ACTION PLAN

(April 2014 - March2015)

भाकृअनुप
ICAR

PRESENTED TO ZONAL PROJECT DIRECTORATE ZONE - II
[5.4.2014]

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

BHOJPUR AT A GLANCE

1. ESTABLISHMENT: 18.12.1972
(Partition of old Shahabad District and formation of Bhojpur and Rohtas)

2.GEOGRAPHICAL LOCATION:

Latitude: $25^0 15'$N to $25^0 46'$N

Longitude: $84^0 45'$E to $85^0 15'$E

Altitude: 195.98 M above MSL

3.GEOGRAPHICAL BOUNDRY:

North: River Gangas, Saran &Baliyan district
South: Rohtas and Gaya district
East: River Sone and Patna district
West: District Buxer

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.

I.Rainfall data (m.m.)

Normal : 925
Actual : 983.85/2002 1175.43/2003 725.24/2004

II. Temperature : Min. 6^0C; Max.40^0C

III. Relative Humidity: 35 to $95^0/_0$

6. NO. OF BLOCKS/VILLAGE

(a) No. of Blocks	: 14
(b) No. of Village Panchayat	: 228
(c) No. of Village-Inhibited	: 999
(d) No. of Village-Non-Inhibited	: 218
(e) No. of Village Electrified	: 426

7. (a). POPULATION (AS PER 2001 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%

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

Sl 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:

(a) Total Cultivators : 227049

(b) Small &marginal farmers : 221535

(c) Agricultural laborers : 259482

(d) Artisans : NA

(e) Workers in household industries : 24476

(f) Allied Agro Activities & Other works : 144028

(g) Total working Population : 655935

(h) $^{0}/_{0}$ of working Population to Total Population : 29.15$^{0}/_{0}$

9.

Size of Land holding	No. of holding	(%)	Area (ha)	(%)
(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
TOTAL	**258204**		**188134**	

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.

Sl. No.	Source	Kharif Area (ha)	Rabi Area (ha)
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
	Total	**1,00,407(ha)**	**68,781 (ha)**

12.AREA COVERED UNDER DIFFERENT CROPS

Kharif		Rabi		Summer (ha)	
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		
Total	**1,34,355**		**1,64,360**		**575**

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
Total	**122**

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	--

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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 ran 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 onneed based.

THRUST AREAS:

Thrust area identified through PRA survey

and other methods.

1- Integrated Crop Management & Farming System
(RCT +INMS+IPM+Organic Farming etc.)

2- Rural Entrepreneurial development
(Seed Production+ Organic Food
+ Growers Association etc.)

3.-Improvement in Animal Husbandary

Action Plan- 2014-15

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 2014 to March 2015)

A. Farmers and Farmwomen

Thematic Area*	Title	Total No Of Course	Duration	Total Trainee Days	No. of participants			Total			G.T
					SC	ST	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
	Total	**6**	**12**	**240**	**30**		**90**	**120**		**120**	**120**
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
	Total	**3**	**4**	**120**	**10**		**30**	**40**		**40**	**60**
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
	Total	**3**	**6**	**120**	**15**		**45**	**60**		**60**	**60**
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
	Total	**3**	**14**	**280**	**15**		**45**	**60**		**60**	**60**
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
	Total	**5**	**9**	**320**	**15**		**45**	**60**		**60**	**100**
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 bill.	2	2	80	5	-	15	20		20	40
	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
	Total	**26**	**56**	**1760**	**65**	**-**	**195**	**260**		**260**	**520**
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
	Total	3	4	**120**	10	-	30	40	-	40	60
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
	Total	**2**	**4**	**80**	**10**	-	**30**	**40**	-	40	**40**
Production of Organic Input	Brown Mannuring 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 Chilli	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
	Total	21	33	**1140**	70	-	210	280	-	280	420
Nursery Raising	Raising healthy seedling of Kharif Brinjal	1	2	40	5	-	15	20		20	20
	Raising healthy seedling of Chilli	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
	Total	6	**12**	**240**	**30**		**90**	**120**		**120**	120
Seed Production	Scientific seed production techniques of Potato	2	3	120	5	-	15	20		20	40
	Total	**2**	**3**	**120**	**5**	**-**	**15**	**20**		**20**	**40**
Weed Control	Weed Control by chemical means in Okra	1	2	40	5	-	15	20		20	20
	Chemical 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
	Total	4	**8**	**160**	**20**		**60**	**80**		**80**	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
	Total	**4**	**10**	**400**	**10**		**30**	**40**		**40**	**80**
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
	Total	**6**	**6**	**240**	**15**		**45**	**60**		**60**	**120**
Production and Management technology	Scientific cultivation of marigold	1	2	40	5	-	15	20		20	20
	Total	**1**	**2**	**40**	5	-	15	**20**		**20**	**20**
Production and Management technology	Scientific Management of Japanese Mint	2	3	120	5	-	15	20		20	40
	Total	**2**	**3**	**120**	5	-	15	**20**		**20**	**40**
Tuber Crops Production and Management technology	Cultivation of early potato	1	3	60	5	-	15	20		20	20

