ACTION PLAN

(April 2012 - March 2013)

भाकृअनुप
ICAR

PRESENTED AT ZONAL WORKSHOP OF KVKs of ZONE - II
HELD AT
BIDHAN CHANDRA KRISHI VISWAVIDYALAY, KALYANI
(WEST BENGAL)
[16TH - 18TH April 2012]

SONE COMMAND AREA DEVELOPMENT AGENCY
SCADA

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		434
Power Tiller		60
Sprayer & duster		676
Ripper		6
Rotavetor		5
Thrasher		125

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):

Plough Animals	:	87852	
Dairy Animals		Total	Milking
Cow	:	157479	4279
Buffalo	:	206945	66068
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 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 expected to improve.
- The district has been identified under the Rastriya Sam Vikas Yojana and it is expected that some of the infrastructural bottlenecks, in terms of rural connectivity, energisation etc, would be bridged during the year 2004-05 and 2006-07

NEGATIVES FACTORS

- Bhojpur is a drought prone district.
- The rural connectivity and rural infrastructure is very poor.
- A significant portion of land is rain fed.
- The condition of electric supply is erratic.

THRUST AREAS:

Thrust area identified through PRA survey and other methods.

A. Crop Production- Promotion of seed village programme.

Promotion of Organic Food

B. Horticulture - Promotion of Fruit cultivation for better Economic returns

C. Plant Protection- Promotion of Biological control & IPM

D. Animal husbandry- Promotion of balanced nutrition for dairy development.

E. Home Science- Preservation of fruit and vegetables.

Action plan 2012-13

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 2012 to March 2013)

A. Farmers and Farmwomen

Thematic Area*	Title	Total No Of Course	Duration	No. of participants			Total			G.T.
				SC	ST	Others	M	F	T	
Weed Management	Weed control in rice nursery	4	2	5	-	15	20			80
	Weed control in DSR	2	2	5	-	15	20			40
	Weed control in transplanted rice	4	2	5	-	15	20			80
	Phalaris minor control in wheat.	4	2	5	-	15	20			80
	Weed control in Lentil	4	2	5	-	15	20			80
	Total	**18**	**10**	**25**		**75**	**100**			**360**
Resource CT	Direct seeding of rice with ZT.	2	2	5	-	15	20			40
	Direct seeding of wheat with ZT.	2	2	5	-	15	20			80
	Direct seeding of Lentil with ZT.	2	2	5	-	15	20			40
	Direct seeding of Gram with ZT.	2	2	5	-	15	20			40
	Total	**8**	**8**	**20**		**60**	**60**			**200**
Cropping System	Inter cropping in Orchards with EFY	2	4	5	-	15	20			40
	Inter cropping Red Gram with Sorghum	2	4	5	-	15	20			40
	Inter cropping in Sugar cane	4	4	5	-	15	20			80
	Cultivation of Summer green gram in summer Fallow	2	2	5	-	15	20			40
	Total	**10**	**18**	**25**		**75**	**100**			**200**
Water Management	Water management in paddy nursery.	4	4	5	-	15	20			80
	Water management in SRI paddy.	2	5	5	-	15	20			40
	Use of sprinkler	2	5	5	-	15	20			40
	Alternate row system of irrigation in Vegetables	4	5	5	-	15	20			80
	Ring system of irrigation in Cucurbits	2	5	5	-	15	20			40
	Total	**14**	**24**	**25**		**75**	**100**			**280**
Seed Production	Seed production of H.Y.V. Rajendra Mahsuri-1	2	7	5	-	15	20			40
	Seed production of H.Y.V. Swarna Mahsuri (MTU-7029)	2	7	5	-	15	20			40
	Seed production of Gram P-256	2	7	5	-	15	20			40
	Seed production of timely sown H.Y.V. of Wheat HD-2733	2	7	5	-	15	20			40
	Seed production of late condition H.Y.V. of Wheat HD-2643	2	7	5	-	15	20			40
	Sugar cane seed production	2	7	5	-	15	20			40

