

PROFORMA FOR ANNUAL REPORT 2013-14

(FOR THE PERIOD APRIL 2013 TO MARCH 2014)

KRISHI VIGYAN KENDRA (KOLAR)

**PART I - GENERAL INFORMATION ABOUT THE KVK**

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

KVK Address	Telephone		E mail	Web Address
KrishiVigyan Kendra College of Horticulture Tamaka, Kolar 563 103	Office 08152 243099	Fax 08152 243028	Kvkkolar2012@gmail.com	

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

Address	Telephone		E mail	Web Address
	Office	Fax		
University of Horticultural Sciences, Bagalkot	08354201354	08354235152	<a href="mailto:vc@uhsbagalkot.edu.in">vc@uhsbagalkot.edu.in</a> <a href="mailto:doe@uhsbagalkot.edu.in">doe@uhsbagalkot.edu.in</a>	<a href="http://www.uhsbagalkot.edu.in">www.uhsbagalkot.edu.in</a>

1.3. Name of the Programme Coordinator with phone & mobile No

Name	Telephone / Contact		
	Residence	Mobile	Email
K.Thulasi Ram	9448633234	9480696395	<a href="mailto:thulasiram_1968@yahoo.co.in">thulasiram_1968@yahoo.co.in</a>

1.4. Year of sanction: December, 2012

1.5. Staff Position (as on 31<sup>st</sup> March 2014)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	M /F	Discipline	Highest Qualification (for PC, SMS and Prog. Asstt.)	Pay Scale	Basic pay	Date of joining KVK	Permanent /Temporary	Category (SC/ST/OBC/ Others)
1	Programme Coordinator	K.Thulasi Ram	PC	M	Entomology	M.Sc (Agri)	37400-67000 + 9000 AGP	37400	26.12.2012	Permanent	Gen
2	SMS	B.N.Maruti Prasad	SMS (Horticulture)	M	Horticulture	Ph.D	15600-39100 + 6000 AGP	15600	26.12.2012	Permanent	Gen
3	SMS	B.R.Premalatha	SMS (Agronomy)	F	Agronomy	Ph.D	15600-39100 + 6000 AGP	15600	26.12.2012	Permanent	Gen
4	SMS	Shashidhar,K.R.	SMS (Sericulture)	M	Sericulture	Ph.D	15600-39100 + 6000 AGP	15600	17.01.2014	Permanent	SC
5	SMS	NoorullaHaveri	SMS (Plant Pathology)	M	Plant Pathology	M.Sc (Agri)	15600-39100 + 6000 AGP	15600	27.01.2014	Permanent	OBC
6	SMS	DeepaTerdal	SMS (Home Science)	F	Home Science	Ph.D	15600-39100 + 6000 AGP	15600	03.02.2014	Permanent	SC
7	SMS	-	-	-	-	-	-	-	-	-	-
8	Programme Assistant(Lab Tech.)/T-4	Santosha H M	Programme assistant (Lab Tech.)	M	Vegetable Science	Ph.D	9300-34800 +4200 AGP	9300	06.03.2014	Permanent	Gen
9	Programme Assistant (Computer) / T-4	G.C.GnanaSudha	Programme assistant (Computer)	F	-	MCA	9300-34800 +4200 AGP	9300	27.01.2014	Permanent	SC
10	Programme Assistant/ Farm Manager	UmeshaNaik	Farm manager	M	Agriculture	B.Sc (Agri)	9300-34800 +4200 AGP	9300	03.03.2014	Permanent	SC
11	Accountant	Ravi Shankar	Accountant/ Suptd.	M	-	M.com	16000-29600	16000	22.03.2013	Permanent	SC

12	Jr. Stenographer	SavitriRudrapur	Stenographer	F	-	M.com	20000-36300	20000	12.03.2014	Permanent	OBC
13	Driver	-	-	-	-	-	-	-	-	-	-
14	Driver	-	-	-	-	-	-	-	-	-	-
15	Supporting staff	Y. Belagal	Gardener	M	-	PUC	9600-14450	9600	18.11.2013	Permanent	Gen
16	Supporting staff	Shrinivas D. Gasti	Gardener	M	-	PUC	9600-14450	9600	03.02.2014	Permanent	SC

1.6. Total land with KVK (in ha) : NIL ha

S. No.	Item	Area (ha)
1	Under Buildings	-
2	Under Demonstration Units	-
3	Under Crops	-
4	Orchard/Agro-forestry	-
5	Others	-

1.7. Infrastructural Development: NIL

A) Buildings

S. No.	Name of building	Source of funding	Stage						
			Complete			Incomplete			
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction	
1.	Administrative Building	-	-	-	-	-	-	-	-
2.	Farmers Hostel	-	-	-	-	-	-	-	-
3.	Staff Quarters	-	-	-	-	-	-	-	-
	1	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-
	6	-	-	-	-	-	-	-	-
4.	Demonstration Units	-	-	-	-	-	-	-	-
	1	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-
5	Fencing	-	-	-	-	-	-	-	-
6	Rain Water harvesting system	-	-	-	-	-	-	-	-
7	Threshing floor	-	-	-	-	-	-	-	-
8	Farm godown	-	-	-	-	-	-	-	-
9		-	-	-	-	-	-	-	-
10		-	-	-	-	-	-	-	-

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Hero Splendor plus	2013	54600	1162	Good
Honda Activa	2013	61345	5081	Good
-	-	-	-	-

C) Equipments& AV aids: NIL

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
-	-	-	-

1.8. Details SAC meeting conducted in 2013-14

Sl.No.	Date	Number of Participants	No.of absentees	Salient Recommendations	Action taken
1.	07.08.2013	26	1	To take up seed production of groundnut (KCG-2) redgram (BRG-1, TTB-7) varieties	As it was already delayed and also as the land was not yet allotted then, it would be taken up in the ensuing season
				To give complete package for vegetables under protected cultivation	As a part of technology week, IIHR scientists were invited and arranged a seminar on the topic. Will publish the relevant information in the form of folder in 2014-15
				To give emphasis for programmes on sericulture, home science and animal husbandary	Care is taken to formulate OFTs and FLDs in the action plan of 2014-15
				To create mango growers associations	Established close rapport with several mango growers associations in Srinivaspurtaluka and giving trainings guidance on scientific harvesting, ripening and direct marketing

## PART II - DETAILS OF DISTRICT

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

Sl. No	Farming system/enterprise	
1	Irrigated (bore well)	Tomato- Ragi, Potato- Ragi, Vegetables- Ragi, Mulberry, Coconut, Sapota, papaya, Guava etc.
2	Tank Irrigated	Paddy
3	Rainfed	Ragi based mixed cropping, Groundnut based intercropping, Maize, Pigeon pea, Horse gram, Field bean, Mango, Cashew, Tamarind etc.
4	Enterprises	Sericulture, Dairy, Poultry, Sheep and Goat rearing

### 2.2 Description of Agro-climatic Zone & major agro ecological situations (based on soil and topography)

S. No	Agro-climatic Zone	Characteristics
1	Eastern dry zone	This zone consists of an area of 1.808 mha. The annual rainfall ranges from 679.1-888.9 mm. More than 50 % of it is received during the Kharif season. The elevation is 800-900 m and the soils are red loamy in major areas, lateritic in the remaining areas

S. No	Agro ecological situation	Characteristics
	Semi –arid climate	The district receives an annual rainfall of 744 mm received in 45 rainy days. The duration of the monsoon, however, seems to be shrinking with the first three months in the year receiving very little rainfall in recent times. The rainfall distribution has two peaks, one during May and another during September. It is characterized by erratic and uneven distribution. Predominantly the tube wells/bore wells are the major source of irrigation in the district. There are about 41,311 ha of land being irrigated through such bore wells. The number of irrigation pump sets existing in the district is 50,366. Tanks and open wells are the other sources of irrigation.

