	1	5	100	20	-	20
4	Commercial Fruit cultivation	1	5	100	20	-	20
5	Nursery management of Hort. Crop						
6	Small Scale processing	3	9	180	-	60	60
7	Tailoring & Stitching	1	90	2700	-	30	30
8	Rural Crafts	3	2	580	-	40	60
9	Dairy management	2	15	600	20		40
10	Poultry management	2	15	600	20	-	40
	<b>Grand Total – B</b>	<b>25</b>	<b>196</b>	<b>6060</b>	<b>220</b>	<b>130</b>	<b>510</b>
<b>C.</b>	<b>EXTENSION FUNCTIONARIES</b>						
1	Productivity Enhancement in field crop	7	14	280	140	-	140
2	Protected cultivation Technique	1	2	40	20	-	20
3	IPM	4	8	160	80	-	80
4	Fruit Production	1	2	40	20	-	20
5	Aromatic Cultivation	1	2	40	20	-	20
6	Information Networking						
7	Use of ZT	1	2	40	20		20
8	Formation of SHG	1	2	40	20		20
9	House hold food security	1	2	40	20		20
10	Control of godown pest	1	2	20	20		20
11	Location Specific drudgery reduction	2	2	80	20	-	40
12	Seed Production	2	2	80	20		40
13	Dairy management	1	2	40	20		20
14	Poultry management	1	2	40	20		20
	<b>GRAND Total – C</b>	<b>24</b>	<b>44</b>	<b>960</b>	<b>480</b>	<b>-</b>	<b>520</b>
	<b>GRAND TOTAL – (A+ B+ C)</b>	<b>282</b>	<b>644</b>	<b>20240</b>	<b>3340</b>	<b>490</b>	<b>5750</b>

## A. Farmers and Farmwomen

Thematic Area*	Title	Total No Of Course	Duration	Total Trainee Days	No. of participants			Total			G.T
					SC	S T	Others	M	F	T	
Weed Management	Weed control in rice nursery	1	2	40	5	-	15	20	-	20	20
	Weed control in DSR	1	2	40	5	-	15	20	-	20	20
	Weed control in transplanted rice	1	2	40	5	-	15	20	-	20	20
	Phalaris minor control in wheat.	1	2	40	5	-	15	20	-	20	20
	Weed control in Lentil	1	2	40	5	-	15	20		20	20
	Weed control in Gram	1	2	40	5	-	15	20		20	20
	<b>Total</b>	<b>6</b>	<b>12</b>	<b>240</b>	<b>30</b>		<b>90</b>	<b>120</b>		<b>120</b>	<b>120</b>
Resource CT	Direct seeding of rice with ZT.	1	2	40	5	-	15	20		20	20
	Direct seeding of wheat with ZT.	2	2	80	5	-	15	20		20	40
	<b>Total</b>	<b>3</b>	<b>4</b>	<b>120</b>	<b>10</b>		<b>30</b>	<b>40</b>		<b>40</b>	<b>60</b>
Cropping System	Inter cropping in New Barseem Orchards	1	2	40	5	-	15	20		20	20
	Inter cropping in Sugar cane	1	2	40	5	-	15	20		20	20
	Cultivation of Summer green gram in summer Fallow	1	2	40	5	-	15	20		20	20
	<b>Total</b>	<b>3</b>	<b>6</b>	<b>120</b>	<b>15</b>		<b>45</b>	<b>60</b>		<b>60</b>	<b>60</b>
Crop Diversification	Commercial production of Basmati rice.	1	5	100	5	-	15	20		20	20
	Scientific cultivation of green gram	1	2	40	5	-	15	20		20	20
	Scientific cultivation of Hybrid maize.	1	7	140	5	-	15	20		20	20
	<b>Total</b>	<b>3</b>	<b>14</b>	<b>280</b>	<b>15</b>		<b>45</b>	<b>60</b>		<b>60</b>	<b>60</b>
Water Management	Water management in paddy nursery.	1	2	40	5	-	15	20		20	20
	Water management in SRI paddy.	2	2	80	5	-	15	20		20	40
	Use of sprinkler	2	5	200	5	-	15	20		20	40
	<b>Total</b>	<b>5</b>	<b>9</b>	<b>320</b>	<b>15</b>		<b>45</b>	<b>60</b>		<b>60</b>	<b>100</b>
Seed Production	Seed production of fine Rice. Rajendra Sweta	2	5	200	5	-	15	20		20	40
	Seed production of Lentil cv. HUL-57	2	5	200	5	-	15	20		20	40
	Seed production of Gram	2	5	200	5	-	15	20		20	40
	Seed production of timely sown Wheat HD-2733	2	5	200	5	-	15	20		20	40
	Seed production of late sown Wheat HD-2643	2	5	200	5	-	15	20		20	40
	Seed production of Indian mustard	2	2	80	5	-	15	20		20	40
	Technique of certified seed production of wheat.	2	5	200	5	-	15	20		20	40
	Training on Handling of quality seed (Threshing, Packaging & storing).	2	2	80	5	-	15	20		20	40
	Importance of crop Germplasm.	2	2	80	5	-	15	20		20	40
	Farmer's rights under seed	2	2	80	5	-	15	20		20	40