	Total	**12**	**42**	**30**		**90**	**120**			**240**
Nursery Management	Preparation of raised bed nursery of rice.	2	4	5	-	15	20			40
	Preparation of rice nursery .for SRI	5	4	5	-	15	20			100
	Total	**7**	**8**	**10**		**30**	**40**			**140**
Fodder production	Fodder production of Bar seem	2	4	5	-	15	20			40
	Fodder production of Hybrid Napier	2	4	5	-	15	20			40
	Total	**4**	**8**	**10**		**30**	**40**			**80**
Production of Organic Inputs	Brown manuring in DSR	2	5	5	-	15	20			40
	Brown manuring in transplanted Rice	4	5	5	-	15	20			80
	Recycling of Agri. Waste as Vermi compost.	6	7	5	-	15	20			120
	Total	**12**	**38**	**15**		**45**	**60**			**240**
Production of low Volume & high value crops	Scientific cultivation of early Kharif cucurbits	2	5	2	-	18	20			40
	Scientific package of practices of hybrid Brinjal	2	5	2	-	18	20			40
	Scientific cultivation of early Kharif Okra	2	5	2	-	18	20			40
	Scientific cultivation of early Cauliflower	2	4	2	-	18	20			40
	Scientific cultivation of early tomato	2	4	2	-	18	20			40
	Scientific cultivation of early Potato	2	4	2	-	18	20			40
	Scientific package and practices of Vegetable pea	2	4	2	-	18	20			40
	Scientific cultivation of Cabbage	2	4	2	-	18	20			40
	Scientific cultivation of early summer Okra	2	4	2	-	18	20			40
	Scientific cultivation of early summer cucurbits	2	4	2	-	18	20			40
	Total	**18**	**38**	**18**		**162**	**180**			**360**
Nursery Raising	Raising healthy seedling of Kharif Brinjal& Chili	2	3	2	-	18	20			40
	Raising healthy seedling of early Cauliflower & Tomato	2	3	2	-	18	20			40
	Scientific nursery management for Onion	2	3	2	-	18	20			40
	Total	**6**	**9**	**6**		**54**	**60**			**120**
Seed Production	Scientific seed production techniques of Potato	2	5	2	-	18	20			40
	Scientific seed production techniques of Vegetable Pea	2	5	2	-	18	20			40
	Scientific seed production techniques of Okra	2	5	2	-	18	20			40
	Scientific seed production techniques of Cowpea	2	5	2	-	18	20			40
	Total	**8**	**20**	**8**		**72**	**80**			**160**

Weed Control	Weed Control by chemical means in Okra	2	2	2	-	18	20			40
	Control of Parthenium spp. By Chemical means in Brinjal plot	2	2	2	-	18	20			40
	Weed Control in Onion by chemical means	2	2	2	-	18	20			40
	Total	**6**	**6**	**6**		**54**	**60**			**120**
Layout and management of Orchards	Scientific lay out for developing new mango orchard	2	7	2	-	18	20			40
	Scientific lay out for developing new Guava orchard	4	5	2	-	18	20			80
	Total	**6**	**12**	**4**		**36**	**40**			**120**
Cultivation of Fruits	Band placement of manures & fertilizer in old mango orchard	2	3	2	-	18	20			40
	Scientific package & practices for mango orchard	2	4	2	-	18	20			40
	Scientific package & practices for Guava Orchard	2	4	2	-	18	20			40
	Scientific Papaya cultivation	2	4	2	-	18	20			40
	Healthy seedling raising of Papaya	2	2	2	-	18	20			40
	Total	**10**	**17**	**10**		**90**	**100**			**200**
Rejuvenation of old Orchards	Management of old Mango orchard after harvest	2	3	2	-	18	20			40
	Coupe management in Guava Orchard	2	3	2	-	18	20			40
	Total	**4**	**6**	4		36	40			80
Production and Management technology	Scientific cultivation of marigold	2	4	2	-	18	20			40
	Scientific cultivation of tuberose	2	4	2	-	18	20			40
	Total	**4**	**8**	**4**		**36**	**40**			**80**
Production and Management technology	Scientific Management of tissue culture banana	2	15	2	-	18	20			40
	Total	**2**	**15**	**2**		**18**	**20**			**40**
Tuber Crops Production and Management technology	Cultivation of early potato	2	15	2	-	18	20			40
	Total	**2**	**15**	**2**	**-**	**18**	**20**			**40**
Medicinal & Aromatic Plant Nursery management	Scientific cultivation of Kalmegha	2	5	2	-	18	20			40
	Total	**2**	**5**	**2**	**-**	**18**	**20**			**40**
Post harvest technology and value addition	Packaging & grading of Mango	2	2	2	-	18	20			40