### 2.3 Soil type/s

S. No	Soil type	Characteristics	Area in ha
1	Medium deep, red clayey soil	Red to a bright reddish-orange in color. They are typically quite acidic, often having a pH of less than 5.	7026
2	Medium deep, red gravelly soil	Red in color which is mainly due to ferric oxides. They are usually poor growing soils, low in nutrients and humus.	17946
3	Deep, red clayey loam soil	Clay loam is a soil mixture that contains more clay than other types of rock or minerals. These soils contains a good amount of plant nutrients and supports most types of plants and crops	88400
4	Deep, red clayey soil	Soil mixture contains less clay component. Nutritionally poor.	119720
5	Deep, red gravelly clay soil	Same as clayey loam but gravelly in nature	20363
6	Deep, lateritic clayey soil	These soils are rich in iron and aluminium. Nearly all laterites are rusty-red because of iron oxides.	16813
7	Deep, lateritic gravelly clayey soil	Characteristically similar to the lateritic clayey but stony and gravelly nature less suitable for arable crop cultivation	10940
8	Deep, alluvial clayey soil (salt affected)	A soil deposit developed on floodplain and delta deposits. Soil supports good crop growth.	92843
9	Red gravelly clay soils (Rocky land)	They are less clayey and sandier and are poor in important minerals like lime, phosphorous and nitrogen. Red soil is acidic like that of the Lateritic soil.	11036

\*NBSS & LUP, RS, Bangalore (2012-13)

## 2.4. Area, Production and Productivity of major crops cultivated in the district

S. No	Crop	Area (ha)	Production (Metric tons)	Productivity (kg /ha)
1	Ragi	60273	293288	3249
2	Paddy	5244	25591	3119
3	Maize	1133	4532	4000
4	Field beans	8023	4144	516
5	Horse gram	7341	1832	1216
6	Redgram	3401	1510	1252
7	Groundnut	10528	7052	980
8	Niger	229	78	340
9	Coconut	7000	915	12000 nuts/ha
10	Cashew	2190	4245	1900
11	Tomato	9695	547000	56000
12	Potato	6951	107000	15000
13	Beans	3299	34000	10500
14	Cabbage	1758	34000	19000
15	Knolkhol	1605	25000	16000
16	Chilli	1400	29000	20000
17	Carrot	1300	22000	19000
18	Radish	1029	12000	12000
19	Cauliflower	752	12000	16500
20	Capsicum	450	90000	20000
21	Cucumber	200	3300	16000
22	Mango	44102	5010000	11500
23	Sapota	3403	52000	15000
24	Banana	2720	91000	33000
25	Papaya	367	27678	75000

\* Statistical survey, Horticultural & Agricultural dept. (2013-14)

## 2.5. Weather data

Month	Rainfall (mm)	Temperature °C		Relative Humidity (%)
		Maximum	Minimum	
Apr	79	35.36	22.93	54
May	100	33.64	26.12	64
Jun	24	28.33	20.33	74
Jul	0	27.09	20.06	77
Aug	1.5	29.20	22.20	79
Sep	199.1	28.10	20.70	76
Oct	275.1	27.80	20.70	78
Nov	31.8	26.80	18.10	73
Dec	3.6	15.60	20.30	68
Jan	0	29.16	16.41	60
Feb	7.0	31.25	18.10	52
Mar	0	32.80	20.80	46

\* Automated weather station, COH, Kolar (2013-14)

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

Category	Population	Production	Productivity
Cattle			
Crossbred	151906	-	-
Indigenous	88563	-	-
Buffalo	49771	-	-

Sheep			
Crossbred	556	-	-
Indigenous	365838	-	-
Goats	88167	-	-
Pigs		-	-
Crossbred	199	-	-
Indigenous	2738	-	-
Rabbits	305	-	-
Poultry			
Hens	424347	-	-
Desi	398575	-	-
Improved	25772	-	-
Ducks	1277	-	-
Turkey and others	90	-	-

Category	Area	Production	Productivity
Fish		-	-
Marine	-	-	-
Inland	41.980 lakh (Fish seed stock)	2437.93 Tonnes	
Prawn	-	-	-
Scampi	-	-	-
Shrimp	-	-	-

\* Please provide latest data from authorized sources. Please quote the source

2.7 District profile has been Updated for 2013-14 Yes / No:Yes

2.8. Details of Operational area / Villages

Sl. No.	Taluk	Name of the block	Name of the village	How long the village is covered under operational area of the KVK (specify the years)	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Malur	Malur	Tambihalli	1 year	Ragi, redgram, horse gram, Dairy, Tomato, Sericulture	Low yields, Old varieties	Improved varieties
2	Kolar	Sugatur	Sugatur	1 year	Redgram, field bean, mango, ragi, Dairy and sericulture	Old varieties and pod borer menace	Improved varieties
3	Kolar	Kolar	Iragasandra	1 year	Ragi, redgram, field bean, horse gram, Dairy, Sericulture	Old varieties, Pod borer menace	Improved varieties
4	Mulbagal	Mulbagal	Kappalamadugu	1 year	Ragi, redgram, Ground nut, field bean, horse gram, Dairy, Sericulture	Old varieties, no bio fertilizers	Improved varieties
5	Srinivasapur	S.Pura	Bandapalli	1 year	Mango, papaya, sericulture, Dairy, Tomato, Field bean	Improper management of pest and diseases	Improved Crop Management Practices

6	Kolar	Vakkaleri	Muduvathi	1 year	Tomato,potato,beans,cabb age, Ragi, Field bean, Dairy	Pest menace	IPM and IDM
7	Kolar	Vakkaleri	Muduvathi	1 year	Tomato,potato,beans,cabb age, Ragi, Field bean, Dairy	Disease and pest menace	IPM and IDM
8	Kolar	Kolar	Vadagur	1 year	Tomato,potato,beans,cabb age, Ragi, Field bean, Dairy	Late blight	IDM

## 2.9 Priority thrust areas

S. No	Thrust area
1	Popularization of improved varieties
2	Popularization of IPM and IDM in various crops
3	Organic farming
4	Improved Crop Management Practices in Major Fruits, Vegetables and Flower crops



**PART III - TECHNICAL ACHIEVEMENTS**

3.A. Details of target and achievements of mandatory activities

OFT				FLD			
1				2			
Number of OFTs		Number of farmers		Number of FLDs		Number of farmers	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
1	1	3	2	8	7	60	53

Training				Extension Programmes			
3				4			
Number of Courses		Number of Participants		Number of Programmes		Number of participants	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
51	30	1230	1260	390	382	3500	13465

Seed Production (Qtl.)		Planting materials (Nos.)	
5		6	
Target	Achievement	Target	Achievement
--	--	--	--

Livestock, poultry strains and fingerlings (No.)		Bio-products (Kg)	
7		8	
Target	Achievement	Target	Achievement
--	--	--	--

## 3.B1. Abstract of interventions undertaken based on thrust areas identified for the district as given in Sl.No.2.7

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions											
				Title of OFT if any	Title of FLD if any	Number of Training (farmers)	Number of Training (Youths)	Number of Training (extension personnel)	Extension activities (No.)	Supply of seeds (Qtl.)	Supply of planting materials (No.)	Supply of livestock (No.)	Supply of bio products		
1	IPM & IDM	Tomato	Late blight	Integrated Management of Late blight of tomato		1					-	-	-	-	-
2	Improved varieties	Ragi	Low yields, Old varieties		Promotion of improved variety and micronutrient supplementation	1			1		-	-	-	-	-
3	Improved varieties	Groundnut	Old varieties, no bio fertilizers		Promotion of improved variety and bio fertilizers	1					-	-	-	-	-
4	Improved varieties	Red gram	Old varieties and pod borer menace		Popularization of improved variety and IPM	5					-	-	-	-	-
5	Improved varieties	Field bean	Old varieties, Pod borer menace		Yield optimization through bio fertilizers and pest management	1					-	-	-	-	-
6	Improved Crop Management Practices	Mango	Improper management of pest and diseases		Demonstration of ICM	3					-	-	-	-	-
7	IPM and IDM	Tomato	Pest and disease menace		Integrated pest and disease management	1					-	-	-	-	-
8	IPM and IDM	Cabbage	Pest and disease menace		Integrated pest and disease management	1			1		-	-	-	-	-



Seed / Plant production	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-
Drudgery Reduction	-	-	-	-	-	-	-	-	-	-
Storage Technique	-	-	-	-	-	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-	-	-	-	-	-
Total					3					

## 4.A2. Abstract on the number of technologies refined in respect of crops: NA

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-
Varietal Evaluation	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	-	-	-	-	-	-	-	-	-	-
Integrated Disease Management	-	-	-	-	-	-	-	-	-	-
Small Scale Income Generation Enterprises	-	-	-	-	-	-	-	-	-	-
Weed Management	-	-	-	-	-	-	-	-	-	-
Resource Conservation Technology	-	-	-	-	-	-	-	-	-	-
Farm Machineries	-	-	-	-	-	-	-	-	-	-
Integrated Farming System	-	-	-	-	-	-	-	-	-	-
Seed / Plant production	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-
Drudgery Reduction	-	-	-	-	-	-	-	-	-	-
Storage Technique	-	-	-	-	-	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-

## 4.A3. Abstract on the number of technologies assessed in respect of livestock enterprises: NA

Thematic areas	Cattle	Poultry	Piggery	Rabbitry	Fisheries	TOTAL
Evaluation of Breeds	-	-	-	-	-	-
Nutrition Management	-	-	-	-	-	-
Disease of Management	-	-	-	-	-	-
Value Addition	-	-	-	-	-	-
Production and Management	-	-	-	-	-	-
Feed and Fodder	-	-	-	-	-	-
Small Scale income generating enterprises	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-

## 4.A4. Abstract on the number of technologies refined in respect of livestock enterprises : NA

Thematic areas	Cattle	Poultry	Piggery	Rabbitry	Fisheries	TOTAL
Evaluation of Breeds	-	-	-	-	-	-
Nutrition Management	-	-	-	-	-	-
Disease of Management	-	-	-	-	-	-
Value Addition	-	-	-	-	-	-
Production and Management	-	-	-	-	-	-