	bill.										
	Farmers right under PVP&FRA act.	2	2	80	5	-	15	20		20	40
	Certification procedure for seed production of paddy.	2	2	80	5	-	15	20		20	40
	Certification procedure for seed production of wheat.	2	2	80	5	-	15	20		20	40
	<b>Total</b>	<b>26</b>	<b>56</b>	<b>1760</b>	<b>65</b>	<b>-</b>	<b>195</b>	<b>260</b>		<b>260</b>	<b>520</b>
Nursery Management	Preparation of raised bed nursery of rice.	2	2	80	5	-	15	20		20	40
	Preparation of rice nursery for SRI	1	2	40	5	-	15	20		20	20
	<b>Total</b>	<b>3</b>	<b>4</b>	<b>120</b>	<b>10</b>	<b>-</b>	<b>30</b>	<b>40</b>	<b>-</b>	<b>40</b>	<b>60</b>
Fodder production	Fodder production of Bar seem	1	2	40	5	-	15	20		20	20
	Fodder production of Sudan grass	1	2	40	5	-	15	20		20	20
	<b>Total</b>	<b>2</b>	<b>4</b>	<b>80</b>	<b>10</b>	<b>-</b>	<b>30</b>	<b>40</b>	<b>-</b>	<b>40</b>	<b>40</b>
Production of Organic Input	Brown Manuring in transplanted Rice	1	2	40	5	-	15	20	-	20	20
	Recycling of Agri. Waste as Vermi compost.	3	7	420	5	-	15	20		20	60
Production of low Volume & high value crops	Scientific cultivation of early Kharif cucurbits	1	2	40	5	-	15	20	-	20	20
	Scientific package of practices of hybrid Brinjal	1	2	40	5	-	15	20		20	20
	Scientific cultivation of early Kharif Okra	1	2	40	5	-	15	20		20	20
	Scientific cultivation of Chili	1	2	40	5	-	15	20		20	20
	Scientific cultivation of Cowpea	1	2	40	5	-	15	20		20	20
	Scientific cultivation of early Cauliflower	2	2	80	5	-	15	20		20	40
	Scientific cultivation of early tomato	2	2	80	5	-	15	20		20	40
	Scientific cultivation of early Potato	2	2	80	5	-	15	20		20	40
	Scientific package and practices of Vegetable pea	1	2	40	5	-	15	20		20	20
	Scientific cultivation of Cabbage	2	2	80	5	-	15	20		20	40
	Scientific cultivation of early Summer Okra	1	2	40	5	-	15	20		20	20
	Scientific cultivation of early summer cucurbits	2	2	80	5	-	15	20		20	40
	<b>Total</b>	<b>21</b>	<b>33</b>	<b>1140</b>	<b>70</b>	<b>-</b>	<b>210</b>	<b>280</b>	<b>-</b>	<b>280</b>	<b>420</b>
Nursery Raising	Raising healthy seedling of Kharif Brinjal	1	2	40	5	-	15	20		20	20
	Raising healthy seedling of Chili	1	2	40	5	-	15	20		20	20
	Raising healthy seedling of early Cauliflower	1	2	40	5	-	15	20		20	20
	Scientific nursery management for Onion	1	2	40	5	-	15	20		20	20
	Raising healthy seedling of early Tomato	1	2	40	5	-	15	20		20	20

	Raising healthy seedling of early Cabbage	1	2	40	5	-	15	20		20	20
	<b>Total</b>	<b>6</b>	<b>12</b>	<b>240</b>	<b>30</b>		<b>90</b>	<b>120</b>		<b>120</b>	120
Seed Production	Scientific seed production techniques of Potato	2	3	120	5	-	15	20		20	40
	<b>Total</b>	<b>2</b>	<b>3</b>	<b>120</b>	<b>5</b>		<b>15</b>	<b>20</b>		<b>20</b>	<b>40</b>
Weed Control	Weed Control by chemical means in Okra	1	2	40	5	-	15	20		20	20
	Control of Parthenium in Vegetable crops	1	2	40	5	-	15	20		20	20
	Chemical Weed Control in Potato	1	2	40	5	-	15	20		20	20
	Chemical Weed Control in Onion	1	2	40	5	-	15	20		20	20
	<b>Total</b>	<b>4</b>	<b>8</b>	<b>160</b>	<b>20</b>		<b>60</b>	<b>80</b>		<b>80</b>	80
Layout and management of Orchards	Scientific lay out for developing new mango orchard	2	5	200	5	-	15	20		20	40
	Scientific lay out for developing new Guava orchard	2	5	200	5	-	15	20		20	40
	<b>Total</b>	<b>4</b>	<b>10</b>	<b>400</b>	<b>10</b>		<b>30</b>	<b>40</b>		<b>40</b>	<b>80</b>
Cultivation of Fruits	Band placement of manures & fertilizer in old mango orchard	2	2	80	5	-	15	20		20	40
	Scientific package & practices for mango orchard	2	2	80	5	-	15	20		20	40
	Scientific package & practices for Guava Orchard	2	2	80	5	-	15	20		20	40
	<b>Total</b>	<b>6</b>	<b>6</b>	<b>240</b>	<b>15</b>		<b>45</b>	<b>60</b>		<b>60</b>	<b>120</b>
Production and Management technology	Scientific cultivation of marigold	1	2	40	5	-	15	20		20	20
	<b>Total</b>	<b>1</b>	<b>2</b>	<b>40</b>	<b>5</b>		<b>15</b>	<b>20</b>		<b>20</b>	<b>20</b>
Production and Management technology	Scientific Management of Japanese Mint	2	3	120	5	-	15	20		20	40
	<b>Total</b>	<b>2</b>	<b>3</b>	<b>120</b>	<b>5</b>		<b>15</b>	<b>20</b>		<b>20</b>	<b>40</b>
Tuber Crops Production and Management technology	Cultivation of early potato	1	3	60	5	-	15	20		20	20
	<b>Total</b>	<b>1</b>	<b>3</b>	<b>60</b>	<b>5</b>		<b>15</b>	<b>20</b>		<b>20</b>	<b>20</b>
Medicinal & Aromatic Plant Nursery management	Scientific cultivation of Japanese Mint	1	2	40	5	-	15	20		20	20
	<b>Total</b>	<b>1</b>	<b>2</b>	<b>40</b>	<b>5</b>		<b>15</b>	<b>20</b>		<b>20</b>	<b>20</b>
Post-harvest technology and value addition	Packaging & grading of Tomato	1	2	40	5	-	15	20		20	20
	<b>Total</b>	<b>1</b>	<b>2</b>	<b>40</b>	<b>5</b>		<b>15</b>	<b>20</b>		<b>20</b>	<b>20</b>
Soil Health & Fertility Management	P-management in Red Gram	1	2	40	5	-	15	20		20	20
	N-management in paddy nursery.	1	2	40	5	-	15	20		20	20