	Total	**1**	**3**	**60**	5	-	15	**20**		**20**	**20**
Medicinal & Aromatic Plant Nursery management	Scientific cultivation of Japanese Mint	1	2	40	5	-	15	20		20	20
	Total	**1**	**2**	**40**	5	-	15	**20**		**20**	**20**
Post-harvest technology and value addition	Packaging & grading of Tomato	1	2	40	5	-	15	20		20	20
	Total	**1**	**2**	**40**	5	-	15	**20**		**20**	**20**
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
	Total-	3	6	**120**	15	-	45	60	-	**60**	**60**
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
	Total	**6**	**9**	**360**	**15**		**45**	**60**		**60**	**120**
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
	Total	**4**	**4**	**160**	**10**	-	**30**	**40**	-	**40**	**80**
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
	Total	**6**	**8**	**240**	**20**	**-**	**60**	**80**	**-**	**80**	**120**
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
	Total	**8**	**4**	**320**	**10**		**30**	**40**		**40**	**160**
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
	Total	**2**	**4**	**80**	**10**		**30**	**40**		**40**	**40**
Formation of Farm Science Club	Formation of Farm Science Club	2	7	280	5	-	15	20		20	40
	Total	**2**	**7**	**280**	**5**		**15**	**20**		**20**	**40**
Household Kitchen Gardening	Development of nutritional garden for gainful employment	2	5	200	5	-	15	-	20	20	40
	Total	**2**	**5**	**200**	**5**	**-**	**15**	**-**	**20**	**20**	**40**
Designing & Development of	Preparation of low cost balanced diet for mother	1	2	40	5	-	15		20	20	20

low cost diet	& children										
	Total	**1**	**2**	**40**	**5**		**15**		**20**	**20**	**20**
Gender mainstreaming through SHGs	Fundamental of SHG & importance for women employment	2	2	80	5	-	15		20	20	40
	Total	**2**	**2**	**80**	**5**	**-**	**15**	**-**	**20**	**20**	**40**
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
	Total	**9**	**4**	**360**	**10**		**30**		**40**	**40**	**160**
Value addition	Mango & Water melon squace	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
	Total	**5**	**24**	**540**	**20**	**-**	**60**		**80**	**80**	**100**
Rural Craft	Candle making	1	2	40	5	-	15		20	20	20
	Tie & dye Batik Painting	2	7	280	5	-	15		20	20	40
	Total	**3**	**9**	**320**	**10**	**-**	**30**	**-**	**40**	**40**	**60**
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
	Total	**4**	**12**	**480**	**10**	**-**	**30**		**40**	**40**	**80**
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
	Total	**4**	**4**	**160**	**10**	**-**	**30**		**40**	**40**	**80**
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
	Total	**6**	**7**	**280**	**15**		**45**		**60**	**60**	**120**
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
	Total	**6**	**15**	**600**	**15**		**45**	**60**		**60**	**120**
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

	Total	11	16	**560**	35	-	105	140	-	140	**240**
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
	Total	**12**	**14**	**480**	**35**		**105**	**140**		**140**	**240**
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
	Total	**4**	**8**	**160**	**20**	**-**	**60**	**80**	**-**	**80**	**80**
Dairy Management	Management of Bovines for hygienic & cleam 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
	Total	**11**	**16**	**440**	**40**	**-**	**120**	**160**	**-**	**160**	**240**
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 Degnala disease in Cattle	1	2	40	5	-	15	20		20	20
	Management of Ectoparasites in Demons tic animals	1	2	40	5	-	15	20		20	20
	Total	**6**	**8**	**240**	**20**	**-**	**60**	**80**	**-**	**80**	**120**
Disease Management in Goat	Vaccination of Goat for different infectious diseases	1	2	40	5	-	15	20		20	20
	Prevention & management of Diarrhoea in Goats	1	2	40	5	-	15	20		20	20
	Total	**2**	**4**	**80**	**10**	**-**	**30**	**40**		**40**	**40**
Disease	Vaccination of Broiler	2	2	80	5	-	15	20		20	40