Feed and Fodder	-	-	-	-	-	-
Small Scale income generating enterprises	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-

#### 4.B. Achievements on technologies Assessed and Refined

##### 4.B.1. Technologies Assessed under various Crops

Thematic areas	Crop	Name of the technology assessed	No. of trials	Number of farmers	Area in ha (Per trail covering all the Technological Options)
Integrated Nutrient Management	-	-	-	-	-
	-	-	-	-	-
Varietal Evaluation	-	-	-	-	-
	-	-	-	-	-
Integrated Pest Management	-	-	-	-	-
	-	-	-	-	-
Integrated Crop Management	-	-	-	-	-
	-	-	-	-	-
Integrated Disease Management	Tomato	Integrated Management of Late blight of tomato	2	2	3 ac.
	-	-	-	-	-
Small Scale Income Generation Enterprises	-	-	-	-	-
	-	-	-	-	-
Weed Management	-	-	-	-	-
	-	-	-	-	-
Resource Conservation Technology	-	-	-	-	-
	-	-	-	-	-
Farm Machineries	-	-	-	-	-
	-	-	-	-	-
Integrated Farming System	-	-	-	-	-
	-	-	-	-	-
Seed / Plant production	-	-	-	-	-
	-	-	-	-	-
Value addition	-	-	-	-	-
	-	-	-	-	-
Drudgery Reduction	-	-	-	-	-
	-	-	-	-	-
Storage Technique	-	-	-	-	-
	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-
	-	-	-	-	-
Total	1		2	2	3 ac

##### 4.B.2. Technologies Refined under various Crops

Thematic areas	Crop	Name of the technology assessed	No. of trials	Number of farmers	Area in ha (Per trail covering all the Technological Options)
Integrated Nutrient Management	-	-	-	-	-
	-	-	-	-	-

Varietal Evaluation	-	-	-	-	-
	-	-	-	-	-
Integrated Pest Management	-	-	-	-	-
	-	-	-	-	-
Integrated Crop Management	-	-	-	-	-
	-	-	-	-	-
Integrated Disease Management	-	-	-	-	-
	-	-	-	-	-
Small Scale Income Generation Enterprises	-	-	-	-	-
	-	-	-	-	-
Weed Management	-	-	-	-	-
	-	-	-	-	-
Resource Conservation Technology	-	-	-	-	-
	-	-	-	-	-
Farm Machineries	-	-	-	-	-
	-	-	-	-	-
Integrated Farming System	-	-	-	-	-
	-	-	-	-	-
Seed / Plant production	-	-	-	-	-
	-	-	-	-	-
Value addition	-	-	-	-	-
	-	-	-	-	-
Drudgery Reduction	-	-	-	-	-
	-	-	-	-	-
Storage Technique	-	-	-	-	-
	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-
	-	-	-	-	-
Total	-	-	-	-	-

#### 4.B.3. Technologies assessed under Livestock and other enterprises : NA

Thematic areas	Name of the livestock enterprise	Name of the technology assessed	No. of trials	No. of farmers
Evaluation of breeds	-	-	-	-
Nutrition management	-	-	-	-
Disease management	-	-	-	-
Value addition	-	-	-	-
Production and management	-	-	-	-
Feed and fodder	-	-	-	-
Small scale income generating enterprises	-	-	-	-
Total				

#### 4.B.4. Technologies Refined under Livestock and other enterprises : NA

Thematic areas	Name of the livestock enterprise	Name of the technology assessed	No. of trials	No. of farmers
Evaluation of breeds	-	-	-	-
Nutrition management	-	-	-	-
Disease management	-	-	-	-
Value addition	-	-	-	-
Production and management	-	-	-	-
Feed and fodder	-	-	-	-
Small scale income generating enterprises	-	-	-	-
Total				

#### 4.C1. Results of Technologies Assessed Results of On Farm Trial

Crop/enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Tomato	Irrigated	Late blight is a major disease in tomato which reduces the yield to an extent of 40-50 per cent under warm and humid conditions	Integrated Management of Late blight of tomato	2	Trichoderma + Pseudomonas, Prophylaticspray of Fosetyl AL (0.1%)+ Metalaxyl+ Mancozeb (0.2%), + Dimethomorph + Mancozeb (0.2%)	% PDI Yield	TO1 %PDI 23.75	Yield 46.87 t/ha	Effective control, economical & Higher yield	-	-
							TO2 %PDI 13.50	Yield 54.00 t/ha			
							TO3 %PDI 9.00	Yield 59.62 t/ha			

Contd..

Technology Assessed	Source of Technology	Production	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net Return (Profit) in Rs. / unit	BC Ratio
13	14	15	16	17	18
Technology option1: (Farmer's practice)( Spray of mancozeb 2.5 g, COC 3 g, Tricyclozole 1 ml, Ridomil MZ 2 g, Carben+mancozeb 3 g, dimethomorph 1 g, fenamidon+mancozeb 3 g)	--	46.87	t/ha	396515/ha	3.39
Technology option 2: Prophylatic spray – Mancozeb, ,Metalaxyl+ Mancozeb (0.2%), Fenamidon+ Mancozeb (0.3%)	IIHR, Bengaluru	54.00	t/ha	482075/ha	3.91
Technology option 3: Trichoderma + Pseudomonas, Prophylaticspray of Fosetyl AL (0.1%)+Metalaxy+ Mancozeb (0.2%), + Dimethomorph + Mancozeb (0.2%)	TNAU, Coimbatore	59.62	t/ha	547890/ha	4.27

4. C2. Details of each On Farm Trial for assessment to be furnished in the following format separately as per the following details

- Title of the technology assessed : Management of late blight in tomato
- Problem Definition : Late blight is a major disease in tomato which reduces the yield to an extent of 40-50 per cent under warm humid conditions
- Details of technologies selected for assessment:

Category	Source of Technology	Technology details
Technology Option 1	Farmers practice	Sparay of mancozeb 2.5 g, COC 3 g, Tricyclozole 1 ml, Ridomil MZ 2 g, Carben+mancozeb 3 g, dimethomorph 1 g, fenamidon+mancozeb 3 g
Technology Option 2	IIHR, Bangalore	Prophylatic spray – Mancozeb, Metalaxyl+ Mancozeb (0.2%), Fenamidon+ Mancozeb (0.3%)
Technology Option 3	TNAU, Coimbatore	Trichoderma + Pseudomonas, Prophylaticspray ,Fosetyl AL (0.1%)+ Metalaxy+ Mancozeb (0.2%), + Dimethomorph + Mancozeb (0.2%)

4. Source of technology : TNAU,Coimbatore
5. Production system and thematic area : Vegetable based disease management
6. Performance of the Technology with performance indicator:

Field No.	Farmer's Practice (TO1)		(TO2)IIHR, Bangalore		(TO3)TNAU, Coimbatore	
	PDI	Yield( t/ha)	PDI	Yield( t/ha)	PDI	Yield( t/ha)
1	25.50	47.50	12.00	55.00	8.00	60.50
2	22.00	46.25	15.00	53.00	10.00	58.75
Avg.	23.75	46.87	13.50	54.00	9.00	59.62

- 7) Feedback, matrix scoring of various technology parameter done through farmer participation/other scoring techniques : Timely application chemicals, correct dosage and spray interval effectively manages the disease
- 8) Final recommendation for micro level situation: : May be included in the spray schedule of the crop
- 9) Constraints identified and feedback for research : -
- 10) Process of farmers participation and their reaction: :Participatory approach  
 Group discussion, Method demonstration & Field visits  
 Effective control, economical & Higher yield

#### 4.D1. Results of Technologies Refined : NA

##### Results of On Farm Trial

Crop/enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology refined	Parameters of refined t	Data on the parameter	Results of refinement	Feedback from the farmer	Details of refinement done
1	2	3	4	5	6	7	8	9	10	11
-	-	-	-	-	-	-	-	-	-	-

Contd..