	N- Management in transplanted Paddy	1	2	40	5	-	15	20		20	20
	<b>Total-</b>	3	6	<b>120</b>	15	-	45	60	-	<b>60</b>	<b>60</b>
Integrated Nutrient Management	Advantages of Vermi compost in Rabi vegetable.	2	2	80	5	-	15	20		20	40
	Importance of Sulpher & Boron in Onion	2	2	80	5	-	15	20		20	40
	Nutrient management in Okra	2	5	200	5	-	15	20		20	40
	<b>Total</b>	<b>6</b>	<b>9</b>	<b>360</b>	<b>15</b>		<b>45</b>	<b>60</b>		<b>60</b>	<b>120</b>
Production and use of Organic input	Use of Bio-fertilizer in Paddy	2	2	80	5	-	15	20		20	40
	Use of Bio-fertilizer in Wheat.	2	2	80	5	-	15	20		20	40
	<b>Total</b>	<b>4</b>	<b>4</b>	<b>160</b>	<b>10</b>	-	<b>30</b>	<b>40</b>	-	<b>40</b>	<b>80</b>
Micro nutrient deficiency in Crop	Role of Zn-nutrients in scented Rice	1	2	40	5	-	15	20		20	20
	Zn & Boron application in Paddy	2	2	80	5	-	15	20		20	40
	Role of Zn-nutrients in Wheat	2	2	80	5	-	15	20		20	40
	Role of S & nutrients in Sugar Cane	1	2	40	5	-	15	20		20	20
	<b>Total</b>	<b>6</b>	<b>8</b>	<b>240</b>	<b>20</b>	-	<b>60</b>	<b>80</b>	-	<b>80</b>	<b>120</b>
Soil & Water Testing	Techniques of soil sampling	2	2	80	5	-	15	20		20	40
	Techniques of soil sampling	6	2	240	5	-	15	20		20	120
	<b>Total</b>	<b>8</b>	<b>4</b>	<b>320</b>	<b>10</b>		<b>30</b>	<b>40</b>		<b>40</b>	<b>160</b>
Land Leveling	Land leveling and its importance in Kharif crops production.	1	2	40	5	-	15	20		20	20
	Land leveling and its role in crop production.	1	2	40	5	-	15	20		20	20
	<b>Total</b>	<b>2</b>	<b>4</b>	<b>80</b>	<b>10</b>		<b>30</b>	<b>40</b>		<b>40</b>	<b>40</b>
Formation of Farm Science Club	Formation of Farm Science Club	2	7	280	5	-	15	20		20	40
	<b>Total</b>	<b>2</b>	<b>7</b>	<b>280</b>	<b>5</b>		<b>15</b>	<b>20</b>		<b>20</b>	<b>40</b>
Household Kitchen Gardening	Development of nutritional garden for gainful employment	2	5	200	5	-	15	-	20	20	40
	<b>Total</b>	<b>2</b>	<b>5</b>	<b>200</b>	<b>5</b>	-	<b>15</b>	<b>-</b>	<b>20</b>	<b>20</b>	<b>40</b>
Designing & Development of low cost diet	Preparation of low cost balanced diet for mother & children	1	2	40	5	-	15		20	20	20
	<b>Total</b>	<b>1</b>	<b>2</b>	<b>40</b>	<b>5</b>		<b>15</b>		<b>20</b>	<b>20</b>	<b>20</b>
Gender mainstreaming through SHGs	Fundamental of SHG & importance for women employment	2	2	80	5	-	15		20	20	40
	<b>Total</b>	<b>2</b>	<b>2</b>	<b>80</b>	<b>5</b>	-	<b>15</b>	<b>-</b>	<b>20</b>	<b>20</b>	<b>40</b>
Storage loss technique	Control of godown insect in cereals storage	5	2	200	5	-	15		20	20	100
	Techniques of insect free pulses storage	4	2	160	5	-	15		20	20	80
	<b>Total</b>	<b>9</b>	<b>4</b>	<b>360</b>	<b>10</b>		<b>30</b>		<b>40</b>	<b>40</b>	<b>160</b>
Value addition	Mango & Water melon squee	1	3	60	5	-	15		20	20	20
	Guava jelly making	1	3	60	5	-	15		20	20	20

	Value Added organic farming by SHGs	1	15	300	5	-	15		20	20	20
	Tomato Preservation	2	3	120	5	-	15		20	20	40
	<b>Total</b>	<b>5</b>	<b>24</b>	<b>540</b>	<b>20</b>	<b>-</b>	<b>60</b>		<b>80</b>	<b>80</b>	<b>100</b>
Rural Craft	Candle making	1	2	40	5	-	15		20	20	20
	Tie & dye Batik Painting	2	7	280	5	-	15		20	20	40
	<b>Total</b>	<b>3</b>	<b>9</b>	<b>320</b>	<b>10</b>	<b>-</b>	<b>30</b>	<b>-</b>	<b>40</b>	<b>40</b>	<b>60</b>
Income Generation	Backyard Poultry farming a good source of income	2	7	280	5	-	15		20	20	40
	Vegetable production in SHG	2	5	200	5	-	15		20	20	40
	<b>Total</b>	<b>4</b>	<b>12</b>	<b>480</b>	<b>10</b>	<b>-</b>	<b>30</b>		<b>40</b>	<b>40</b>	<b>80</b>
Drudgery reduction	Drudgery reduction through Weeder in Paddy	2	2	80	5	-	15		20	20	40
	Drudgery reduction through Weedicide in vegetable Production	2	2	80	5	-	15		20	20	40
	<b>Total</b>	<b>4</b>	<b>4</b>	<b>160</b>	<b>10</b>	<b>-</b>	<b>30</b>		<b>40</b>	<b>40</b>	<b>80</b>
Women & Child care	Use of pulses & local vegetable in child diet	2	2	80	5	-	15		20	20	40
	Vaccination and its role in Pregnancy & Child Hygiene	2	2	80	5	-	15		20	20	40
	Preparation of balanced diet for children & mother	2	3	120	5	-	15		20	20	40
	<b>Total</b>	<b>6</b>	<b>7</b>	<b>280</b>	<b>15</b>		<b>45</b>		<b>60</b>	<b>60</b>	<b>120</b>
Use of Zero Tillage Technology	Use of ZT for DSR in low land	2	5	200	5	-	15	20		20	40
	Use of zero tillage seed cum fertilizer drill for Lentil and Gram.	2	7	280	5	-	15	20		20	40
	Use of ridge bed seed drill for sowing vegetables.	2	3	120	5	-	15	20		20	40
	<b>Total</b>	<b>6</b>	<b>15</b>	<b>600</b>	<b>15</b>		<b>45</b>	<b>60</b>		<b>60</b>	<b>120</b>
Integrated Pest Management	Grass hopper Control in Sugar Cane	2	3	120	5	-	15	20		20	40
	Stem borer control in Scented Rice	1	2	40	5	-	15	20		20	20
	Control of pest in Paddy	2	3	120	5	-	15	20		20	40
	BPH Control in Paddy	2	2	80	5	-	15	20		20	40
	Stem borer control in Maize	1	2	40	5	-	15	20		20	20
	Gram pod borer Control	2	2	80	5	-	15	20		20	40
	Aphid management in mustard	1	2	80	5	-	15	20		20	40
	<b>Total</b>	<b>11</b>	<b>16</b>	<b>560</b>	<b>35</b>	<b>-</b>	<b>105</b>	<b>140</b>	<b>-</b>	<b>140</b>	<b>240</b>
Integrated Disease Management	BLB control in Rice	1	2	40	5	-	15	20		20	20
	Wilt control in Red gram	2	2	80	5	-	15	20		20	40
	BLB control in Rice	2	2	80	5	-	15	20		20	40
	Wilt Control in Lentil	2	2	80	5	-	15	20		20	40
	Wilt Control in Gram	2	2	80	5	-	15	20		20	40
	Control of early & late blight in Potato	2	2	80	5	-	15	20		20	40
	YVM disease control in Okra	1	2	40	5	-	15	20		20	20
	<b>Total</b>	<b>12</b>	<b>14</b>	<b>480</b>	<b>35</b>		<b>105</b>	<b>140</b>		<b>140</b>	<b>240</b>
Seed treatments	Seed treatment in Rice	1	2	40	5	-	15	20		20	20
	Seed treatment in Lentil	1	2	40	5	-	15	20		20	20
	Seed treatment in Potato	1	2	40	5	-	15	20		20	20