Management in Poultry	for different infectious diseases										
	Management of Feed borne fungal Disease in poultry	1	2	40	5	-	15	20		20	20
	Total	**3**	**4**	**120**	**10**	**-**	**30**	**40**	**-**	**40**	**60**
Goatary 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
	Total	**3**	**4**	**120**	**10**		**30**	**40**		**40**	**60**
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 & Production	2	2	80	5	-	15	20		20	40
	Effect of balance feeding in milch Animals	2	2	80	5	-	15	20		20	40
	Total	**6**	**6**	**240**	**15**	**-**	**45**	**60**		**60**	**120**
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
	Total	**5**	**6**	**200**	**15**	**-**	**45**	**60**		**60**	**100**
	Grand Total A.	**233**	**404**	**13220**	**745**		**2235**	**2620**	**360**	**2980**	**4750**

B. Rural Youths

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	2	5	200	5	-	15	20		20	40
	Seed Production of Gram	2	5	200	5	-	15	20		20	40
	Seed Production of Lentil HUL-57	2	5	200	5	-	15	20		20	40
	Seed Production of Potato	1	5	100	5	-	15	20		20	20
	Seed production of Late sown Wheat cv. HD 2643	2	5	200	5	-	15	20		20	40
	Total	**9**	**25**	**900**	**25**		**75**	**100**		**100**	**180**
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
	Total	**3**	**10**	**300**	**10**	**-**	**30**	**40**		**40**	**60**
Integrated Farming	Scientific Cultivation techniques of Marigold	1	5	100	5	-	15	20		20	20
	Total	**1**	**5**	**100**	**5**		**15**	**20**		**20**	**20**
Commercial Fruit Cultivation	Scientific cultivation practices of Mango	1	5	100	5	-	15	20		20	

	Total	**1**	**5**	**100**	**5**	**-**	**15**	**20**		**20**	**20**
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
	Total	**3**	**9**	**180**	**15**		**45**		**60**	**60**	**60**
Tailoring & Stitching	Tailoring	1	90	2700	5	-	25		30	30	30
	Total	**1**	**90**	**2700**	**5**	**-**	**25**		**30**	**30**	**30**
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
	Total	**3**	**22**	**580**	**10**		**30**		**40**	**40**	**60**
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
	Total	**4**	**30**	**1200**	**10**	**-**	**30**	**40**		**40**	**80**
	Grand Total B.	**25**	**196**	**6060**	**85**		**265**	**220**	**130**	**350**	**510**

C. Extension Functionaries

Thematic Area*	**Title**	**Total No Of Course**	**Duration**	**Total Trainee Days**	**No. of participants**			**Total**			**G.T.**
					SC	**ST**	**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
	Total	**7**	**14**	**280**	**35**		**105**	**140**		**140**	**140**
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
	Total	**4**	**8**	**160**	**20**		**60**	**80**		**80**	**80**
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	2	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
	Total C.	**24**	**44**	**960**	**110**	**-**	**330**	**440**		**440**	**480**

(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
	Total	**8**	**26**	**660**	**30**	**-**	**90**	**100**	**20**	**120**	**160**

(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	Scientific layout for	1	2	40	5	-	15	20		20	20

Fruit Cultivation	developing new Guava orchard										
Garden Management	Mali Training	1	180	4500	5	-	15	20		20	20
Rural Craft	Beautician & Parlor	1	180	3600	5	-	15		20	20	20
	Total	**4**	**364**	**8180**	**20**	**-**	**60**	**60**	**20**	**80**	**80**

1 A.-Frontline Demonstration

Sl. No	Season	Crop	Variety/Component	No. of demonstration	Area (ha)
1	Kharif	Paddy	R Sweta	25	10.0
2		Paddy	DSR of cv BPT 5204 with ZT Drill	25	10.0
3		Maize	DHM-117	25	10.0
4	Rabi	Wheat	HW-2045	15	5.0
5		Wheat	Weed control	30	6.0
6		Lentil	HUL-57	15	5.0
7		Lentil	Cuscuta control	50	10.0
8		Gram	Sulfur	15	5.0
9		Mustard	Sulfur	15	5.0
10		Tomato	Boron & Sulfur application	20	3.0
			Grand Total	235	69.0

2 B. Seed and planting material production

Seed		Planting material	
Crop	**Area (ha)**	**Crop**	**Area**
Paddy	50		
Wheat	75		
Lentil	80		
Gram	40		
Sugar Cane	20		