	Packaging & grading of Guava	2	2	2	-	18	20			40
	Total	**4**	**4**	**4**		**36**	**40**			**80**
Soil Health &Fertility Management	P-management in Red Gram	2	2	5	-	15	20			40
	N-management in paddy nursery.	2	2	5	-	15	20			40
	N-management in transplanted Paddy	2	2	5	-	15	20			40
	N- Management in timely sown Wheat	2	2	5	-	15	20			40
	N- Management in late sown Wheat	2	2	5	-	15	20			40
	Total-	**10**	**10**	**25**		**75**	**100**			**200**
Integrated Nutrient Management	Advantages of Vermi compost in Rabi vegetable.	2	2	5	-	15	20			40
	Role of potash in Potato	2	2	5	-	15	20			40
	Importance of Sulpher& Boron in Onion	2	2	5	-	15	20			40
	Nutrient management in Okra	2	5	5	-	15	20			40
	Total-8	**8**	**11**	**20**		**60**	**80**			**40**
Production and use of Organic input	Use of Bio-fertilizer in Paddy	2	2	5	-	15	20		40	
	Use of Bio-fertilizer in Wheat.	2	2	5	-	15	20			40
	Total	**4**	**4**	**10**		**30**	**40**			**80**
Micro nutrient deficiency in Crop	Role of Zn-nutrients in scented Rice	2	2	5	-	15	20			40
	Zn & Boron application in Paddy	2	2	5	-	15	20			40
	Role of Zn-nutrients in Wheat	2	2	5	-	15	20			40
	Role of S & nutrients in Sugar Cane	2	2	5	-	15	20			40
	Total	**8**	**8**	**20**		**60**	**80**			**160**
Soil &Water Testing	Techniques of soil sampling	2	2	5	-	15	20			40
	Techniques of soil sampling	6	2	5	-	15	20			120
	Total	**8**	**4**	**10**		**30**	**40**			**160**
Land Leveling	Land leveling and its importance in Kharif crops production.	2	2	5	-	15	20			40
	Land leveling and its role in crop production.	2	2	5	-	15	20			40
	Total -	**4**	**4**	**10**		**30**	**40**			**80**
Formation of Farm Science Club	Formation of Farm Science Club	2	7	5	-	15	20			**40**
	Total	**2**	**14**	**10**		**30**	**40**			**40**
Household Kitchen Gardening	Development of nutritional garden for gainful employment	2	5	5	-	15	-	20	20	40

	Development of nutritional garden for gainful employment	2	5	5	-	15		20	20	40
	Total	**4**	**10**	**10**		**30**		**40**	**40**	**80**
Designing &Development of low cost diet	Preparation of low cost balanced diet for mother & children	2	2	5	-	15		20	20	40
	Preparation of low cost balanced diet for mother & children	2	2	5	-	15		20	20	40
	Preparation of low cost balanced diet for mother & children	2	2	5	-	15		20	20	40
	Preparation of low cost balanced diet for mother & children	2	2	5	-	15		20	20	40
	Total	**8**	**8**	**20**		**60**		**80**	**80**	**160**
Gender mainstreaming through SHGs	Fundamental of SHG & importance for women employment	4	2	5	-	15		20	20	80
	Total	**4**	**8**	**5**		**15**		**20**	**20**	40
Storage loss technique	Control of godown insect in cereals storage	5	2	5	-	15		20	20	100
	Techniques of insect free pulses storage	4	2	5	-	15		20	20	80
	Total	**9**	**8**	**20**		**60**		**80**	**80**	**180**
Value addition	Mango & water melon squace	2	3	5	-	15		20	20	40
	Guava jelly making	2	3	5	-	15		20	20	40
	Value Added organic farming by SHGs	4	15	5	-	15		20	20	80
	Value added by products is vegetable in SHGs	2	15	5	-	15		20	20	40
	Tomato Preservation	2	3	5	-	15		20	20	40
	Total-	**12**	**39**	**25**		**75**		**100**	**100**	**240**
Rural Craft	Candle making	4	2	5	-	15		20	20	40
	Tie & dye Batik Painting	2	7	5	-	15		20	20	40
	Total	**6**	**9**	**10**		**30**		**40**	**40**	**80**
Income Generation	Goat rearing a good source of income	4	7	5	-	15		20	20	80
	Backyard Poultry farming a good source of income	4	7	5	-	15		20	20	80
	Vegetable production in SHG	4	5	5	-	15		20	20	80
	Total-	**12**	**19**	**20**		**60**		**80**	**80**	**240**
Drudgery reduction	Drudgery reduction through Weeder in Paddy	2	2	5	-	15		20	20	40
	Drudgery reduction through Weedicide in vegetable Production	2	2	5	-	15		20	20	40
	Drudgery reduction by use of maize Sheller	2	2	5	-	15		20	20	40
	Drudgery reduction by use of improved Tech. in parboils rice	2	2	5	-	15		20	20	40
	Use of different Tools machine for dairy management	2	2	5	-	15		20	20	40
	Total	**10**	**10**	**25**		**75**		**100**	**100**	**200**
Women &Child care	Use of pulses & local vegetable in child diet	2	2	5	-	15		20	20	40