	Seed treatment in Wheat	1	2	40	5	-	15	20		20	20
	<b>Total</b>	<b>4</b>	<b>8</b>	<b>160</b>	<b>20</b>	<b>-</b>	<b>60</b>	<b>80</b>	<b>-</b>	<b>80</b>	<b>80</b>
Dairy Management	Management of Bovines for hygienic & clean Milk Production	2	2	80	5	-	15	20		20	40
	Management of cross Bred Dairy Cattle During Summer Season	1	2	40	5	-	15	20		20	40
	Care & management of Domestic Animal during Pregnancy	2	2	80	5	-	15	20		20	40
	Scientific Management of Dairy Animals post Parturition	1	2	40	5	-	15	20		20	20
	Housing Management of Dairy Animals for better Productivity	1	2	40	5	-	15	20		20	20
	Management of infertility in Buffalo	1	2	40	5	-	15	20		20	20
	Management of infertility in Cross Bred Animals	2	2	80	5	-	15	20		20	40
	Management of Cross Bred Calf for better Production	1	2	40	5	-	15	20		20	20
	<b>Total</b>	<b>11</b>	<b>16</b>	<b>440</b>	<b>40</b>	<b>-</b>	<b>120</b>	<b>160</b>	<b>-</b>	<b>160</b>	<b>240</b>
Disease Management in Cattle	Vaccination of cattle for different infectious diseases	2	2	80	5	-	15	20		20	40
	Management of Hypocalcemia in milk animals	2	2	80	5	-	15	20		20	40
	Prevention & management of Degenala disease in Cattle	1	2	40	5	-	15	20		20	20
	Management of Ecto-parasites in Domestic animals	1	2	40	5	-	15	20		20	20
	<b>Total</b>	<b>6</b>	<b>8</b>	<b>240</b>	<b>20</b>	<b>-</b>	<b>60</b>	<b>80</b>	<b>-</b>	<b>80</b>	<b>120</b>
Disease Management in Goat	Vaccination of Goat for different infectious diseases	1	2	40	5	-	15	20		20	20
	Prevention & management of Diarrhea in Goats	1	2	40	5	-	15	20		20	20
	<b>Total</b>	<b>2</b>	<b>4</b>	<b>80</b>	<b>10</b>	<b>-</b>	<b>30</b>	<b>40</b>	<b>-</b>	<b>40</b>	<b>40</b>
Disease Management in Poultry	Vaccination of Broiler for different infectious diseases	2	2	80	5	-	15	20		20	40
	Management of Feed borne fungal Disease in poultry	1	2	40	5	-	15	20		20	20
	<b>Total</b>	<b>3</b>	<b>4</b>	<b>120</b>	<b>10</b>	<b>-</b>	<b>30</b>	<b>40</b>	<b>-</b>	<b>40</b>	<b>60</b>
Goatery management	Care & management of Goats for Endo & Ecto Parasites	1	2	40	5	-	15	20		20	20
	Improved method of Backyard Goat Farming	2	2	80	5	-	15	20		20	40
	<b>Total</b>	<b>3</b>	<b>4</b>	<b>120</b>	<b>10</b>	<b>-</b>	<b>30</b>	<b>40</b>	<b>-</b>	<b>40</b>	<b>60</b>
Feed Management	Effect of Green Fodder on Milk Production In Milch Animals	2	2	80	5	-	15	20		20	40
	Improved method of feeding to cross bred Heifers for better growth	2	2	80	5	-	15	20		20	40

	& Production										
	Effect of balance feeding in milch Animals	2	2	80	5	-	15	20		20	40
	<b>Total</b>	<b>6</b>	<b>6</b>	<b>240</b>	<b>15</b>	<b>-</b>	<b>45</b>	<b>60</b>		<b>60</b>	<b>120</b>
Poultry Management	Improved method of back Yard Poultry Farming	2	2	80	5	-	15	20		20	40
	Scientific Broiler Farming for better Productivity	2	2	80	5	-	15	20		20	40
	Housing Management poultry during Winter season	1	2	40	5	-	15	20		20	20
	<b>Total</b>	<b>5</b>	<b>6</b>	<b>200</b>	<b>15</b>	<b>-</b>	<b>45</b>	<b>60</b>		<b>60</b>	<b>100</b>
	<b>Grand Total A.</b>	<b>233</b>	<b>404</b>	<b>13220</b>	<b>745</b>		<b>2235</b>	<b>2620</b>	<b>360</b>	<b>2980</b>	<b>4750</b>

