KRISHI VIGYAN KENDRA, HAVERI (DISTRICT NAME)

ANNUAL REPORT -2017-18

(FOR THE PERIOD FROM 01 APRIL 2017 TO 31 MARCH 2018)

ICAR, Krishi Vigyan Kendra, Hanumanamatti-581115, Tq: Ranebennur,
Dist: Haveri, Karnataka state
and
University of Agricultural Sciences, Krishinagar, Dharwad-580005
www.uasd.edu

GENERAL INSTRUCTIONS

Please read the instructions very carefully before starting preparation of the report

- Annual report is the most important document for the KVK and it directly reflects the overall achievements pertaining to the reported period. Hence due care need to be given by each KVK while preparing the report.
- Period of Report is from 01April 2017 to 31 March 2018
- Action photographs with relevant captions covering various activities of the KVK in High resolution should be submitted separately in a CD/DVD along with this report.
- Prepare Summary tables carefully tallying with the relevant portions of the main report on all aspects.
- Retain the blank column and rows as such and do not merge the cells. Please specify NIL, wherever not applicable or details are not available.
- Check the names of varieties and hybrids and specify in the report.
- Check the units and totals of each data table
- Extension activity under celebrations for each important day, please insert separate rows and give appropriate data separately. Clubbing of data should be avoided.
- Success stories/case studies should be supported with data tables, graphs and photos.

PART I - GENERALINFORMATION ABOUT THE KVK

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

KVK Address	Telephone		E mail	Web Address
	Office	Fax		
Krishi Vigyan Kendra	08373-	08373-	kvk_haveri@rediffmail.com	www.kvkhaveri.org
Hanumanamatti-581115	253524	253524	kvk.Haveri@icar.gov.in	
Tq: Ranebennur, Dist: Haveri			_	

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

- · · · · · · · · · · · · · · · · · · ·		· r · · · · · · · · · · · · · · · · · ·		
Address	Telephone		E mail	Web Address
	Office	Fax		
University of Agricultural Sciences	0836-	0836-	vc_uasd@rediffmail.com	www.uasd.edu
Krishinagar, Dharwad-580005	2447783	2745276		

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

Name	Telephone / Contact				
	Residence	Mobile	Email		
Dr. Ashoka P	9482071182	9448495338	ashokap@uasd.edu		

1.4. Year of sanction: 1977

1.5. Staff position as on 31 March 2018

1.5	. Stair posi	tion as on 31	March 2018								
SI . N o.	Sanctio ned post	Name of the incumben t	Designati on	M / F	Discipli ne	Highest Qualific ation (for PC, SMS and Prog. Asstt.)	Pay Scale	Bas ic pay	Date of joini ng KV K	Perm anent /Tem porar y	Category (SC/ST/ OBC/ Others)
1	Head/Se nior Scientist	Ashoka P	Senior Scientist & Head	M	Agrono my	Ph.D, PGDNF	37400- 61000	464 00	03.0 2.18	Perm anent	ST
2	Scientist /SMS	K. P. Gundanna var	Ag. Entomolo gy	M	Ag. Entomo logy	Ph.D	37400- 61000	237 20	05.0 6.17	Perm anent	Other
3	Scientist /SMS	Shivamur uthy D	Agronom y	M	Agrono my	Ph.D	15600- 39100	248 40	20.0 2.18	Perm anent	Others
4	Scientist /SMS	Harish D. K	Horticultu re	M		M.Sc.	37400- 61000	216 00	04.0 4.17	Perm anent	SC
5	Scientist /SMS	Venkanna Balaganur	Animal Science	M	Animal Science	Ph.D	15600- 39100	228 40	24.0 7.17	Perm anent	OBC
6	Scientist /SMS	Kumara B H	Soil Science	M	Soil Science	Ph.D	15600- 39100	248 40	31.0 3.18	Perm anent	Others
7	Scientist /SMS	Vacant	Ag. Extn.	-	-	-	-	-	-	-	-
8	Program me Assistant (Lab Tech.)	Kishna Naik L	Programm e Assistant (Lab)	M	Ag. Entomo logy	M.Sc.	9300- 34800	101 25	09.0 5.17	Perm anent	SC
9	Program me Assistant (Comput er)	Rekha K. N.	Prog. Asst. (Compute r)	F	Comput er Science	M.Sc.	9300- 34800	134 50	12.1 1.08	Perm anent	OBC
10	Program me Assistant / Farm	Kallesh D T	Farm Manager	M	Pl. Breedin g	M.Sc.	9300- 34800	114 70	14.0 7.16	Perm anent	Others