	Vaccination and its role in Child Hygiene	2	2	5	-	15		20	20	40
	Preparation of balanced diet for children	2	3	5	-	15		20	20	40
	Total	**6**	**7**	**15**		**45**		**60**	**60**	**120**
Use of Zero Tillage Technology	Use of ZT for DSR	2	5	5	-	15	20			40
	Use of zero tillage seed cum fertilizer drill for Maize, Lentil and Gram.	2	7	5	-	15	20			40
	Use of ridge bed seed drill for sowing vegetables.	2	3	5	-	15	20			40
	Total	**6**	**15**	**15**		**45**	**60**			**120**
Integrated Pest Management	Grass hopper Control in Sugar Cane	2	3	5	-	15	20			40
	Stem borer control in Scented Rice	4	2	5	-	15	20			80
	Control of pest & disease in Paddy	4	3	5	-	15	20			80
	BPH Control in Paddy	4	2	5	-	15	20			80
	IPM in Tomato, Brinjal & Chili	2	7	5	-	15	20			40
	Gram pod borer Control	2	2	5	-	15	20			40
	Aphid management in mustard	2	2	5	-	15	20			40
	Control of mango hopper and powdery mildew in Mango	2	3	5	-	15	20			40
	Biological control of shoot & fruit borer in Brinjal	2	2	5	-	15	20			40
	Thrips Control in Onion	2	2	5	-	15	20			40
	Total	**26**	**28**	**50**		**150**	**200**			**520**
Integrated Disease Management	BLB control in Rice	2	2	5	-	15	20			40
	Wilt control in Red gram	2	2	5	-	15	20			40
	BLB control in Rice	2	2	5	-	15	20			40
	Control of Mango malformation	2	2	5	-	15	20			40
	Wilt Control in Lentil	2	2	5	-	15	20			40
	Control of early & late blight in Potato	2	3	5	-	15	20			40
	YVM disease control in Okra	2	2	5	-	15	20			40
	Total	**14**	**15**	**35**		**105**	**140**			**280**
Seed treatments	Seed treatment in Rice	2	2	5	-	15	20			40
	Seed treatment in Lentil	2	2	5	-	15	20			40
	Seed treatment in Potato	2	2	5	-	15	20			40
	Seed treatment in Wheat	2	2	5	-	15	20			40
	Seed treatment in Vegetables	2	2	5	-	15	20			40
	Total	**10**	**10**	**25**		**75**	**100**			**200**

Rural Youths

Thematic Area*	Title	Total No Of Course	Duration	No. of participants			Total			
				SC	ST	Others	M	F	T	G.T
Seed Production	Seed Production of rice Cv- R Sweta	2	5	5	-	15	20			40
	Seed production techniques in Okra	2	5	5	-	15	20			40
	Quality seed production of sugarcane.	2	7	5	-	15	20			40
	Seed Production of Gram cv P-256	2	5	5	-	15	20			40
	Seed Production of Lentil Cv- HUL-57	2	5	5	-	15	20			40
	Total	**10**	**27**	**25**		**75**	**100**			**200**
Integrated Farming	Scientific Plantation techniques of Marigold with Papaya	2	5	2	-	18	20			40
	Intercropping of Marigold with Cole & tomato crops	2	3	3	-	17	20			40
	Total	**4**	**8**	**5**		**35**	**40**			**80**
Commercial Fruit Cultivation	Scientific cultivation practices of tissue culture banana	2	5	4	-	21	25			40
	Total	**2**	**5**	**4**	**-**	**21**	**25**			**40**
Nursery Management of Horticultural Crop	Lay-out of mother orchards & nursery beds in nursery raising.	**2**	**7**	4	-	16	20			40
	Total	**2**	**7**	**4**	**-**	**16**	**20**			**40**
Small Scale Processing	Preparation of green mango pickle	2	3	5	-	15		20	20	40
	Mango & Watermelon squace	2	3	5	-	15		20	20	40
	Guava Jelly making	2	3	5	-	15		20	20	40
	Total	**6**	**9**	**15**		**45**		**60**	**60**	**120**
Tailoring & Stitching	Tailoring	2	45	5	-	15		20	20	40
	Total	**2**	**45**	**5**	**-**	**15**		**20**	**20**	**40**
Rural Craft	Candle making	2	2	5	-	15		20	20	40
	Tie & dye, Batik painting	2	7	5	-	15		20	20	40
	Total	**4**	**9**	**10**		**30**		**40**	**40**	**80**