## B. Rural Youths

Thematic Area*	Title	Total No Of Course	Duration	Total Trainee Days	No. of participants			Total			G.T
					SC	S T	Others	M	F	T	
Seed Production	Seed Production of rice cv. R Sweta	2	5	200	5	-	15	20		20	40
	Seed Production of Gram	2	5	200	5	-	15	20		20	40
	Seed Production of Lentil	2	5	200	5	-	15	20		20	40
	Seed Production of Gram	1	5	100	5	-	15	20		20	20
	Seed production Wheat	2	5	200	5	-	15	20		20	40
	<b>Total</b>	<b>9</b>	<b>25</b>	<b>900</b>	<b>25</b>		<b>75</b>	<b>100</b>		<b>100</b>	<b>180</b>
Crop diversification	Commercial production of scented Rice.	1	5	100	5	-	15	20		20	20
	Commercial production of Quality protein maize.	2	5	200	5	-	15	20		20	40
	<b>Total</b>	<b>3</b>	<b>10</b>	<b>300</b>	<b>10</b>	<b>-</b>	<b>30</b>	<b>40</b>		<b>40</b>	<b>60</b>
Integrated Farming	Scientific Cultivation techniques of Marigold	1	5	100	5	-	15	20		20	20
	<b>Total</b>	<b>1</b>	<b>5</b>	<b>100</b>	<b>5</b>		<b>15</b>	<b>20</b>		<b>20</b>	<b>20</b>
Commercial Fruit Cultivation	Scientific cultivation practices of Mango	1	5	100	5	-	15	20		20	
	<b>Total</b>	<b>1</b>	<b>5</b>	<b>100</b>	<b>5</b>	<b>-</b>	<b>15</b>	<b>20</b>		<b>20</b>	<b>20</b>
Small Scale Processing	Preparation of green mango pickle	1	3	60	5	-	15		20	20	20
	Mango & Watermelon squace	1	3	60	5	-	15		20	20	20
	Guava Jelly making	1	3	60	5	-	15		20	20	20
	<b>Total</b>	<b>3</b>	<b>9</b>	<b>180</b>	<b>15</b>		<b>45</b>		<b>60</b>	<b>60</b>	<b>60</b>
Tailoring & Stitching	Tailoring	1	90	2700	5	-	25		30	30	30
	<b>Total</b>	<b>1</b>	<b>90</b>	<b>2700</b>	<b>5</b>	<b>-</b>	<b>25</b>		<b>30</b>	<b>30</b>	<b>30</b>
Rural Craft	Advance Dress Designing	1	15	300	5	-	15		20	20	20
	Tie & dye, Batik painting	2	7	280	5	-	15		20	20	40
	<b>Total</b>	<b>3</b>	<b>22</b>	<b>580</b>	<b>10</b>		<b>30</b>		<b>40</b>	<b>40</b>	<b>60</b>
Dairy Management	Scientific management of Dairy Cattle for Entrepreneurship development	2	15	600	5	-	15	20		20	40
Poultry management	Improved method of Broiler Production for Entrepreneurship development in Rural Youth	2	15	600	5	-	15	20		20	40
	<b>Total</b>	<b>4</b>	<b>30</b>	<b>1200</b>	<b>10</b>	<b>-</b>	<b>30</b>	<b>40</b>		<b>40</b>	<b>80</b>
	<b>Grand Total B.</b>	<b>25</b>	<b>196</b>	<b>6060</b>	<b>85</b>		<b>265</b>	<b>220</b>	<b>130</b>	<b>350</b>	<b>510</b>

## C. Extension Functionaries

Thematic Area*	Title	Total No Of Course	Duration	Total Trainee Days	No. of participants			Total			G.T.
					SC	S T	Others	M	F	T	
Productivity Enhancement in Field Crop	New vistas in summer pulses	1	2	40	5	-	15	20		20	20
	Advances in medicinal crop production	1	2	40	5	-	15	20		20	20
	Constraints of rice seeds production	1	2	40	5	-	15	20		20	20
	Advantage of SRI Techniques	1	2	40	5	-	15	20		20	20
	Techniques for higher oilseed production	1	2	40	5	-	15	20		20	20
	Constraints of Rabi pulses.	1	2	40	5	-	15	20		20	20
	Modern concept of organic farming	1	2	40	5	-	15	20		20	20
	<b>Total</b>	<b>7</b>	<b>14</b>	<b>280</b>	<b>35</b>		<b>105</b>	<b>140</b>		<b>140</b>	<b>140</b>
Protected Cultivation Technique	Advantage & technique of drip irrigation system in horticultural crop	1	2	40	5		15	20		20	20
IPM	IPM in Paddy	1	2	40	5	-	15	20		20	20
	Integrated Termite Control	1	2	40	5	-	15	20		20	20
	IPM in Potato	1	2	40	5	-	15	20		20	20
	IPM in Pulses	1	2	40	5	-	15	20		20	20
	<b>Total</b>	<b>4</b>	<b>8</b>	<b>160</b>	<b>20</b>		<b>60</b>	<b>80</b>		<b>80</b>	<b>80</b>
Fruit Production	High density Plantation of Mango	1	2	40	5	-	15	20		20	20
Aromatic Cultivation	Cultivation of Japanese Mint & its distillation techniques	1	2	40	5	-	15	20	-	20	20
RCT	Use of ZT	1	2	40	5	-	15	20		20	20
SHG	Formation of SHG	1	2	40	5	-	15	20		20	20
House hold Kichen Gardening	House hold food security	1	2	40	5	-	15	20		20	20
Storage loss technique	Control of godown pest	1	2	40	5	-	15	20		20	20
Drudgery reduction	Location specific drudgery reduction	1	2	80	5	-	15	20		20	40
Seed Production	Seed Production of Cereal & Pulses	2	2	80	5	-	15	20		20	40
Dairy management	Role of Animal Husbandry in Integrated Farming	1	2	40	5	-	15	20		20	20
Poultry management	New Vistas in Broiler Farming	1	2	40	5	-	15	20		20	20
	<b>Total C.</b>	<b>24</b>	<b>44</b>	<b>960</b>	<b>110</b>	<b>-</b>	<b>330</b>	<b>440</b>		<b>440</b>	<b>480</b>

**(a) Sponsored**

Thematic Area*	Title	Total No Of Course	Duration	Total Trainee Days	No. of participants			Total			G.T.
					SC	ST	Others	M	F	T	
Seed Production	Seed Production of rice cv.- R Sweta	1	5	100	5	-	15	20		20	20
	Quality seed production of sugarcane.	1	7	140	5	-	15	20		20	20
Commercial Fruit Cultivation	Lay-out of mother orchards	1	5	100	5	-	15	20		20	20
Value addition	Cereal Seed Processing & Packaging	1	2	40	5	-	15		20	20	20
IPM	BPH Control in Paddy	2	5	200	5	-	15	20		20	40
IDM	Wilt Control in Lentil	2	2	80	5	-	15	20		20	40
	<b>Total</b>	<b>8</b>	<b>26</b>	<b>660</b>	<b>30</b>	<b>-</b>	<b>90</b>	<b>100</b>	<b>20</b>	<b>120</b>	<b>160</b>