Technology Refined	Source of Technology for Technology Option1 / Justification for modification of assessed Technology Option 1	Production	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net Return (Profit) in Rs. / unit	BC Ratio
13		14	15	16	17
Technology Option 1 (best performing Technology Option in assessment)	-	-	-	-	-
Technology Option 2 (Modification over Technology Option 1)	-	-	-	-	-
Technology Option 3 (Another Modification over Technology Option 1)	-	-	-	-	-



4.D.2. Details of each On Farm Trial for refinement to be furnished in the following format separately as per the following details:

1. Title of Technology refined
2. Problem Definition
3. Details of technologies selected for refinement
4. Source of technology
5. Production system and thematic area
6. Performance of the Technology with performance indicators
7. Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques
8. Final recommendation for micro level situation
9. Constraints identified and feedback for research
10. Process of farmers participation and their reaction

**PART V - FRONTLINE DEMONSTRATIONS**

5.A. Summary of FLDs implemented during 2013-14

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
									Proposed	Actual	SC/ST	Others	Total	
1	Oilseeds	Rainfed	Kharif 2013-14	Groundnut	KCG-2	-	Varietal introduction	Promotion of improved variety and bio fertilizers	2	2	3	7	10	-
2	Pulses	Rainfed	Kharif 2013-14	Redgram	BRG-2	-	Varietal introduction	Popularization of improved variety and IPM	4	4	4	6	10	-
3	Pulses	Rainfed	Kharif 2013-14	Field bean	HA-4	-	Varietal introduction	Yield optimization through bio fertilizers and pest management	4	4	2	8	10	-
	Cereals	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-
4	Millets	Rainfed	Kharif 2013-14	Ragi	KMR-301	-	Varietal introduction	Promotion of improved variety and micronutrient supplementation	4	4	2	8	10	
		-	-	-	-	-	-	-	-	-	-	-	-	-
5	Vegetables	Irrigated	Rabi 2013-14	Tomato	-	1030	IPDM	Integrated pest and disease management	2	2	1	4	05	-
6	Vegetables	Irrigated	Rabi 2013-14	Cabbage	-	Unnati	IPDM	Integrated pest and disease management	1	1	1	2	03	-
	Flowers	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-
	Ornamental	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-
7	Fruit	Rainfed	R/S 2013-14	Mango	Alphonso		ICM	Demonstration of ICM	2	2	0	5	05	







## 5.B. Results of Frontline Demonstrations

## 5.B.1. Crops

Crop	Name of the technology demonstrated	Variety	Hybrid	Farming situation	No. of Demo.	Area (ha)	Yield (q/ha)				% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
							Demo			Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
							H	L	A										
Oilseeds (Groundnut)	Promotion of improved variety and bio fertilizers	KCG-2	-	Rainfed	10	2	19.50	16.00	17.40	14.40	20.83	26750	78300	51550	2.92	28450	64800	36350	2.27
Pulses (Redgram)	Popularization of improved variety and IPM	BRG-2	-	Rainfed	10	4	44.75	39.50	42.32	33.85	25.03	45275	85040	39765	1.87	42450	67700	25250	1.59
(Fieldbean)	Yield optimization through bio fertilizers and pest management	HA-4	-	Rainfed	10	4	20.25	26.50	24.25	19.50	24.35	29650	60625	30975	2.04	30250	48750	18500	1.61
Cereals	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Millets (Finger millet)	Promotion of improved variety and micronutrient supplementation	KMR-301		Rainfed	10	4	32.5	28.0	31.0	24.5	26.53	32800	55800	23000	1.70	33600	44100	10500	1.31
Vegetables (Tomato)	Integrated pest and disease management		1030	Irrigated	5	2	575.0	662.5	630.0	517.5	21.73	170550	693000	522450	4.06	172350	569250	396900	3.30
(Cabbage)	Integrated pest and disease management		Unnati	Irrigated	3	1	650.0	550.0	583.2	508.2	14.75	101250	174960	73710	1.72	109650	152460	42810	1.39
Flowers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ornamental	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fruit (Mango)	Integrated crop management	Alphonso		Rainfed	2	5	Demonstration is still going on												
Spices and condiments	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Commercial	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fibre crops like cotton	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Medicinal and aromatic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fodder	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plantation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fibre	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

\* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

\*\* BCR= GROSS RETURN/GROSS COST

H – Highest Yield, L – Lowest Yield A – Average Yield

## Data on additional parameters other than yield (viz., reduction of percentage in weed/pest/diseases etc.)

Data on other parameters in relation to technology demonstrated		
Parameter with unit	Demo	Check
Groundnut (KCG-2)		
No. of pods/plant	34.40	29.80
Redgram (BRG-2)		
Plant height (cm)	161.10	153.50
No. of pods/plant	168.80	152.80
% pod borer incidence	7.46	15.26
Field bean (HA-4)		
% pod borer incidence	10.20	17.35
No. of pods/plant		
Ragi (KMR-301)		
Plant height (cm)	98.20	95.8
No. of tillers/plant	8.40	6.90
Tomato (Abhinav)		
Whitefly/leaf	1.32	3.16
Fruit borer/plant	1.18	3.28
% Early blight	2.30	4.72
% Late blight	12.10	18.60
% ToLCV	3.20	5.60
% ToSpo virus	1.20	4.20
Cabbage (Unnati)		
% Black rot	5.33	12.14
DBM/plant	2.20	5.10
Bugs/plant	2.74	7.26
Mango (Alphonso)		
Hoppers/panicle	10.40	18.20
% Powdery mildew	12.60	26.40

## 5.B.2. Livestock and related enterprises: NA

Type of livestock	Name of the technology demonstrated	Breed	No. of Demo	No. of Units	Yield (q/ha)			Check if any	% Increase	*Economics of demonstration (Rs./unit)				*Economics of check (Rs./unit)			
					Demo					Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
					H	L	A										
Dairy	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Poultry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rabbitry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Piggery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sheep and goat	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Duckery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

\* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

\*\* BCR= GROSS RETURN/GROSS COST

Data on additional parameters other than yield (viz., reduction of percentage diseases, increase in conceiving rate, inter-calving period etc.) : NA

Data on other parameters in relation to technology demonstrated		
Parameter with unit	Demo	Check if any
-	-	-
-	-	-
-	-	-
-	-	-



## 5.B.3. Fisheries : NA

Type of Breed	Name of the technology demonstrated	Breed	No. of Demo	Units / Area (m <sup>2</sup> )	Yield (q/ha)			Check if any	% Increase	*Economics of demonstration (Rs./unit) or (Rs./m <sup>2</sup> )				*Economics of check (Rs./unit) or (Rs./m <sup>2</sup> )			
					Demo					Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
					H	L	A										
Common carps	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mussels	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ornamental fishes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

\* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

\*\* BCR= GROSS RETURN/GROSS COST

H-High L-Low, A-Average

Data on additional parameters other than yield (viz., reduction of percentage diseases, effective use of land etc.)

Data on other parameters in relation to technology demonstrated		
Parameter with unit	Demo	Check if any
-	-	-
-	-	-
-	-	-
-	-	-

## 5.B.4. Other enterprises: NA

Enterprise	Name of the technology demonstrated	Variety / species	No. of Demo	Units / Area {m <sup>2</sup> }	Yield (q/ha)			Check if any	% Increase	*Economics of demonstration (Rs./unit) or (Rs./m <sup>2</sup> )				*Economics of check (Rs./unit) or (Rs./m <sup>2</sup> )			
					Demo					Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
					H	L	A										
Oyster mushroom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Button mushroom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vermicompost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sericulture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Apiculture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

\* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

\*\* BCR= GROSS RETURN/GROSS COST

H-High L-Low, A-Average

Data on additional parameters other than yield (viz., additional income realized, employment generation, quantum of farm resources recycled etc.)

Data on other parameters in relation to technology demonstrated		
Parameter with unit	Demo	Local
-	-	-
-	-	-
-	-	-

## 5.B.5. Farm implements and machinery : NA

Name of the implement	Cost of the implement in Rs.	Name of the technology demonstrated	No. of Demo	Area covered under demo in ha	Labour requirement in Mandays		% save	Savings in labour (Rs./ha)	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check			Gross cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

\* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

\*\* BCR= GROSS RETURN/GROSS COST

## Data on additional parameters other than laboursaved (viz., reduction in drudgery, time etc.)

Data on other parameters in relation to technology demonstrated		
Parameter with unit	Demo	Local
-	-	-
-	-	-
-	-	-

## 5.B.6. Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organised	Number of participants	Remarks
1	Field days	2	55	
2	Farmers Training	14	385	
3	Media coverage	-	-	-
4	Training for extension functionaries	-	-	-
5	Others (Please specify)	-	-	-



Field bean	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cabbage	Integrated Pest and disease management	Unnati	3	1	650.00	550.00	583.20	508.20	14.75	101250	174960	73710	1.72	109650	152460	44810	1.39
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Commercial crops	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sugarcane	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coconut	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fodder crops	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maize (Fodder)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sorghum (Fodder)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total		2	8	3													

H-High L-Low, A-Average

\*Please ensure that the name of the hybrid is correct pertaining to the crop specified







Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Production of Inputs at site	-	-	-	-	-	-	-	-	-	-
Seed Production	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Bio-agents production	-	-	-	-	-	-	-	-	-	-
Bio-pesticides production	-	-	-	-	-	-	-	-	-	-
Bio-fertilizer production	-	-	-	-	-	-	-	-	-	-
Vermi-compost production	-	-	-	-	-	-	-	-	-	-
Organic manures production	-	-	-	-	-	-	-	-	-	-
Production of fry and fingerlings	-	-	-	-	-	-	-	-	-	-
Production of Bee-colonies and wax sheets	-	-	-	-	-	-	-	-	-	-
Small tools and implements	-	-	-	-	-	-	-	-	-	-
Production of livestock feed and fodder	-	-	-	-	-	-	-	-	-	-
Production of Fish feed	-	-	-	-	-	-	-	-	-	-
Mushroom production	-	-	-	-	-	-	-	-	-	-
Apiculture	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
CapacityBuilding and Group Dynamics	-	-	-	-	-	-	-	-	-	-
Leadership development	-	-	-	-	-	-	-	-	-	-
Group dynamics	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-
Mobilization of social capital	-	-	-	-	-	-	-	-	-	-
Entrepreneurial development of farmers/youths	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Agro-forestry	-	-	-	-	-	-	-	-	-	-
Production technologies	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Farming Systems	-	-	-	-	-	-	-	-	-	-
Others (Pl. specify)	-	-	-	-	-	-	-	-	-	-
TOTAL	6	136	-	136	26	-	26	162	-	162