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	10	
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 farmers
1	Cropping System	Evaluation of Suitable Wheat cultivar & Date of sowing in Rice – Wheat Cropping system	T. Opt. 1– Farmers Practice i.e. cultivation in late Novembre T. Opt. 2– Sowing of wheat on 1st November T. Opt 3– Sowing of wheat on 7st November T. Opt 4– Sowing of wheat on 15st November Three cultivars.HD2733,HD2824,HD2967 will be used in T. Opt. 2– T. Opt 4	30
2	Cropping System		T. Opt. 1– T. Opt. 2– Rajendra Hybrid Maize-2	20
3	Crop Produc -tion		T.Opt.1– ( )T. Opt 2–	8
4	IPM		T.Opt.1- KT.Opt.2– 1 Kg/haT.Opt.3–	8
5	IPM	Biological Control of termites in Kharif Maize	T.Opt.1-Soil application of Chlorpyriphosh 20EC@ 3LtT. Opt. 2– Soil application of Bauharia basiana @5	20
6	IDM	molecule for Sheath Blight of Paddy	T. Opt. 1– Farmers Practice i.e.Spray of Hexaconazole 5 EC (three spray) T. Opt. 2– Spray of Thifluzamide 24 %SC (three spray)	20
7	Dairy Manage ment	Effect of balance feeding in prevention of Degnala disease in Buffaloes.	T.Opt.1-Grazing of animals and feeding of farm by-products (Farmers Practice). T.Opt.2–Tech option 1 + feeding of green fodder to animals along with clean dry straw fodder (3:1 ratio) T.Opt.3–Tech. option-2 + Balance concentrate feed (@ 1kg / 2.5 kg milk) fortified with mineral mixture.	12
8	Dairy Manage ment	Effect of pre-partum administration of antioxidants on performance of peri-parturient cows in their transition stage.	T.Opt.1- No any treatment to advance pregnant cows. (Farmers Practice). T. Opt.2– 1000 I.U. of vit. E twice a week for three weeks & 30mg of Selenium (i/m) once to advance pregnant cows. T.Opt.3–Tech option -2 + 30 lac I.U. vit. A (i/m) once a week for 3 weeks to advance pregnant cows.	10

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) Commercial Floriculture
   d) Commercial Vermi Composting
   e) Commercial cultivation of Turmeric

D. Scientific Advisory Committee

Date of SAC meeting held during 2014-15	Proposed date
	23 May 2014

E. Soil and water testing

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

F. Staff position (As on 31-03-2014)

Sl. No.	Sanctioned	In position	Name	If vacant, since when
1	Programme Co-ordinator	02.06.2001	Dr. Pravin Kumar Dwivedi	
2	SMS (Hort.)	09.10.	Sri Nilesh Kumar	
3	SMS (H. Sc.)	11.08.2001	Smt. Supriya Verma	
4	SMS (PP)	14.01.2013	Sri hashi Bhushan Kr.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	
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 Poultry Unit	Complete			
Distillation Unit for Medicinal & Aromatic plant	Complete			
Vermi Compost Unit	Complete			

H. Fund requirement and expenditure (Rs.)

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

ABSTRACT OF TRAINING PROGRAMMES TO BE CONDUCTED (April, 2014-March 2015)

Sl. No.	Discipline	No. of Courses	Duration (Days)	Total Trainee Days	No. of Participants		Grand Total
					Men	Women	
A.	**FOR PRACTICING FARMERS**						
1.	**Crop Production**						
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
	Total	**55**	**118**	**3860**	**720**	**-**	**1100**

2.	**Vegetable Production**						
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
	Total	**29**	**47**	**1240**	**460**	**-**	**580**
	Fruit Production						
a)	Layout and management of Orchards	4	10	400	40	-	80
b)	Cultivation of Fruits	6	6	240	60	-	120
c)	Rejuvenation of old orchards						
	Total						
	Ornamental plants	1	2	40	20	-	20
	Plantation crops	1	2	40	20	-	20
	Tuber crops	1	3	60	20	-	20
	Medicinal & Aromatic Plants	1	2	40	20	-	20
	P.H.T.& Value Addition.	1	2	40	20	-	20
	Total	**15**	**27**	**860**	**200**	**-**	**300**
	Soil Health & Fertility Management						
	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
	Total	**29**	**35**	**1280**	**320**	**-**	**580**
3.	**Agriculture Extension**						
a)	Formation of Farm Science Club	2	7	280	20	-	40
4.	**Home Science**						
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
	Total	**34**	**69**	**2460**	**-**	**360**	**700**
5.	**Agriculture Engineering**						
a)	Use of Z.T. in different situation	6	15	600	60	-	120
6.	**Plant Protection**						
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
	Total	**27**	**38**	**1200**	**360**	**-**	**560**
7.	**Animal Husbandry &Veterinary**						
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)	Goatary Management	3	4	120	40	-	60
f)	Feed Management	6	6	240	60	-	120
g)	Poultry	5	6	200	60	-	100
	Total	**36**	**48**	**1440**	**480**	**-**	**740**
	Grand Total – A	**233**	**404**	**13220**	**2620**	**360**	**4720**
B.	**FOR RURAL YOUTHS**						
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
	Grand Total B	**25**	**196**	**6060**	**220**	**130**	**510**
C.	**EXTENSION FUNCTIONARIES**						
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
	GRAND Total C	**24**	**44**	**960**	**480**	**-**	**520**
	GRAND TOTAL (A+ B+ C)	**282**	**644**	**20240**	**3340**	**490**	**5750**