Extension functionaries

Thematic Area*	Title	Total No Of Course	Duration	No. of participants			Total			G.T.
				SC	ST	Others	M	F	T	
Productivity Enhancement in Field Crop	New vistas in summer pulses	1	2	5	-	15	20			20
	Advances in medicinal crop production	1	5	5	-	15	20			20
	Constraints of rice seeds production	1	2	5	-	15	20			20
	Advantage of SRI Techniques	1	2	5	-	15	20			20
	Techniques of FLD for higher oilseed production	1	4	5	-	15	20			20
	Scientific seed production Wheat crop.	1	2	5	-	15	20			20
	FLD for increasing production of Rabi pulse.	1	4	5	-	15	20			20
	Inter cropping in sugar cane with commercial crop	1	2	5	-	15	20			20
	Precautions in late sown Wheat seed production	1	2	5	-	15	20			20
	Modern concept of organic farming	1	2	5	-	15	20			20
	Total	**10**	**27**	**50**		**150**	**200**			**200**
Protected Cultivation Technique	Advantage & technique of drip irrigation system in horticultural crop	1	2	19	-	6	25			25
	Total	**1**	**2**	**19**	**-**	**6**	**25**			**25**
IPM	IPM in Paddy	1	2	4	-	16	20			20
	Integrated Termite Control	1	2	4	-	16	20			20
	IPM in Potato	1	2	4	-	16	20			20
	IPM in Lentil	1	2	4	-	16	20			20
	IPM in Onion	1	2	4	-	16	20			20
	Total	**5**	**10**	**58**		**92**	**150**			**150**
Fruit Production	Scientific approach in tissue culture Banana	1	2	5	-	15	20			20
	Total	**1**	**2**	**5**	**-**	**15**	**20**			**20**
Aromatic Cultivation	Cultivation of Japanese Mint & its distillation techniques	1	7	6	-	24	30			30
	Total	**1**	**7**	**6**	**-**	**24**	**30**			**30**
Information Networking	Different rural development programme.	1	2	5	-	15	20			20
	Total	**1**	**2**	**5**	**-**	**15**	**20**			**20**
Use of Zero Tillage Technology	Use of ZT seed cum fertilizer drill in Rice crops.	1	4	5	-	15	20			20
	Use of ZT drill in rice Wheat cropping system	1	2	5	-	15	20			20
	Total	2	6	10		30	40			40
Formation of SHG	Fundamental of SHG for women empowerment	1	2	5	-	15	20			20
	Total	**1**	**2**	5	-	15	20			20
Household food	Development of nutritional garden for balance nutrition in rural areas	1	2	5	-	15	20			20

security										
	Total	**1**	**2**	5	-	15	20			20
Control of go down Pest	Control of go down insect in cereals storage	2	2	5	-	15	20			20
	Total	**2**	**2**	**5**	**-**	**15**	**20**			**20**
Location Specific Drudgery reduction	Drudgery reduction through weedicide	2	2	5	-	15	20			40
	Total-	**2**	**2**	**5**	**-**	**15**	**20**			**40**

(a) Sponsored

Thematic Area*	**Title**	**Total No Of Course**	**Duration**	**No. of participants**			**Total**			**G.T.**
				SC	**ST**	**Others**	**M**	**F**	**T**	
Seed Production	Seed Production of rice Cv- R Sweta	2	5	5	-	15	20		20	40
	Seed production techniques in Okra	2	5	5	-	15	20		20	40
	Quality seed production of sugarcane.	2	7	5	-	15	20		20	40
	Seed Production of Gram cv P-256	2 2	5	5	-	15	20		20	40
	Seed Production of Lentil Cv- HUL-57	2	5	5	-	15	20		20	40
Commercial Fruit Cultivation	Lay-out of mother orchards	2	5	5	-	15	20		20	40
Value addition	Cereal Seed Processing & Packaging	2	2	5	-	15		20	20	40
IPM	BPH Control in Paddy	2	5	5	-	15	20		20	40
IDM	Wilt Control in Lentil	2	2	5	-	15	20		20	40
	Total	18	**41**	**45**		**135**	**160**	**20**	**20**	**360**