Production of Inputs at site	-	-	-	-	-	-	-	-	-	-
Seed Production	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Bio-agents production	-	-	-	-	-	-	-	-	-	-
Bio-pesticides production	-	-	-	-	-	-	-	-	-	-
Bio-fertilizer production	-	-	-	-	-	-	-	-	-	-
Vermi-compost production	-	-	-	-	-	-	-	-	-	-
Organic manures production	-	-	-	-	-	-	-	-	-	-
Production of fry and fingerlings	-	-	-	-	-	-	-	-	-	-
Production of Bee-colonies and wax sheets	-	-	-	-	-	-	-	-	-	-
Small tools and implements	-	-	-	-	-	-	-	-	-	-
Production of livestock feed and fodder	-	-	-	-	-	-	-	-	-	-
Production of Fish feed	-	-	-	-	-	-	-	-	-	-
Mushroom production	-	-	-	-	-	-	-	-	-	-
Apiculture	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
CapacityBuilding and Group Dynamics	-	-	-	-	-	-	-	-	-	-
Leadership development	-	-	-	-	-	-	-	-	-	-
Group dynamics	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-
Mobilization of social capital	-	-	-	-	-	-	-	-	-	-
Entrepreneurial development of farmers/youths	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Agro-forestry	-	-	-	-	-	-	-	-	-	-
Production technologies	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Farming Systems	-	-	-	-	-	-	-	-	-	-
Others (Pl. specify)	-	-	-	-	-	-	-	-	-	-
Sericulture	1	30	-	30	-	-	-	30	-	30
TOTAL	21	661	30	691	251	10	261	912	40	952













PART VIII – EXTENSION ACTIVITIES

Extension Programmes (including extension activities undertaken in FLD programmes)

Nature of Extension Programme	No. of Programmes	No. of Participants (General)			No. of Participants SC / ST			No. of extension personnel		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	5	220	50	270	-	-	-	8	2	10
KisanMela	2	2500	1000	3500	-	-	-	200	100	300
KisanGhosthi	2	60	10	70	-	-	-	2	-	2
Kisan divas	3	800	100	900	-	-	-	25	10	35
Exhibition	2	2500	550	3050	-	-	-	70	35	105
Film Show	3	150	0	150	-	-	-	5	0	5
Method Demonstrations	3	50	0	50	-	-	-	2	0	2
Farmers Seminar	-	-	-	-	-	-	-	-	-	-
National conference	2	440	100	540	-	-	-	50	25	75
Group meetings	-	-	-	-	-	-	-	-	-	-
Lectures delivered as resource persons	3	700	50	750	-	-	-	50	20	70
Newspaper coverage	1	-	-	-	-	-	-	-	-	-
Radio talks	1	-	-	-	-	-	-	-	-	-
TV talks	-	-	-	-	-	-	-	-	-	-
Publication	6	-	-	-	-	-	-	-	-	-
Popular articles	2	-	-	-	-	-	-	-	-	-
Extension Literature	12	1340	170	1510	-	-	-	32	5	37
Advisory Services/ Helpline services	99	82	0	82	-	-	-	17	0	17
Scientific visit to farmers field	4	10	0	10	-	-	-	5	0	5
Farmers visit to KVK	62	69	0	69	-	-	-	5	0	5
Field visit	79	147	33	180	-	-	-	34	0	34
Diagnostic visits	18	24	3	27	-	-	-	5	3	8
Exposure visits	02	30	-	30	-	-	-	5	0	5
Ex-trainees Sammelan	-	-	-	-	-	-	-	-	-	-
Soil health Camp	-	-	-	-	-	-	-	-	-	-
Animal Health Camp	3	190	100	290	-	-	-	16	7	23
Agri mobile clinic	-	-	-	-	-	-	-	-	-	-
Soil test campaigns	-	-	-	-	-	-	-	-	-	-
Farm Science Club Conveners meet	-	-	-	-	-	-	-	-	-	-
Self Help Group Campaigns	3	200	300	500	-	-	-	4	0	4
MahilaMandals Conveners meetings	-	-	-	-	-	-	-	-	-	-
Celebration of important days (world food day)	1	40	16	56	-	-	-	2	0	2
Technological week	1	280	20	300	-	-	-	15	5	20
Any Other (Visit to line departments)	35	0	0	0	-	-	-	50	10	60
Any other (PRA/Survey)	4	92	26	118	-	-	-	14	0	14
Any other (AV aids developed)	16	-	-	-	-	-	-	-	-	-
Annual technical meet	5	-	-	-	-	-	-	-	-	-
Bimonthly workshops	2	-	-	-	-	-	-	100	40	140
Workshop	1	5	-	5	-	-	-	20	10	30
<b>Total</b>	<b>382</b>	<b>9929</b>	<b>2528</b>	<b>12457</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>736</b>	<b>272</b>	<b>1008</b>

**PART IX – PRODUCTION OF SEED, PLANT AND LIVESTOCK MATERIALS**

## 9.A. Production of seeds by the KVKs: Nil

Crop category	Name of the crop	Variety	Hybrid	Quantity of seed (qtl)	Value (Rs)	Number of farmers to whom provided
Cereals (crop wise)	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-
Pulses	-	-	-	-	-	-
Commercial crops	-	-	-	-	-	-
Vegetables	-	-	-	-	-	-
Flower crops	-	-	-	-	-	-
Spices	-	-	-	-	-	-
Fodder crop seeds	-	-	-	-	-	-
Fiber crops	-	-	-	-	-	-
Forest Species	-	-	-	-	-	-
Others (specify)	-	-	-	-	-	-
Total	-	-	-	-	-	-

## 9.B. Production of planting materials by the KVKs: Nil

Crop category	Name of the crop	Variety	Hybrid	Number	Value (Rs.)	Number of farmers to whom provided
Commercial	-	-	-	-	-	-
Vegetable seedlings	-	-	-	-	-	-
Fruits	-	-	-	-	-	-
Ornamental plants	-	-	-	-	-	-
Medicinal and Aromatic	-	-	-	-	-	-
Plantation	-	-	-	-	-	-
Spices	-	-	-	-	-	-
Tuber	-	-	-	-	-	-
Fodder crop saplings	-	-	-	-	-	-
Forest Species	-	-	-	-	-	-
Others(specify)	-	-	-	-	-	-
Total	-	-	-	-	-	-

## 9.C. Production of Bio-Products: Nil

Bio Products	Name of the bio-product	Quantity Kg	Value (Rs.)	Number of farmers to whom provided
Bio Fertilizers	-	-	-	-
Bio-pesticide	-	-	-	-
Bio-fungicide	-	-	-	-
Bio Agents	-	-	-	-
Others (specify)	-	-	-	-
Total	-	-	-	-

## 9.D. Production of livestock materials: Nil

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	Number of farmers to whom provided
Dairy animals	-	-	-	-
Cows	-	-	-	-
Buffaloes	-	-	-	-
Calves	-	-	-	-
Others (Pl. specify)	-	-	-	-
Poultry	-	-	-	-
Broilers	-	-	-	-
Layers	-	-	-	-
Duals (broiler and layer)	-	-	-	-
Japanese Quail	-	-	-	-
Turkey	-	-	-	-
Emu	-	-	-	-
Ducks	-	-	-	-
Others (Pl. specify)	-	-	-	-
Piggery	-	-	-	-
Piglet	-	-	-	-
Others (Pl.specify)	-	-	-	-
Fisheries	-	-	-	-
Fingerlings	-	-	-	-
Others (Pl. specify)	-	-	-	-
Total	-	-	-	-

**PART X – PUBLICATION, SUCCESS STORY, SWTL, TECHNOLOGY WEEK AND DROUGHT MITIGATION**

10. A. Literature Developed/Published (with full title, author & reference)

(A) KVK News Letter : Published 2 issues

Date of start	Periodicity	Number of copies printed	number of copies distributed
August 2013	Half yearly	1000	800