ABSTRACT OF TRAINING PROGRAMMES TO BE CONDUCTED (April 2014 – March 2015)

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
	Grand Total (A+B+C)	282	644	20240	3340	490	5750

Abstract of Estimated Expenditure under Training

Sl. No	Clientele	Total no of Training Days	Estimated Expenditure on meal @ Rs 40/trainee	Total no of Trainee	Literature/Training material/Pen, Pad, Folder@ Rs 75/trainee	Gross Total Rs
1	Practicing Farmer	15% of total i.e. 1983	79320	15% of total i.e. 708	53100	132240
2	Rural Youth	25% of total i.e. 1515	60600	510	38250	98850
3	Extension Functionaries	960	38400	520	39000	77400
	Grand Total	**4458**	**178320**	**1738**	**130350**	**308670**

Abstract of Estimated Expenditure under FLD

Sl. No.	Season	Crop	Variety/ Technology	Area (ha.)	Rate of Seed / Chemical	Total Quantity	Rate	Total Cost	No. of Beneficiaries
1	Kharif 2014	Paddy	R. Sweta	10.0	30.00 Kg	300 Kg	28.00	8400.00	25
2	-Do-	Maize		10.0	20.00 Kg	200 Kg	120.00	24000.00	25
3	-Do-	Paddy with ZT	BPT-5204	10.00	30.00 Kg	300 Kg	28.00	8400.00	25
4*	Rabi	Wheat Late Sown	HW-2045	5.00	120.00 Kg	600 Kg	30.00	18000.00	15
5	-Do-	Lentil	HUL-57	5.00	50 Kg	250 Kg	80.00	20000.00	15
6	Rabi 2014	Lentil	Weed Control	10.00	2.5 Lt/ha.	25 Lt.	350.00	8750.00	50
7	-Do-	Gram	S. Nutrition	5.00	20 Kg/ha.	100 Kg	50.00	5000.00	15
8	-Do-	Mustard	S. Nutrition	5.00	20 Kg/ha.	100 Kg	50.00	5000.00	15
9	-Do-	Tomato	S. Nutrition	3.00	20 Kg/ha	60 Kg	50.00	3000.00	20
			B. Nutrition		8 Kg/ha	24Kg	120.00	2880.00	
10*	-Do-	Wheat	Weed Control	6.00	35 gram/ha.	210 gram	550.00 (14 gram)	8250.00	30
				69.00			Total	111680.00	235

*For each FLD fixed Expenditure

1	Soil Testing for 235 + 40 = 275	27500.00
2	Field Day 10 @ Rs. 1000.00	10000.00
3	Banner 10 @ Rs. 400.00	4000.00
	Total	**41500.00**
4	Input Cost	111680.00

G. Total 153180.00

Abstract of Estimated Expenditure under OFT

Sl No	Crop and situation	Area (ha)	Participants	Rate and total requirement of Seed/ Chemical	Cost of Seed/ Chemical/ (Rs.) /Kg/Lt	Total Cost (Rs.)	Gross Total (Rs.)
1	Evaluation of Suitable Wheat cultivar & Date of sowing in Rice – Wheat Cropping system	6.0	30	@120 Kg/ha-720 Kg	30.00	21600.00	
	Soil testing		30		Rs.100 each	3000.00	
	Banner				Rs.400 each	400.00	
	Field Day		One		Rs.1000 each	1000.00	26000.00
2		5.0	20	Seed Rate @20 Kg-100 Kg	@150 Kg-100 Kg	15000.00	
	Soil testing		20		Rs.100 each	2000.00	
	Banner				Rs.400 each	400.00	
	Field Day		One		Rs.1000 each	1000.00	18400.00
3		1.6	8	Seed @0.5Kg/ha-Total need 0.5 K	Rs.7500.00/ Kg	3750.00	
	Soil testing		8		Rs.100 each	800.00	
	Banner				Rs.400 each	400.00	
	Field Day		One		Rs.1000 each	1000.00	5950.00
4		2.4	8	@1Kg1.8 Kg @2-3.6Kg	Metiram 55 % +@Rs.2700/Kg @Rs.550/Kg	4890.00 +1980.00	
	Soil testing		8		Rs100 each	800.00	
	Banner				Rs.400 each	400.00	
	Field Day		One		Rs.1000 each	1000.00	9040.00
5	Biological Control of termites in Kharif Maize	5.0	20	Bauharia basiana@ 5 Kg/ha-12.5 Kg Chlorpyriphos 20EC@-3 Lt-7.5 Lt/ha	Bauharia basiana@ Rs. 400.00/Kg Chlorpyriphos@ Rs.350/lt	50.00 + 2625.00	
	Banner				Rs.400 each	400.00	
	Field Day		One		Rs.1000 each	1000.00	9025.00
6	molecule for Stem Rot of Paddy	5.0	20	Hexaconazole 5 EC @1.25Lt/ha Total-3.250 Lt	130/250 ml	1690.00	7605.00
				Thifluzamide 24 SC@ 375 ml/ha Total-1.950 Lt	455/150 ml	5915	
	Banner				Rs.400 each	400.00	
	Field Day		One		Rs.1000 each	1000.00	9005.00
7	Effect of balance feeding in prevention of Degnala disease in Buffaloes		12	Mineral mixture @50gm/for 150 days = 7.5 Kg Total-12X7.5= 90 Kg	Rs.70/Kg	6300.00	