**(b) Vocational**

Thematic Area*	Title	Total No Of Course	Duration	Total Trainee Days	No. of participants			Total			GT
					SC	ST	Others	M	F	T	
Medicinal & Aromatic Plant Nursery management	Scientific cultivation of Japanese Mint	1	2	40	5	-	15	20		20	20
Commercial Fruit Cultivation	Scientific layout for developing new Guava orchard	1	2	40	5	-	15	20		20	20
Garden Management	Mali Training	1	180	4500	5	-	15	20		20	20
Rural Craft	Beautician & Parlor	1	180	3600	5	-	15		20	20	20
	<b>Total</b>	<b>4</b>	<b>364</b>	<b>8180</b>	<b>20</b>	<b>-</b>	<b>60</b>	<b>60</b>	<b>20</b>	<b>80</b>	<b>80</b>

**1 A.-Frontline Demonstration**

Sl. No	Season	Crop	Variety/Component	No. of demonstration	Area (ha)
1	Khariif	Paddy	R Kasturi	20	5.0
2		Paddy	DSR of cv BPT 5204 with ZT Drill	25	10.0
3		Pearl Millet	Pioneer 85	15	5.0
4	Rabi	Wheat	HD-2967	15	5.0
5		Wheat	Weed control	24	6.0
6		Lentil	HUL-57	12	5.0
7		Lentil	Weed (Cuscuta) control	25	10.0
8		Gram	Weed (Cuscuta) control	15	5.0
9		Mustard	Aphid control	15	5.0
10		Tomato	Boron & Sulfur application	12	3.0
			<b>Grand Total</b>	<b>178</b>	<b>59.0</b>

## 2 B. Seed and planting material production

Seed		Planting material	
Crop	Area (ha)	Crop	Area/No
Paddy	50	Vegetable Seedlings	5000
Wheat	100	Agro-Forestry Plants	2000
Lentil	20	Papaya Seedling	1000
Gram	20	Mango Plants	1000
Sugar Cane	5		

## 3 C. Extension Activities

Activities	No.	Participation
FIELD DAYS	10	300
KISHAN MELA	3	1500
DIAGNOSTIC SERVICES	30	600
FARMERS VISIT TO KVK		1200
PUBLICATION & DISTRIBUTION	30	6000
KISHAN GOSTHI	8	500
DD / RADIO TALK	6	
FILM SHOW	120	

## 3D. Expected fund utilization-NA

Project	Source	Amount to be received (Rs. In lakh)

## 4 D. On-farm trials to be conducted

Sl. No	Thematic Area	Title	Treatments	No. of farmer
1	Cropping System	Evaluation of Suitable Wheat cultivar & Date of sowing in Rice – Wheat Cropping system	T. O. 1– Farmers Practice i.e. cultivation in late November T. O. 2– Sowing of wheat on 1st November T. O. 3– Sowing of wheat on 7st November T. O. 4– Sowing of wheat on 15st November HD2733, HD2967 will be used as new entries	30
2	Cropping System	Evaluation of Maize-Potato inter cropping	T. O. 1– Farmers Practice i.e. sole crop T. O. 2– Potato with Maize	10
3	Weed Control	Chemical control of parasitic weeds of lentil	T. O. 1– Farmers practice (Hand weeding) T. O. 2– Pendimethalin - @1.0 kg a.i. / ha as pre-emergence T. O. 3– Quizalfop ethyl @40 g a.i. / ha as post emergence	10
4	Water Management	Irrigation water management in Summer bottle gourd through ring basin and mulching	T. O. 1– Farmers Practice : Cultivation of bottle gourd in check basins T. O. 2– Cultivation of bottle gourd in small ring basin (30cm dia) joined by furrow to other rings basin. T. O. 3– Cultivation of bottle gourd in small ring basin with straw mulch	20

5	Fertilizer management	Response of B application on the yield of mango	T. O 1– Farmer practices (FYM@10Kg./Plant) T. O 2– Soil application of Borax @ 250 gm./Plant. T. O 3– Foliar application of Borax @ 10 gm. /liter of water.	10
6	Canopy Management	Canopy management in Mango.	T. O 1– Farmer practices (No any Practices) T. O 2– Side pruning T. O 3– Open Center Pruning	10
7	IDM	Management of False smut disease of paddy	T. Opt. 1–. Farmers practices (control). T. Opt. 2– Seed treatment with Carbendazim (2g /kg seed) T. Opt. 3– Seed treatment with Carbendazim (2g /kg seed) +Two spray of Propiconazole (1.0 kg a.i. /ha) before Flowering and at grain filling stage.	10
8	IDM	Management of Sheath Blight of Paddy	T. O 1– Farmers Practice i.e. .Spray of Hexaconazole 5EC (three spray) T. O 2– Spray of Thifluzamide 24 %SC (three spray)	20
9	Adoption of technology	Rate of adoption of ZT Drill among Irrigated & Rainfed area farmers.	T. O 1– Canal area farmers T. O 2– Rainfed area farmer	30
10	Adoption of technology	Rate of adoption of Hybrid Paddy among irrigated & Rainfed farmers.	T. O 1– Canal area farmers T. O 2– Rainfed area farmer	30
11	Breed Improvement	Assessment of improve poultry breed in backyard farming in Bhojpur.	T. O 1– Farmer practices (Local) T. O 2– Divyan red T. O 3– Banraja T. O 4– Grampriya	15
12	Value Addition	Assessment of Shelf life of Mango Pickle	T. O 1– Women’s practice(traditional Method) T. O 2– Use of acetic acid @10ml/kg and sodium benzoate @0.5mg/kg as chemical preservative T. O 3– Use of Jamun Shirka as preservative	30
	TOTAL			225

B. List of projects to be implemented -NA

Name of the project	Fund expected (Rs.)