(b) Vocational

Thematic Area*	**Title**	**Total No Of Course**	**Duration**	**No. of participants**			**Total**			**GT**
				SC	**ST**	**Others**	**M**	**F**	**T**	
Production and Management technology	Scientific cultivation of Marigold	2	4	5	-	15	20			40
Medicinal & Aromatic Plant	Scientific cultivation of Mentha	2	2	5	-	15	20			40

Nursery management										
Commercial Fruit Cultivation	Scientific lay out for developing new Guava orchard	4	2	5	-	15	20			40
Rural Craft	Beautician & Parlor	1	180	5	-	15		20		40
	Total	**9**	**188**	**20**	**-**	**60**	**60**	**20**		**160**

*Thematic area to be matched with annual report format

4. Frontline Demonstration

Season	Crop	Variety	No. of demonstration	No. of area (ha)
Kharif	Paddy	R. Sweta	30	10.0
		Naveen	20	5.0
	Bottle Gourd	N. Rashmi	15	3.0
Rabi	Lentil	HUL-57	20	5.0
	Gram	P-240	20	5.0
	Mustard	JD-6	20	5.0
	Wheat	DBW-14	20	10.0
	Vegetable Pea	Boron application	25	5.0
Summer	Okra	VRO-6	15	3.0
	Cowpea	CP-4	15	3.0

5. Seed and planting material production

Seed		Planting material	
Crop	Area (ha)	Crop	Area
Paddy	250		
Wheat	425		
Lentil	40		
Gram	90		
Green Gram	50		
Sugar Cane	22		

6. Extension Activities

Activities	No.	Participation
FIELD DAYS	10	550
Kishan Mela	5	5000
DIAGNOSTIC SERVICES	30	900
FARMERS VISIT TO KVK		5600
PUBLICATION &	40	12000

DISTRIBUTION		
KISHAN GOSTHI	8	2000
KISHAN MELA	5	8000
DD / RADIO TALK	15	
FILM SHOW	120	

7. Revolving Fund in (Rs.)

Open balance (2011-12)	**Amount to be invested**	**Return**
2115	1,56,037	2,50,000

8. Expected fund utilization-NA

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

9. On-farm trials to be conducted

Thematic Area	Title	Treatments	No. of farmers
Cropping System	Evaluation of Suitable Rice cultivar for upland condition	Farmers Practice i.e. cultivation of P- 834 Tech. Option 1 – Cultivation of Naveen Tech. Option2 – Cultivation of Sahbhagi	20
Cropping System	Yield maximization in Rice based on Soil Test basis	Farmers Practice i.e. their own fertilization application Tech. Option 1 – Fertilization application as per University recommendation Tech. Option2 – Fertilization application as per Soil Test basis	20
Cropping System	Evaluation of Suitable Okra for YVMV resistance	Farmers Practice i.e. Local cultivar Tech. Option 1 – Cultivation of Swarn Rekha Tech. Option2 – Cultivation of Parwati	20
IPM	Evaluation of Suitable wheat cultivar for late condition	Farmers Practice i.e. Local cultivar i.e. HUW 234. Option 1– Cultivation of HD 2643 Tech. Option 2 – Cultivation of WH 2045	20

10. List of projects to be implemented -NA

Name of the project	Fund expected (Rs.)