	Banner				Rs.400 each	400.00	
	Field Day		One		Rs.1000 each	1000.00	7700.00
8	Effect of pre-partum administration of antioxidants on performance of peri-parturient cows in their transition stage.		10	1000 I.U. of vit. E twice a week for three weeks & 30mg of Selenium ++ 30 lac I.U. vit. A	Rs.985/ dose	9850.00	
	Banner				Rs.400 each	400.00	
	Field Day		One		Rs.1000 each	1000.00	11250.00
	Grand Total						96350.00

OFT 2014-15

1.

01.	**Title of On-Farm Trail**		**:**	Varietal Cultivation of Wheat Cultivars for different date of sowing
02.	**Micro-irrigation system**		**:**	Irrigated
03.	**Problem identified**		**:**	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.	**Hypothesis**		**:**	Timely sowing that is in 1st weak of Nov. Provides more cold days for better vegetative growth of Wheat which may result in better productivity
05.	**Source of technology**		**:**	CISA
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 1st Nov. Sowing of Wheat on 7th Nov. Sowing of Wheat on 15th 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

Input Cost

Total Area	-	6 ha.
No. of Replication/Farmers		30
Season		Rabi – 2014-15
Seed		720 Kg.
Cost @ 30/Kg.		21600.00
Soil test		3000.00
Banner		400.00
Field Day		1000.00
	Total	26720

(Rs. - Twenty Six thousand Seven Hundred Twenty only)

2.

01.	**Title of On-Farm Trail**		**:**	Marital evaluation of Kharif Maize for high yield
02.	**Micro-irrigation system**		**:**	Irrigated Upland
03.	**Problem identified**		**:**	The local cultivars with poor genetic makeup are very low yielder thus the area under Maize fastly where as changing condition Maize is the future crop
04.	**Hypothesis**		**:**	Newly developed verities Rajendra Makka-2 may be a good choice for Kharif Maize and it my be replace the traditional low yielder local cultivars
05.	**Source of technology**		**:**	RAU, PUSA
06.	Technical intervention		:	High yielding Hybrid Maize seed
07.	Treatment details	Tech. option -1 Tech. option -2 Tech. option -3	: :	Farmers practice (i.e. cultivation of local cultivars) Cultivation of Rajendra Makka
08.	Replication		:	20 (0.25 ha. / farmers)
09.	Performance indicators	Technical observation	:	
		Economic indicators	:	Net return BC ratio
		Farmers feedback	:	Crop growth yied.

Input Cost

Total Area -	5.0 ha.
No. of Replication/Farmers	20
Season	Kharif – 2014-15
Seed Requirement	20 Kg./ha
Total Seed requirement	100 Kg.
Rate of Seed –Rs. 150.00	15000.00
Banner	400.00
Soil test 20 @ Rs. 100.00	2000.00
Field Day @ Rs 1000.00	1000.00
Total	18400.00

(Eighteen Thousand Four Hundred only)

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3.