C. Number of success stories to be developed

- a) Paddy Seed Production
- b) Pulses Seed Production
- c) Wheat Seed Production
- d) Commercial Floriculture
- e) Commercial Vermi Composting

D. Scientific Advisory Committee

Date of SAC meeting held during 2014-15	Proposed date
	June 2015

E. Soil and water testing

	No. of sample to be analyzed
Soil	1000
Plant	-
Manure	-

F. Staff position (As on 31-03-2015)

Sl. No.	Sanctioned	In position	Name	If vacant, since when
1	Programme Coordinator	02.06.2001	Dr. Pravin Kumar Dwivedi	
2	SMS (Hort.)	09.10.1996	Sri Nilesh Kumar	
3	SMS (H. Sc.)	11.08.2001	Smt. Supriya Verma	
4	SMS (PP)	14.01.2013	Sri Shashi Bhushan Kumarr Shashi	
5	SMS (Ag. Extn.)	14.01.2013	Dr. Sachidanand Singh	
6	SMS (PBG)	16.01.2013	Dr. Anil Kumar Yadav	
7	SMS (Vet. A.H.)	28.01.2013	Dr. Alok Singh	01.01.2015
8	Programme Assistant		Vacant	14.01.2013
9	Prog. Asstt. (Computer)	01.01.2001	Sri Pankaj Kumar	
10	Farm Manager	06.02.2001	Sri Sunil Kumar	
11	Assistant	16.01.2013	Sri Sanjeev Raghuvanshi	
12	Jr. Stenographer	18.12.2000	Sri RadhaKrishan Nair	
13	Driver	02.12.2000	Sri Mahabir Ram	
14	Driver	06.12.2000	Sri Gopal Kumar	
15	Supporting Staff G-I	07.06.2001	Smt. Baby Kumari	
16	Supporting Staff G-I		Vacant	07.09.2008

G. Status of infrastructure

Infrastructure	Complete	Under Construction	Not started	Reasons, if not started
Administrative Building	Complete			
Trainees hostel	Complete			
Staff Quarter	Complete			
Demonstration Unit	Complete			
Poultry Unit				
Distillation Unit for Medicinal & Aromatic plant	Complete			
Vermi Compost Unit	Complete			

H. Fund requirement and expenditure (Rs.)

	Expenditure (last year)	Expected requirement (Rs. in Lakh)
<b>Recurring</b> Pay & allowance Contingency TA		
<b>Non-recurring (specify)</b> Library Works Equipment		
<b>Total</b>		

## OFT 2015-16

1.

01.	<b>Title of On-Farm Trail</b>		:	Varietal Evaluation of Wheat Cultivars for different date of sowing
02.	<b>Micro-irrigation system</b>		:	Irrigated
03.	<b>Problem identified</b>		:	Traditionally long duration Paddy is grown in major parts of canal irrigated situation. This results in delay up to 40 days in Wheat sailing. This leads to drastic reduction in Wheat productivity with all based management practices.
04.	<b>Hypothesis</b>		:	Timely sowing that is in 1 <sup>st</sup> week of Nov. Provides more cold days for better vegetative growth of Wheat which may result in better productivity
05.	<b>Source of technology</b>		:	CSISA
06.	Technical intervention		:	For sowing of timely Wheat seed a proper naming is need so that the field will be free from Paddy in last week of Oct.
07.	Treatment details	Tech. option -1  Tech. option -2  Tech. option -3	:	Sowing of Wheat on 1 <sup>st</sup> Nov.  Sowing of Wheat on 7 <sup>th</sup> Nov.  Sowing of Wheat on 15 <sup>th</sup> Nov.
08.	Replication		:	30
09.	Performance indicators	Technical observation	:	Tillering increase/decrease in yield test weight
		Economic indicators	:	Net return BC ratio
		Farmers feedback	:	Over all crop Growth Grain Quality

## 2.

01.	<b>Title of On-Farm Trail</b>		:	Evaluation of Maize-Potato inter cropping
02.	<b>Micro-irrigation system</b>		:	Irrigated Upland
03.	<b>Problem identified</b>		:	At times the Potato crop is facing severe disease and natural challenges resulting in very poor economic returns. Under such changing situation Maize is the future crop which can change the economics
04.	<b>Hypothesis</b>		:	Newly developed Shaktiman Series varieties may be a good choice for intercropping with Potato and it may be replace the traditional cultivation of sole potato crop.
05.	<b>Source of technology</b>		:	RAU, PUSA
06.	Technical intervention		:	High yielding Hybrid Maize seed
07.	Treatment details	Tech. Option -1 Tech .Option -2	:	Farmers practice (i.e. cultivation of Potato) : <b>Cultivation of Potato + Maize</b>
08.	Replication		:	10 (0.20 ha. / farmers)
09.	Performance indicators	Technical observation	:	Increase/decrease in yield equivalent, test weight
		Economic indicators	:	Net return BC ratio
		Farmers feedback	:	Crop growth & yield.

### 3.

01.	<b>Title of On-Farm Trail</b>		:	Chemical control of parasitic weeds of lentil
02.	<b>Micro-irrigation system</b>		:	Rainfed
03.	<b>Problem identified</b>		:	Cuscutta as parasite weed is fastly covering a large area under pulses specially lentil. This weed is also hazardous for animal and other associated crops.
04.	<b>Hypothesis</b>		:	As pre-emergence weedicide Pendimethalin is controlling the weed emergence in early stage but again it is appearing .Thus there is need of Post emergence weedicide for the control of such parasites A new broad spectrum Post emergence weedicide Quizalofop ethyl will control effectively the Cuscutta and may solve the problem.
05.	<b>Source of technology</b>		:	RAU, Pusa
06.	Technical intervention		:	Weedicides
07.	Treatment details	Tech. option -1 Tech. option -2 Tech. option -3	:	Farmers practice (Hand removal) : Pendimethalin - @1.0 kg a.i. / ha as pre-emergence : Quizalofop ethyl l @40 g a.i./ ha as post- emergence
08.	Replication		:	20(Area 0.3 ha./farmers)
09.	Performance indicators	Technical observation	:	Weed Count / m <sup>2</sup> , dry wt., Yield attributes, yield
		Economic indicators	:	Net return B. C. Ration
		Farmers feedback	:	Quality & Effectiveness of the chemical return

#### 4.

01.	<b>Title of On-Farm Trail</b>		:	Evaluation of Chemical Wilt control in Bottle Gourd
02.	<b>Micro-irrigation system</b>		:	Irrigated Upland
03.	<b>Problem identified</b>		:	Bottle gourd is one of the leading crop and is grown in an area of 1200 ha. Having the Average productivity of 300 Qt/ha. (net return Rs. 1.4 Lakh/ha.) but since last 3-4 years there is drastic reduction in yield up to 40% was observed due to wilt infestation This has severely affected the economic return of this highly value crop
04.	<b>Hypothesis</b>		:	The traditional molecule foliar application is partially controlling the disease. A new broad spectrum fungicide having the combination of Pyrochlorabin 5%+Metiram 55% a good curative for this disease This molecules was evaluated in KVK & was found significant by good for the control of Wilt.
05.	<b>Source of technology</b>		:	K.V.K., Bhojpur
06.	Technical intervention		:	Fungicide
07.	Treatment details	Tech. Option -1  Tech. Option -2	:	Farmers practice two spray of Mancozeb+Carbendazime @2 Kg./ha.  Two spray Pyrochlorabin 5%+Metiram 55% @ 1 Kg./ha.
08.	Replication		:	8 (0.15 ha. Per farmers)
09.	Performance indicators	Technical observation	:	No. Of infected plant per100mt
Economic indicators		:	Net return B. C. Ration	
Farmers feedback		:	Disease infestation fruit quality economical return	