11. Number of success stories to be developed
    a) Paddy Seed Production
    b) Pulses Seed Production
    c) Commercial Floriculture of Tube Rose
    d) Commercial Vermi Composting
    e) Commercial cultivation of Turmeric

12. Scientific Advisory Committee

Date of SAC meeting held during 2010-12	Proposed date
	July 2012

13. Soil and water testing

	No. of sample to be analyzed
Soil	3500
Plant	-
Manure	-

14. Staff position

Sanctioned	In position	If vacant, since when
Programme Co-ordinator	2.06.2001 (Dr. P. K. Dwivedi)	
SMS (Hort.)	9.10.1996 (Sri Nilesh Kumar)	
SMS (H. Sc.)	11.08.2001 (Smt. Supriya Verma)	
SMS (PBG)		19.07.2004
SMS (Ag. Extn.)		02.08.2001
SMS (PP)		19.07.2004
SMS (Vet. A.H.)		Since Inception
Programme Assistant	7.12.2000 (Sri S. B. K. Shashi)	
Prog. Asstt. (Computer)	01.01.2001 (Sri Pankaj Kumar)	
Farm Manager	6.02.2001(Sri Sunil Kumar)	
Office Suptd-cum-Acctt.	4.10.2001(Sri Sita Ram Prasad)	
Jr. Stenographer	18.12.2000 (Sri RadhaKrishan Nair)	
Driver	2.12.2000 (Sri Mahbir Ram)	
Driver	6.12.2000 (Sri Gopal Kumar)	
Supporting Staff	7.06.2001(Smt. Baby Kumari)	
Supporting Staff		07.09.2008

15. Status of infrastructure

Infrastructure	Complete	Under Constriction	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			

16. 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, 2012-March 2013).

Sl. No.	Discipline	No. of Courses	Duration (Days)	Total Trainee Days	No. of Participants		Total
					Men	Women	
A.	**FOR PRACTICING FARMERS**						
1	Crop Production						
	a) Weed Management	6	12	360	120	-	120
	b) Resource Conservation Technologies	11	8	440	60	-	60
	c) Cropping System	3	12	240	60	-	160
	d) Water management	9	21	680	100	-	100
	e) Seed production	6	42	840	120	-	120
	f) Nursery management	6	8	480	40	-	40
	g) Fodder production	2	8	160	40	-	40
	h) Production of organic inputs	6	38	900	120	-	120
	TOTAL	**49**	**149**	**4100**	**660**	-	**660**

2	Vegetable Production						
	a) Production of low volume and high value crops	11	47	940	220	-	220
	b)Nursery raising	6	9	360	60	-	60
	c) Seed Production	4	20	400	80	-	80
	d) Weed Control	6	6	240	60	-	60
	TOTAL	**27**	**82**	**1940**	**420**	-	**420**
	Fruit Production						
	a) Layout and management of Orchards	2	14	280	40	-	40
	b) Cultivation of Fruits	7	17	340	100	-	100
	c) Rejuvenation of old orchards	2	6	120	40	-	40
	TOTAL	**11**	**37**	**740**	**180**	-	**180**
	Ornamental plants	2	8	160	40	-	40
	Plantation crops	1	15	300	20	-	20
	Tuber crops	1	15	300	20	-	20
	Medicinal & Aromatic Plants	1	5	100	20	-	20
	P.H.T.& Value Addition.	2	4	80	40	-	40
	TOTAL	**7**	**47**	**940**	**140**	-	**140**
	Soil Health & Fertility Management					-	
	a) Soil fertility management	5	10	200	100	-	100
	b) Integrated Nutrient Management	4	13	260	80	-	80
	c) Production and use of Bio fertilizer	2	4	80	40	-	40
	d) Micro nutrient	4	8	160	80	-	80
	e) Soil & water Testing	6	6	240	60	-	60
	f) Land Leveling	4	4	160	40		40
	TOTAL	**25**	**45**	**1100**	**400**		**400**
3	Agriculture Extension a) Formation of Farm Science Club	2	6	120	40	-	40
4	Home Science						
	a) Household kitchen gardening	4	10	400	-	40	40
	b) Designing and development of low cost diet	8	8	320		40	40
	c) Gender mainstreaming through SHGs	8	8	320		40	40
	d) Storage loss techniques	16	8	640		80	80
	e) Value addition	6	39	840		100	100
	f) Rural Crafts	4	9	230		40	40
	g) Income generation	4	26	520		80	80
	h) Drudgery Reduction	10	10	400		100	100
	i) Women & child care	5	7	220		60	60
	TOTAL	**65**	**125**	**3890**		**580**	**580**
5	Agril. Engineering						
	a) Use of Z.T. in different situation	5	6	200	60	-	60