(B) Literature developed/published

Item	Title	Authors name	Number
Research papers	Study on shelf life of chocolate from elite cowpea genotypes (Vigna unguiculata Walp)-A value added product. Environment and Ecology (Under press )	Deepa Terdalanda Usha Ravindra	1
Review article			1
National Conference on Value chain management in Mango	Integrated pest management approaches for mango ecosystems	A.R.V Kumar, Doddabasappa.B and Thulasi Ram, K	
Technical reports	-	-	
News letters	KVK Newsletter (2)	All KVK staff	1000
Technical bulletins			
Popular articles			
Extension literature (Folders-12)	Togaribeleyaadunikabesayapaddatti	Premalatha M.Shivanna K.Thulasi Ram	1000
	Ragibeleyaadunikabesayapaddatti	Premalatha K.Thulasi Ram M.Shivanna	1000
	Maavubeleyaadunikabesayapaddatti	K.Thulasi Ram V.Nachegouda M.Shivanna	1000
	Hasirumaneyalligulabibesayapaddatti	B.N. Maruti Prasad Rajesh. A.M	1000
	Totagarikabelegalalliposhakamsaodagisuvajavikagobbaragalu	T.H.Shakarappa M.Shivanna	1000
	Hasirumaneyalljarberabesayapaddatti	B.N. Maruti Prasad Rajesh. A.M	1000
	Nuggebeleyaadunikabesayapaddatti	M.Shivanna V.Nachegouda	1000
	Totagarikebelegallimannumaritegeyuvavidhanamattumannu parikshe	M.Shivanna T.H.Shakarappa V.Nachegouda	1000
	Chippuanabebesaya	T.H.Shakarappa	1000
	Tomato beleyaliadunikabesayakramagalu	Amarnajundeshwar Aravind Kumar J.H	1000
	Alugaddebeleyaadunikabesayakramagalu	Aravind Kumar J.H Amarnajundeshwar	1000
	Maavu beleya pramukha keeta mattu rogakala samagra nirvahane	K.Thulasi Ram B.Anjaneya Reddy	1000
Others (Abstracts) 1. National conference on sericulture for livelihood security	Studies on biochemical constituents of S36 mulberry (Morus indica L.) as influenced by organic based nutritional management and its impact on silkworm (B.mori L.) bio-assay	K.R. Shashidhar, T.K.Narayanswamy, R.N.Bhaskar, S. Chandrashekar and M.A. Shankar	1
	Effect of certain botanicals on commercial trials of silkworm (B.mori L.)	R. Raganatha, N. Chandramohan, .K.R. Shashidhar,R. Muralidhar and S. Chandrashekar	1

2. National Conference on Value chain management in Mango	By product utilization of mango as a source of antioxidants	DeepaTerdal, Tulasi Ram K, Shashidhar. K.R. And NoorullaHaveri	1
	Scenario of powdery mildew and hoppers in major mango growing areas of Kolar, Karnataka	NoorullaHaveri, Ajaneya Reddy, Thulasi Ram K,	1
TOTAL			12006

## 10.B. Details of Electronic Media Produced

S. No.	Type of media (CD / VCD / DVD/ Audio-Cassette)	Title of the programme	Number
-	-	-	-

10.C. Success Stories / Case studies, if any (two or three pages write-up on each case with suitable action photographs. The Success Stories / Case Studies need not be restricted to the reporting period).

The Broad outline for the case study may be

Title

Background

Interventions

Process

Technology

Impact

Horizontal Spread

Economic gains

Employment Generation

10.D. Give details of innovative methodology or innovative technology of Transfer of Technology developed and used during the year

10.E. Give details of indigenous technology practiced by the farmers in the KVK operational area which can be considered for technology development (in detail with suitable photographs)

S. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK

10.F. Indicate the specific training need analysis tools/methodology followed for

- Identification of courses for farmers/farm women: Discussion with farmers, extension functionaries
- Rural Youth
- Inservice personnel: Discussion with farmers, extension functionaries

10.G. Field activities

- i. Number of villages adopted
- ii. No. of farm families selected:
- iii. No. of survey/PRA conducted: 4

10.H. Activities of Soil and Water Testing Laboratory: Nil

Status of establishment of Lab : Yet to establish

1. Year of establishment : --
2. List of equipments purchased with amount : --

Sl. No	Name of the Equipment	Qty.	Cost
1	-	-	-
2	-	-	-
3	-	-	-
Total			

Details of samples analyzed so far since establishment of SWTL: Nil

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages	Amount realized (Rs.)
Soil Samples	-	-	-	-
Water Samples	-	-	-	-
Plant samples	-	-	-	-
Manure samples	-	-	-	-
Others (specify)	-	-	-	-
Total	-	-	-	-

Details of samples analyzed during the 2013-14: Nil

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages	Amount realized (Rs.)
Soil Samples	-	-	-	-
Water Samples	-	-	-	-
Plant samples	-	-	-	-
Manure samples	-	-	-	-
Others (specify)	-	-	-	-
Total	-	-	-	-

#### 10.I. Technology Week celebration during 2013-14 : Yes

Period of observing Technology Week : From 17.01.2014 to 21.01.2014

Total number of farmers visited : 280

Total number of agencies involved : 4

Number of demonstrations visited by the farmers within KVK campus: Took farmers to pomegranate orchard, protected vegetable and ornamental crops of progressive farmers

#### Other Details

Types of Activities	No. of Activities	Number of Farmers	Related crop/livestock technology
Gosthies	-	-	-
Lectures organized	-	-	-
Exhibition	-	-	-
Film show	10	300	
Fair			
Farm Visit	02	30	
Diagnostic Practical's	-	-	-
Supply of Literature (No.)	-	-	-
Supply of Seed (q)	-	-	-
Supply of Planting materials (No.)	-	-	-
Bio Product supply (Kg)	-	-	-
Bio Fertilizers (q)	-	-	-
Supply of fingerlings	-	-	-
Supply of Livestock specimen (No.)	-	-	-
Total number of farmers visited the technology week	05	300	-





### PART XI. IMPACT

11.A. Impact of KVK activities (Not to be restricted for reporting period).

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)
-	-	-	-	-

NB: Should be based on actual study, questionnaire/group discussion etc. with ex-participants.

11.B. Cases of large scale adoption  
(Please furnish detailed information for each case)

11.C. Details of impact analysis of KVK activities carried out during the reporting period

### PART XII - LINKAGES

12.A. Functional linkage with different organizations

Name of organization	Nature of linkage
KSDA	Training programmes, diagnostic field visits, surveys, meetings etc
KSDH	Training programmes, diagnostic field visits, surveys, meetings etc
Veterinary & Animal husbandary	Training programmes, diagnostic field visits, surveys, meetings etc
Sericulture	Training programmes, diagnostic field visits, surveys, meetings etc
Karnataka Milk Federation	Training programmes, diagnostic field visits, surveys, meetings etc
Dept. of Fisheries	Meetings etc

NB The nature of linkage should be indicated in terms of joint diagnostic survey, joint implementation, participation in meeting, contribution received for infrastructural development, conducting training programmes and demonstration or any other

12.B. List Externally Funded Projects / schemes undertaken by the KVK and operational now, which have been financed by State Govt./Other Agencies

Name of the scheme	Role of KVK	Date/ Month of initiation	Funding agency	Amount (Rs.)
-	-	-	-	-

## 12.C. Details of linkage with ATMA

a) Is ATMA implemented in your district Yes

If yes, role of KVK in preparation of SREP of the district?

KVK is actively involved in preparation of second phase of SREP of Kolar district and other programmes like trainings, field days, FFS etc.

## Coordination activities between KVK and ATMA during 2013-14

S. No.	Programme	Particulars	No. of programmes attended by KVK staff	No. of programmes Organized by KVK	Other remarks (if any)
01	Meetings	Preliminary meeting of SREP Action plan meeting of ATMA Finalization of SREP	5	2	-
02	Research projects	-	-	-	-
		-	-	-	-
03	Training programmes	Preparation of SREP	1		
		-	-	-	-
04	Demonstrations	-	-	-	-
		-	-	-	-
05	Extension Programmes	-	-	-	-
	KisanMela	Dist. Flower show & KisanDiwas	2	1	
	Technology Week	-	-	1	-
	Exposure visit	-	-		-
	Exhibition	-	2		
	Soil health camps	-	-	-	-
	Animal Health Campaigns	-	2	-	-
	Others (Pl. specify)	-	-	-	-
06	Publications	-	-	-	-
	Video Films	-	-	-	-
	Books	-	-	-	-
	Extension Literature	-	-	-	-
	Pamphlets	-	-	-	-
	Others (Pl. specify)	-	-	-	-
07	Other Activities (Pl. specify)	-	-	-	-
	Watershed approach	-	-	-	-
	Integrated Farm Development	-	-	-	-
	Agripreneurs development	-	-	-	-
		-	-	-	-





**PART XIV - FINANCIAL PERFORMANCE**

14.A. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Branch code	Account Name	Account Number	MICR Number	IFSC Number
With Host Institute							
With KVK	State Bank of India	Kolar	6029	Programme coordinator	32923040460	563002101	SBIN0006029

14.B. Utilization of KVK funds during the year 2013-14(Rs. in lakh)