## 5.

01.	<b>Title of On-Farm Trail</b>		:	Evaluation of Molecules for effective Sheath Blight Control in Paddy
02.	<b>Micro-irrigation system</b>		:	Irrigated
03.	<b>Problem identified</b>		:	Rice crop in general is suffering a lot due to Sheath Blight infection caused by Rhizotania solani now this disease is appearing in epidemic form in the initial stage of flowering & thus result in heavy loss in rice production
04.	<b>Hypothesis</b>		:	As found in crop cafeteria of KVK Bhojpur that the molecules Thifluzamide 24% SC was significantly superior over the recommended molecules Hexaconazole 5 EC Realizing the results during 2013-14 an OFT was conducted and results were highly encouraging for better assessment it going to be repeated under OFT programme during this year that is 2014-15.
05.	<b>Source of technology</b>		:	KVK, Bhojpur
06.	Technical intervention		:	Spraying of Thifluzamide
07.	Treatment details	Tech. option -1	:	Spraying of Hexaconazole 5 EC @ 1.25 lit / Ha.
		Tech. option -2	:	Spraying of Thifluzamide 24% SC @ 3.75 ml/ ha.
08.	Replication		:	20 (5 ha.)
09.	Performance indicators	Technical observation	:	Occurrence of Sheath Blight Increase in yield Paddy yield
		Economic indicators	:	Net return BC ratio
		Farmers feedback	:	Plant health & efficiency of medicine

SN	Particulars	Description
1.	Intervention	05
2.	Title	Irrigation water management in bottle gourd cultivation through ring basin and mulching
3.	Micro-farming situation	Alluvial soil medium to upland
4.	Production system	Paddy-pulse –vegetables
5	Thematic area	Water Management
6.	Problem	Cultivation practices of bottle gourd in check basins require 25-30 % more water.
7.	Potential solution	Cultivation practices through small ring basin for each plant joined by other ring through furrow may save 20% of water Straw mulching of these ring basin might be a potential solution for water saving.
8.	Source of technology	IARI, New Delhi.
9.	Technology option	<ol style="list-style-type: none"> <li>1. Farmers Practice : Cultivation of bottle gourd in check basins</li> <li>2. Cultivation of bottle gourd in small ring basin(30cm dia) joined by furrow to other rings.</li> <li>3. Cultivation of bottle gourd in small ring basin with straw mulch</li> </ol>
10.	Plot Size	250 square meter
11.	No of farmers	8
12.	Critical input	Seed and chemicals
13.	Performance Indicator	<p><b>Technical observations</b></p> <p>Volume of water applied</p> <p>Frequency of Irrigation</p> <p>Days to First flowering stage after sowing</p> <p>Days to First fruit harvesting after sowing</p>
		<p><b>Economic Indicator</b></p> <p>Net return, B: C ratio</p>
		<b>Farmers' reaction/ feedback</b>

## 6.

01.	<b>Title of On-Farm Trail</b>		:	
02.	<b>Micro-irrigation system</b>		:	
03.	<b>Problem identified</b>		:	
04.	<b>Hypothesis</b>		:	
05.	<b>Source of technology</b>		:	
06.	Technical intervention		:	
07.	Treatment details	Tech. option -1  Tech. option -2  Tech. option -3	:  :  :	
08.	Replication		:	
09.	Performance indicators	Technical observation	:	1.
		Economic indicators	:	
		Farmers feedback	:	

## 7.

01.	<b>Title of On-Farm Trail</b>		:	
02.	<b>Micro-irrigation system</b>		:	
03.	<b>Problem identified</b>		:	
04.	<b>Hypothesis</b>		:	
05.	<b>Source of technology</b>		:	
06.	<b>Technical intervention</b>		:	
07.	<b>Treatment details</b>	<b>Tech. option -1</b>	:	
		<b>Tech. option -2</b>	:	
		<b>Tech. option -3</b>	:	
08.	<b>Replication</b>		:	
09.	<b>Performance indicators</b>	<b>Technical observation</b>	:	
		<b>Economic indicators</b>	:	
		<b>Farmers feedback</b>	:	

SN	Particulars	Description
1.	Intervention	03
2.	Title	Management of False smut disease of paddy
3.	Micro farming situation	Mid land
4.	Production system	Rice-Wheat
5	Thematic area	IDM
6.	Problem	The incidence of false smut disease at flowering in paddy results in heavy loss in yield causing the seed unfit for consumption. The spread of disease is very fast through smutted spores.
7.	Potential solution	The application of fungicides at different stages may control the incidence of disease and

		combat further spread. .
8.	Source of technology	RAU, Pusa
9.	Technology option	1. Farmers practices (control) . 2. Seed treatment with Carbendazim (2g /kg seed 3.. Seed treatment with Carbendazim (2g /kg seed)+Two spray of Propaconazole(1.0 kg a.i./ha) before and grain filling.
		.
10.	Plot Size	250 sq. mtr
11	No of farmer	08
12	Critical input	Fungicides, fertilizer
13	Perform indicate	<b>Technical observations</b> Percent disease incidence Yield attributes, yield,
		<b>Economic Indicator</b> Net return, B: C ratio
		<b>Farmers' reaction/ feedback</b>

## 8.

<b>01.</b>	<b>Title of On-Farm Trail</b>		:	
<b>02.</b>	<b>Micro-irrigation system</b>		:	
<b>03.</b>	<b>Problem identified</b>		:	
<b>04.</b>	<b>Hypothesis</b>		:	
<b>05.</b>	<b>Source of technology</b>		:	

<b>06.</b>	<b>Technical intervention</b>		:	
<b>07.</b>	<b>Treatment details</b>	<b>Tech. option -1</b>	:	
		<b>Tech. option -2</b>	:	
		<b>Tech. option -3</b>	:	
<b>08.</b>	<b>Replication</b>		:	
<b>09.</b>	<b>Performance indicators</b>	<b>Technical observation</b>	:	
		<b>Economic indicators</b>	:	
		<b>Farmers feedback</b>	:	