01.	**Title of On-Farm Trail**		**:**	Evaluation of short duration Cauliflower Cultivars Season – Early Rabi
02.	**Micro-irrigation system**		**:**	Irrigated
03.	**Problem identified**		**:**	Cauliflower is one of the important short duration cash fetching Vegetable crop in Upland area with a coverage of 800 ha. Having av. Productivity 150 Qt./ha.. The traditional cultivars are low yielder due to small curd size with poor curd . The curd colour is less white resulting in poor market price.
04.	**Hypothesis**		**:**	As observed under micro climatic condition of KVK under crop cafeteria a newly released short duration variety Sigra 55 days duration with bright white colour compact curd covered with small leaflets
05.	**Source of technology**		**:**	K.V.K., Bhojpur
06.	Technical intervention		:	Variety
07.	Treatment details	Tech. option -1 Tech. option -2 Tech. option -3	: :	Farmers practice (Early Kharif) Cultivation of Sigra
08.	Replication		:	8 (Area 0.2 ha./farmers)
09.	Performance indicators	Technical observation	:	Curd cut & Diamatic Yield
		Economic indicators	:	Net return B. C. Ration
		Farmers feedback	:	Quality of Curd & Economic return

Input Cost

Seed 500 g.@Rs. 7500 Kg.	3750.00
Soil Analysis	800.00
Banner	400.00
Field Day (including literature, breakfast, others)	1000.00
Total	5950.00

(Five Thousand Nine hundred fifty only)

4.

01.	**Title of On-Farm Trail**		**:**	Evaluation of Chemical control in Bottle Gourd
02.	**Micro-irrigation system**		**:**	Irrigated Upland
03.	**Problem identified**		**:**	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 lakhs/ha.) but since last 3-4 years there is drastic reduction in yield upto 40% was observed due to wilt infestation This has cevearly climated the economic return of this highly vemu crop
04.	**Hypothesis**		**:**	The traditional molecule foliar application is partially controlling the disease. A new broad spectrum fungicide having the combination of Pyrochlostrabin 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.	**Source of technology**		**:**	K.V.K., Bhojpur
06.	Technical intervention		:	Fungicide
07.	Treatment details	Tech. option -1 Tech. option -2 Tech. option -3	: :	Farmers practice two spray of Mancozeb+Carbendazime @2 Kg./ha. Two spray Pyrochlostrabin 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

Input Cost

Fungicide : 1. Cardendazim + Maucozb 3.6 Kg @ Rs. 550.00		1980.00
2. Metiram + Pyrochlostrifin 1.8 Kg. @ Rs. 2700.00/ Kg		4860.00
3. Soil Analysies Rs.		800.00
4. Banner		400.00
5. Field Day		1000.00
	Total	9040.00

(Rs.Nine Thousand Forty only)

5.

01.	**Title of On-Farm Trail**		**:**	Evaluation of Molecules for effective Sheath Blight Control in Paddy
02.	**Micro-irrigation system**		**:**	Irrigated
03.	**Problem identified**		**:**	Rice crop in general is suffering a lot due to Sheath Blight infection caused by Rhizotania Solani now this dease is appearing in epidemic from in the initial stage of flowering & thus result in heavy lass in rice production
04.	**Hypothesis**		**:**	As found in crop cabetenia of KVK Bhojpur that the molecules Thifluzinide 24% SC was significantely superior over the recommended molecules Hexaconazole 5 EC Realising the results during 2013-14 an oft was conducted and resulted were highly incouraging for better assisment it going to be repeated under OFT programme during this year that is 2014-15
05.	**Source of technology**		**:**	KVK, Bhojpur
06.	Technical intervention		:	Spraying of Thifluzamide
07.	Treatment details	Tech. option -1 Tech. option -2 Tech. option -3	: :	Spraying of Hexaconazole 5 EC @ 1.25 lit / Ha. 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

Input Cost
Total area - 5.00 ha.
No. Of replication/farmers - 20
Season - Kharif 2014-15
Total Hexaconazole sec Required - 3.25 liter
Cost – Rs. 1690.00
Total Thifluzanide 24 SC - 1.950 lt.
Cost – 5915.00
Banner - 400.00
Field Day – 1000.00
Total -9005.00
(Nine Thousand Five only)

6.

01.	**Title of On-Farm Trail**		**:**	Effect of Bauharia bassiana on Termite Control Maize
02.	**Micro-irrigation system**		**:**	Irrigated
03.	**Problem identified**		**:**	Under changing climatic condition Maize is reversing as and alternative cereal crop in upland condition. But the Maize growing areas of Koilwer. Bihia. Shahpur ,are highly effected due to terrorist problem and at item they clam age the crop up to significant economic loss.
04.	**Hypothesis**		**:**	Application of Bauharia bassiana are may course infection in Termite colony and as a result drastic reduction in thir population .
05.	**Source of technology**		**:**	BHU Faculty of Agriculture Varanasi.
06.	Technical intervention		:	Select application of Bauharia bassiana by the time of Land Preparation
07.	Treatment details	Tech. option -1 Tech. option -2 Tech. option -3	: :	Application of Chlorpyriphos 20 EC @ 3 lt./ha. Application of 5 Kg. Bauharia bassiana culture / ha.
08.	Replication		:	20
09.	Performance indicators	Technical observation	:	1. Appearance of Termite 2. Increase in Maize productivity
		Economic indicators	:	Net return BC Ratio
		Farmers feedback	:	Crop Health cost of culture

Input Cost

Total Area -	5 ha.
No. of Replication/Farmers	20
Season	Kharif – 2014-15
Seed	12.5 Kg.
Cost	5000.00
Total Clorophyriphos 20%Ec 7.5 liter Cost -	2625.00
Banner	400.00
Field Day	1000.00
Total	9025.00

(Rs. - Nine Thousand Twenty five only)

7.