S. No.	Particulars	Sanctioned	Released	Expenditure
<b>A. Recurring Contingencies</b>				
1	Pay & Allowances	3900000	3900000	3831504
2	Traveling allowances	34000	34000	27419
3	Contingencies			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	76000	76000	67613
B	POL, repair of vehicles, tractor and equipments	103000	103000	102006
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	47000	47000	46765
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	100000	100000	99939
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	149000	149000	149031
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	7000	7000	6641
G	Training of extension functionaries	5000	5000	3900
H	Maintenance of buildings	--	--	--
I	Establishment of Soil, Plant & Water Testing Laboratory	--	--	--
J	Library	39000	39000	37830
k	Extension activities	50000	50000	49547
L	Farmers field school	5000	5000	4531
<b>TOTAL (A)</b>				
<b>B. Non-Recurring Contingencies</b>		4515000	4515000	4426726
1	Works	-	-	-
2	Equipments including SWTL & Furniture	-	-	-
3	Vehicle (Four wheeler/Two wheeler, please specify)	920000	920000	779651
4	Library (Purchase of assets like books & journals)	-	-	-
<b>TOTAL (B)</b>		920000	920000	779651
<b>C. REVOLVING FUND</b>		-	-	-
<b>GRAND TOTAL (A+B+C)</b>		5435000	5435000	5206377

14.C. Status of revolving fund (Rs. in lakh) for the three years: Yet to initiate

Year	Opening balance as on 1 <sup>st</sup> April	Income during the year	Expenditure during the year	Net balance in hand as on 1 <sup>st</sup> April of each year
April 2011 to March 2012	-	-	-	-
April 2012 to March 2013	-	-	-	-
April 2013 to March 2014	-	-	-	-

## 15. Details of HRD activities attended by KVK staff during 2013-14

Name of the staff	Designation	Title of the training programme	Institute where attended	Dates
Dr.Shashidhar K.R.	SMS(Seric)	National Conference on sericulture for livelihood security	Sericulture College,UAS(B) Chintamani	29-31Jan.2014
NoorullaHaveri	SMS(Plant Prot.)	Zonal level sensitization workshop on FMD	IVRI, RS, Hebbal, Bengaluru	01.02.2014
All KVK Staff	SMS (Home Sci),	National conference on value chain management in mango	UHS,B HRS,Hogalagere	20-22 March, 2014

16. Please include any other important and relevant information which has not been reflected above (write in detail).

# SUMMARY FOR 2013-14

## I. TECHNOLOGY ASSESSMENT

Summary of technologies assessed under various crops

Thematic areas	Crop	Name of the technology assessed	No. of trials
Integrated Nutrient Management	-	-	-
	-	-	-
Varietal Evaluation	-	-	-
	-	-	-
Integrated Pest Management	-	-	-
	-	-	-
Integrated Crop Management	-	-	-
	-	-	-
Integrated Disease Management	Tomato	Integrated management of late blight of tomato	02
	-	-	-
Small Scale Income Generation Enterprises	-	-	-
	-	-	-
Weed Management	-	-	-
	-	-	-
Resource Conservation Technology	-	-	-
	-	-	-
Farm Machineries	-	-	-
	-	-	-
Integrated Farming System	-	-	-
	-	-	-
Seed / Plant production	-	-	-
	-	-	-
Value addition	-	-	-
	-	-	-
Drudgery Reduction	-	-	-
	-	-	-
Storage Technique	-	-	-
	-	-	-
Others (Pl. specify)	-	-	-
	-	-	-
Total			02

Summary of technologies assessed under livestock

Thematic areas	Name of the livestock enterprise	Name of the technology assessed	No. of trials
Disease Management	-	-	-
Evaluation of Breeds	-	-	-
Feed and Fodder management	-	-	-
Nutrition Management	-	-	-
Production and Management	-	-	-
Others (Pl. specify)	-	-	-
Total			-





## II. TECHNOLOGY REFINEMENT

### Summary of technologies refined under various crops

Thematic areas	Crop	Name of the technology refined	No. of trials
Integrated Nutrient Management	-	-	-
	-	-	-
Varietal Evaluation	-	-	-
	-	-	-
Integrated Pest Management	-	-	-
	-	-	-
Integrated Crop Management	-	-	-
	-	-	-
Integrated Disease Management	-	-	-
	-	-	-
Small Scale Income Generation Enterprises	-	-	-
	-	-	-
Weed Management	-	-	-
	-	-	-
Resource Conservation Technology	-	-	-
	-	-	-
Farm Machineries	-	-	-
	-	-	-
Integrated Farming System	-	-	-
	-	-	-
Seed / Plant production	-	-	-
	-	-	-
Value addition	-	-	-
	-	-	-
Drudgery Reduction	-	-	-
	-	-	-
Storage Technique	-	-	-
	-	-	-
Others (Pl. specify)	-	-	-
	-	-	-
Total			-

### Summary of technologies assessed under refinement of various livestock

Thematic areas	Name of the livestock enterprise	Name of the technology refined	No. of trials
Disease Management	-	-	-
Evaluation of Breeds	-	-	-
Feed and Fodder management	-	-	-
Nutrition Management	-	-	-
Production and Management	-	-	-
Others (Pl. specify)	-	-	-
Total			-





	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Commercial	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Medicinal and aromatic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fodder	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plantation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fibre	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total		1	53	22													

\* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

\*\* BCR= GROSS RETURN/GROSS COST

## Livestock

Category	Thematic area	Name of the technology demonstrated	No. of KVKs	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
						Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Dairy	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Poultry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rabbitry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pigery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sheep and goat	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Duckery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others (pl. specify)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

\* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

\*\* BCR= GROSS RETURN/GROSS COST

## Fisheries

Category	Thematic area	Name of the technology demonstrated	No. of KVKs	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
						Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Common carps	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mussels	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ornamental fishes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others (pl. specify)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

\* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

\*\* BCR= GROSS RETURN/GROSS COST

### Other enterprises

Category	Name of the technology demonstrated	No. of KVKs	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.) or Rs./unit				*Economics of check (Rs.) or Rs./unit				
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR	
Oyster mushroom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Button mushroom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vermicompost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sericulture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Apiculture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

\* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

\*\* BCR= GROSS RETURN/GROSS COST

### Women empowerment

Category	Name of technology	No. of KVKs	No. of demonstrations	Name of observations	Demonstration	Check
Women	-	-	-	-	-	-
Pregnant women	-	-	-	-	-	-
Adolescent Girl	-	-	-	-	-	-
Other women	-	-	-	-	-	-
Children	-	-	-	-	-	-
Neonats	-	-	-	-	-	-
Infants	-	-	-	-	-	-
Children	-	-	-	-	-	-

### Farm implements and machinery

Name of the implement	Crop	Name of the technology demonstrated	No. of KVKs	No. of Farmer	Area (ha)	Filed observation (output/man hour)		% change in major parameter	Labor reduction (man days)				Cost reduction (Rs./ha or Rs./Unit ect.)					
						Demonstration	Check											
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

\* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

\*\* BCR= GROSS RETURN/GROSS COST

## Other enterprises

## Demonstration details on crop hybrids

Crop	Name of the Hybrid	No. of farmers	Area (ha)	Yield (kg/ha) / major parameter			Economics (Rs./ha)			
				Demonstration	Local check	% change	Gross Cost	Gross Return	Net Return	BCR
Cereals	-	-	-	-	-	-	-	-	-	-
Bajra	-	-	-	-	-	-	-	-	-	-
Maize	-	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-	-
Sorghum	-	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-	-
Castor	-	-	-	-	-	-	-	-	-	-
Mustard	-	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-	-	-	-	-
Groundnut	-	-	-	-	-	-	-	-	-	-
Soybean	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	-	-	-	-
Greengram	-	-	-	-	-	-	-	-	-	-
Blackgram	-	-	-	-	-	-	-	-	-	-
Bengalgram	-	-	-	-	-	-	-	-	-	-
Redgram	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
Vegetable crops	-	-	-	-	-	-	-	-	-	-
Bottle gourd	-	-	-	-	-	-	-	-	-	-
Capsicum	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
Cucumber	-	-	-	-	-	-	-	-	-	-
Tomato	1030	5	2	630.00	517.50	21.73	170550	693000	522450	4.06
Brinjal	-	-	-	-	-	-	-	-	-	-
Okra	-	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-	-
Potato	-	-	-	-	-	-	-	-	-	-
Field bean	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Cabbage	Unnati	3	1	583.20	508.20	14.75	101250	174960	73710	1.72