6	Plant Protection						
	a) Integrated Pest Management	12	28	740	200		200
	b) Integrated Disease Management	7	15	300	140		140
	c) Seed Treatment	4	8	160	80		80
	TOTAL	**23**	**51**	**1200**	**420**		**420**
	Total A	**191**	**497**	**13030**	**1900**	**580**	**2480**
B.	**FOR RURAL YOUTHS**						
1	Seed Production	3	17	365	60		60
2	Integrated farming	2	8	160	40		40
3	Commercial fruit cultivation	1	5	125	25		25
4	Nursery management of hort. crop	1	7	140	20		20
5	Small scale processing	3	9	180		45	45
6	Tailoring & Stitching	2	225	4500		40	40
7	Rural Crafts	4	9	230		40	40
	Total	**16**	**280**	**5700**	**145**	**125**	**270**
C.	**EXTENSION FUNCTIONARIES**						
1	Productivity Enhancement in field crop	10	27	580	200		200
2	Protected cultivation Technique	1	2	50	25		25
3	IPM	5	10	200	100		100
4	Fruit Production	1	2	40	20		20
5	Aromatic Cultivation	1	2	40	20		20
6	Information Networking	1	2	40	20		20
7	Use of ZT	2	4	80	40		40
8	Formation of SHG	1	2	40	20		20
9	House hold food security	1	2	40	20		20
10	Control of go down pest	1	2	40	20		20
11	Location specific drudgery reduction	2	2	40	20		20
	Total	**26**	**57**	**1190**	**505**		**505**
	GRAND TOTAL (A+ B+ C)	**233**	**834**	**19920**	**2550**	**705**	**3255**

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 50/trainee	Gross Total
1	Practicing Farmer	13030	521200	2480	126450	647650
2	Rural Youth	5700	228000	270	13500	241500
3	Extension Functionaries	1190	47600	505	25250	72850
	Grand Total	**19920**	**796800**	**3255**	**165200**	**962000**

Abstract of Estimated Expenditure under FLD

Sl. No	Season	Crop	Area (ha)	Rate of Seed/Chemical/ha	Total Quantity in Kg	Rate (Rs.)	Total Cost (Rs.)
1	Kharif 2012	Paddy	15.0	30.0Kg	450.0	24	10800.00
2	Rabi 2012	Wheat	10.0	120.0	1200.0	24	28800.00
3	-d0-	Lentil	5.0	40.0	200.0	70	14000.00
4	-d0-	Gram	5.0	Sulphur@ 20.0	100.0	50	5000.00
5	-d0-	Mustered	5.0	Sulphur@ 20.0	100.0	50	5000.00
6	-d0-	Vegetable pea	5.0	100.0	500.0	70	35000.00
7	Sumer 2013	Cowpea	3.0	25.0	75.0	200	15000.00
8	-do-	Okra	3.0	8.0	240.0	200	48000.00
	Grand Total		**51.0**				**161600.00**

Abstract of Estimated Expenditure under FLD

Sl No	Crop and situation	Area (ha)	Partici pants	Rate and total requirement of Seed/ Chemical	Cost of Seed/ Chemical /Kg/(Rs.)	Total Cost (Rs.)	Gross Total (Rs.)
1	Evaluation of Upland Paddy	9.0	20	@30 Kg/ha-270 Kg	24.00	6480.00	
	Seed treatment			@ 2g Carbandazim/ Kg Seed -540 gram	60.00/ 50 g	660.00	
	Soil testing		20		Rs.100 each	2000.00	9140.00
2	Response of Paddy on Soil Test Value	9.0	20	Fertilizer			
				a. Urea 1000.0 Kg	6.00	6000.00	
				b. DAP 500.0 Kg	25.00	12500.00	
				c. MOP 500.0 Kg	18.00	9000.00	
				d. Zinc 90.0 Kg	100.00	9000.00	
				e. Boron 90.0 Kg	100.00	9000.00	
	Soil testing		20		Rs.100 each	2000.00	47500.00
3	Evaluation of Okra against YVMV	6.0	20	@8 Kg/ha-48Kg	200.00	9600.00	
	Seed treatment			a. @ 2g/ Carbandazim Kg Seed -96 gram	60.00/ 50 g	120.00	
				b. @ 8 ml Clorpiryphos 384ml	40.00/ 100 ml	160.00	
	Soil testing		20		Rs.100 each	2000.00	11880.00
4	Evaluation of Wheat for late sown condition	9.0	20	@120Kg/ha-1080 Kg	26.00	28080.00	
	Seed treatment			a. @ 2g/ Carbandazim Kg Seed -2160 gram	60.00/ 50 g	2580.00	
	Soil testing		20		Rs.100 each	2000.00	32660.00
	Grand Total						101180.00