01.	**Title of On-Farm Trail**		**:**	Effect of balance feeding with mineral mixture and clean dry straw in prevention of Degnala disease in Buffaloes.
02.	**Micro-irrigation system**		**:**	Disease management
03.	**Problem identified**		**:**	The cattle in general and buffalo in particular are prone to Degnala disease in Bhojpur district particularly in Canal irrigated areas where buffaloes are reared in more numbers. But due to lack of awareness among farmers about proper feeding, and feeding of wet straw fodder milch animals frequently get symptoms of the Degnala disease.
04.	**Hypothesis**		**:**	Balance feeding with regular intake of mineral mixture along with careful feeding of dry straw fodder may reduce the occurrence of Degnala disease in Dairy animals.
05.	**Source of technology**		**:**	PAU (Ludhiana)
06.	**Technical intervention**		**:**	Feeding of clean dry straw fodder as well as green fodder and balanced concentrate feed along with mineral mixture to the cattle and buffalo .
07.	**Treatment details**	**Tech. option -1**	**:**	Grazing of animals and feeding of farm by-products (Farmers Practice).
		Tech. option -2	**:**	Tech option 1 + feeding of green fodder to animals along with clean dry straw fodder (3:1 ratio)
		Tech. option -3	**:**	Tech. option-2 + Balance concentrate feed (@ 1kg / 2.5 kg milk) fortified with mineral mixture.
08.	**Replication**		**:**	12
09.	**Performance indicators**	**Technical observation**	**:**	a) Occurrence of Degnala disease b) increase in milk production(per day) c) overall health (Body coat texture, mucous membrane colour etc.)
		Economic indicators	**:**	a) Net return b) B/C Ratio
		Farmers feedback	**:**	a) Health of animals b) cost of feed,

Mineral Mixture @ 50 gr./day/animal for 150 days
Total Amount of Mineral Mixture = 50 gram x 150 days x 12 (repetition) = 90 kg
Total Cost @ Rs. 70/kg = 70 x 90 = Rs. 6300.00

8.

01.	**Title of On-Farm Trail**		**:**	Effect of pre-partum administration of antioxidants on performance of peri-parturient cows in their transition stage.
02.	**Micro-irrigation system**		**:**	Disease management
03.	**Problem identified**		**:**	Retention of placenta ,mastitis ,metritis after parturition.
04.	**Hypothesis**		**:**	It has been indicated that β-carotene (Vit A)along with Vit E/Se supplementation may enhance immunity and reduce the incidence of retained placenta and metritis in dairy cows. .
05.	**Source of technology**		**:**	IVRI, Bareilly (UP)
06.	**Technical intervention**		**:**	Supplementation of vitamin E and/or Se has reduced the incidence of mastitis and retained placenta, and reduced duration of clinical symptoms of mastitis. It has been indicated that β- carotene (Vit A) supplementation may enhance immunity and reduce the incidence of retained placenta and metritis in dairy cows.
07.	**Treatment details**	**Tech. option -1** **Tech. option -2** **Tech. option -3**	**:** **:** **:**	No any treatment to advance pregnant cows. (Farmers Practice). 1000 I.U. of vit. E twice a week for three weeks & 30mg of Selenium (i/m) once to advance pregnant cows. Tech option -2 + 30 lac I.U. vit. A (i/m) once a week for 3 weeks to advance pregnant cows.
08.	**Replication**		**:**	10
09.	**Performance indicators**	**Technical observation**	**:**	a) Retention of placenta b) Metritis c) mastitis,
		Economic indicators	**:**	a) Net return b) B/C Ratio
		Farmers feedback	**:**	a) Health of animals b) cost of medicne,

Cost of 1000 Iu of Vit E @ Rs. 60.00 (12 doses) = 720.00
Cost Se @ 50 (2 dose) = Rs. 100.00
Cost of 30 lac IU vit A @ Rs. 55 (3 doses) = 165.00
Cost per replication = Rs. 985.00
Total cost of 10 Replication – Rs. 985 x 10 = 9850.00