Carp fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-	-	-
Hatchery management and culture of freshwater prawn	-	-	-	-	-	-	-	-	-	-
Breeding and culture of ornamental fishes	-	-	-	-	-	-	-	-	-	-
Portable plastic carp hatchery	-	-	-	-	-	-	-	-	-	-
Pen culture of fish and prawn	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Edible oyster farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Fish processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-
<b>Production of Inputs at site</b>										
Seed Production	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Bio-agents production	-	-	-	-	-	-	-	-	-	-
Bio-pesticides production	-	-	-	-	-	-	-	-	-	-
Bio-fertilizer production	-	-	-	-	-	-	-	-	-	-
Vermi-compost production	-	-	-	-	-	-	-	-	-	-
Organic manures production	-	-	-	-	-	-	-	-	-	-
Production of fry and fingerlings	-	-	-	-	-	-	-	-	-	-
Production of Bee-colonies and wax sheets	-	-	-	-	-	-	-	-	-	-
Small tools and implements	-	-	-	-	-	-	-	-	-	-
Production of livestock feed and fodder	-	-	-	-	-	-	-	-	-	-
Production of Fish feed	-	-	-	-	-	-	-	-	-	-
Mushroom production	-	-	-	-	-	-	-	-	-	-
Apiculture	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
<b>CapacityBuilding and Group Dynamics</b>										
Leadership development	-	-	-	-	-	-	-	-	-	-
Group dynamics	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-
Mobilization of social capital	-	-	-	-	-	-	-	-	-	-
Entrepreneurial development of farmers/youths	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Agro-forestry	-	-	-	-	-	-	-	-	-	-
Production technologies	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Farming Systems	-	-	-	-	-	-	-	-	-	-
Others (Pl. specify)	-	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>6</b>	<b>136</b>	<b>-</b>	<b>136</b>	<b>26</b>	<b>-</b>	<b>26</b>	<b>162</b>	<b>-</b>	<b>162</b>







Production of Inputs at site	-	-	-	-	-	-	-	-	-	-
Seed Production	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Bio-agents production	-	-	-	-	-	-	-	-	-	-
Bio-pesticides production	-	-	-	-	-	-	-	-	-	-
Bio-fertilizer production	-	-	-	-	-	-	-	-	-	-
Vermi-compost production	-	-	-	-	-	-	-	-	-	-
Organic manures production	-	-	-	-	-	-	-	-	-	-
Production of fry and fingerlings	-	-	-	-	-	-	-	-	-	-
Production of Bee-colonies and wax sheets	-	-	-	-	-	-	-	-	-	-
Small tools and implements	-	-	-	-	-	-	-	-	-	-
Production of livestock feed and fodder	-	-	-	-	-	-	-	-	-	-
Production of Fish feed	-	-	-	-	-	-	-	-	-	-
Mushroom production	-	-	-	-	-	-	-	-	-	-
Apiculture	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
CapacityBuilding and Group Dynamics	-	-	-	-	-	-	-	-	-	-
Leadership development	-	-	-	-	-	-	-	-	-	-
Group dynamics	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-
Mobilization of social capital	-	-	-	-	-	-	-	-	-	-
Entrepreneurial development of farmers/youths	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Agro-forestry	-	-	-	-	-	-	-	-	-	-
Production technologies	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Farming Systems	-	-	-	-	-	-	-	-	-	-
Others (Pl. specify)	-	-	-	-	-	-	-	-	-	-
Sericulture	1	30	-	30	-	-	-	30	-	30
TOTAL	21	661	30	691	251	10	261	912	40	952









## Training programmes for Extension Personnel including sponsored training programmes (off campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient management	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-
Protected cultivation technology	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-
Care and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-
Women and Child care	2	-	69	69	-	20	20	-	89	89
Low cost and nutrient efficient diet designing	1	-	47	47	-	-	-	-	47	47
Group Dynamics and farmers organization	-	-	-	-	-	-	-	-	-	-
Information networking among farmers	-	-	-	-	-	-	-	-	-	-
Capacity building for ICT application	-	-	-	-	-	-	-	-	-	-
Management in farm animals	-	-	-	-	-	-	-	-	-	-
Livestock feed and fodder production	-	-	-	-	-	-	-	-	-	-
Household food security	-	-	-	-	-	-	-	-	-	-
Any other (pl.specify)	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>3</b>		<b>116</b>	<b>116</b>		<b>20</b>	<b>20</b>		<b>136</b>	<b>136</b>





## V. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
Advisory Services /Help line	99	82	17	99
Diagnostic visits	18	27	08	35
Field Day	05	270	10	280
Group discussions	-	-	-	-
KisanGhoshi	02	70	02	72
Film Show	03	150	05	155
Self -help groups' Campaign	03	500	04	504
KisanMela	02	3500	300	3800
Exhibition	02	3050	105	3155
Scientists' visit to farmers field	04	10	05	15
Animal health camps	03	290	23	313
Farm Science Club	-	-	-	-
Ex-trainees Sammelan	-	-	-	-
Farmers' seminar/workshop	-	-	-	-
Method Demonstrations	03	50	2	52
Celebration of important days	01	56	2	58
Special day celebration	-	-	-	-
Exposure visits	02	30	05	35
Others (AV Aids developed)	16	-	-	-
Any other (PRA/Survey)	04	118	14	132
KisanDiwas	03	900	35	935
Extension literature distributed	12	1510	37	1547
Farmers visit to KVK	62	69	05	74
Technology week	01	300	20	320
Any other (visit to line departments)	35	-	60	60
Lectures delivered as resource person	03	750	70	820
Field visits	79	180	34	214
National Conference	02	540	75	615
Bi-monthly workshops	02	-	140	140
Annual technical meeting	05	-	-	-
Workshops	01	5	30	35
<b>Total</b>	<b>372</b>	<b>12457</b>	<b>1008</b>	<b>13465</b>

### Details of other extension programmes

Particulars	Number
Electronic Media	-
Extension Literature (Folders)	12
News Letter	02
Newspaper coverage	01
Technical Articles	-
Technical Bulletins	-
Technical Reports	-
Radio Talks	01
TV Talks	-
Animal health camps (Number of animals treated) (3 camps)	622
Others (popular articles)	02
Publications	06
<b>Total</b>	<b>646</b>

## VI. PRODUCTION OF SEED/PLANTING MATERIAL

### Production of seeds by the KVKs

Crop category	Name of the crop	Name of the variety (if hybrid pl. specify)	Quantity of seed (q)	Value (Rs)	Number of farmers
Cereals	-	-	-	-	-
Oilseeds	-	-	-	-	-
Pulses	-	-	-	-	-
Commercial crops	-	-	-	-	-
Vegetables	-	-	-	-	-
Flower crops	-	-	-	-	-
Spices	-	-	-	-	-
Fodder crop seeds	-	-	-	-	-
Fiber crops	-	-	-	-	-
Forest Species	-	-	-	-	-
Others	-	-	-	-	-
Total	-	-	-	-	-

### Production of planting materials by the KVKs

Crop category	Name of the crop	Name of the variety (if hybrid pl. specify)	Number	Value (Rs.)	Number of farmers
Commercial	-	-	-	-	-
Vegetable seedlings	-	-	-	-	-
Fruits	-	-	-	-	-
Ornamental plants	-	-	-	-	-
Medicinal and Aromatic	-	-	-	-	-
Plantation	-	-	-	-	-
Spices	-	-	-	-	-
Tuber	-	-	-	-	-
Fodder crop saplings	-	-	-	-	-
Forest Species	-	-	-	-	-
Others	-	-	-	-	-
Total	-	-	-	-	-

### Production of Bio-Products

Bio Products	Name of the bio-product	Quantity	Value (Rs.)	No. of Farmers
		Kg		
Bio Fertilizers	-	-	-	-
Bio-pesticide	-	-	-	-
Bio-fungicide	-	-	-	-
Bio Agents	-	-	-	-
Others	-	-	-	-
Total	-	-	-	-

## Production of livestock and related enterprise materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers
Dairy animals	-	-	-	-
Cows	-	-	-	-
Buffaloes	-	-	-	-
Calves	-	-	-	-
Others (Pl. specify)	-	-	-	-
Poultry	-	-	-	-
Broilers	-	-	-	-
Layers	-	-	-	-
Duals (broiler and layer)	-	-	-	-
Japanese Quail	-	-	-	-
Turkey	-	-	-	-
Emu	-	-	-	-
Ducks	-	-	-	-
Others (Pl. specify)	-	-	-	-
Piggery	-	-	-	-
Piglet	-	-	-	-
Others (Pl. specify)	-	-	-	-
Fisheries	-	-	-	-
Fingerlings	-	-	-	-
Others (Pl. specify)	-	-	-	-
Total	-	-	-	-

## VII. DETAILS OF SOIL, WATER AND PLANT ANALYSIS 2013-14

Samples	No. of Samples	No. of Farmers	No. of Villages	Amount realized (Rs.)
Soil	-	-	-	-
Water	-	-	-	-
Plant	-	-	-	-
Manure	-	-	-	-
Others (pl. specify)	-	-	-	-
Total	-	-	-	-

## VIII. SCIENTIFIC ADVISORY COMMITTEE

Number of SACs conducted	01
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## IX. NEWSLETTER

Number of issues of newsletter published	02
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## X. RESEARCH PAPER PUBLISHED

Number of research paper published	06
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## XI. DETAILS ON RAIN WATER HARVESTING STRUCTURE AND MICRO-IRRIGATION SYSTEM

Activities conducted				
No. of Training programmes	No. of Demonstration s	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

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