	Manager									
11	Assistant	Kavita S Lohar	Assistant	F		16000- 29600	168 00	23.0 7.15	Perm anent	OBC
12	Jr. Stenogra pher	Vacant	-	-			00	-	-	-
13	Driver -	Santhosh L Naik	Driver (LMV)	M		11600- 21000	122 50	02.0 4.18	Perm anent	ST
14	Driver -	Vacant	-	-		=		-	-	-
15	SS-1	K. B. Belakeri	Supportin g staff Grade-II	M		10400- 16400	141 50	01.0 7.02	Perm anent	OBC
16	SS-2	Vacant	-	-		i	-	-	-	-

1.6. Total land with KVK (in ha):20 ha

S. No.	Item	Area (ha)
1	Under Buildings	2.20
2.	Under Demonstration Units	0.10
3.	Under Crops	16.20
4.	Orchard/Agro-forestry	1.60
5.	Others	-

1.7. Infrastructural Development:

A) Buildings

		Source			Stag	e		
S.	Name of	of		Complete			Incomp	lete
No.	building	funding	Completion Date	Plinth area (Sq.m)	Expenditure (Lakhs)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	1999	400	27.93			
2.	Farmers Hostel	ICAR	2004	305	22.63			
3.	Staff Quarters 1	ICAR	2007	399	39.68			
	3							
	5							
4.	6 Demonstration Units							
	1 2 3							
_	4							
6	Fencing Rain Water harvesting system	ICAR	31.01.2008	985.96	9.11			
7	Threshing floor							
8	Farm godown							
10								

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Bolero ZLX-KA 27 N-0845	2016	7,31,504 (25063 Insurance)	49530	Good
Motor cycle Bajaj CT-100 KA 27/ K8673	2005	40,000	34106	Not in working condition
Tractor and Trailer New Holland Ford 3230	2005	5,00,000	383.6 (hrs)	Good
Motor cycle Bajaj CT-100 KA 27/L4836	2006	40,000	32249	Not in working condition

C) Equipment & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Balaram Negilu	2017	800	Good
Kula – Bolt	2017	250	Good
Shakti CDN battery(2 in 1) chemical Sprayer	2017	3200	Good
Steel Oil Can(Milk can-20lit capacity)	2017	1938	Good
Generator (Honda brand)	2018	45000	Good
Computer tables	2018	8600	Good
Reception table with granet top	2018	14955	Good
Executive chairs	2018	56000	Good

1.8. Details of SAC meeting conducted during 2017-18

Date	Number of Participants	Salient Recommendations	Action taken	Remarks, if any
06.06.2017	40	Awareness regarding borewell recharge has to be created through farmers programme	Awareness regarding borewell recharge was conducted during TOT programmes and world soil health day	
		The activities of KVK should be well documented and uploaded to KVK website and portal	Updating the information to web site and portal.	
		Collect information on tree based sericulture cultivation in Haveri district	Information available during end of the year	
		Hebbevu (Malabar Neem) cultivation has to be taken up at KVK land in collaboration with Department of Social forestry	Department of Social forestry has accepted to supply Malabar neem seedlings free of cost during rainy season	
		Details of Machineries available under Yantradhare scheme have to be collected and made available to the farming community in the form of pamphlets and same has to be uploaded to KVK Website	Information has been collected and pamphlets will published during 2018-19	
		The details of implemented programmes by KVK has to	Action has been taken up by involving them in	

be made available to all line	implementation of KVK
department and whenever	programmes
necessary extension works	
from those departments have	
to be invited for such activities	
Scientists have to write one	Action has been taken up.
popular article every month	retion has seen taken up.
published should be presented	
during next SAC	
The Soil and water testing	Total 2442 soil sample has been
laboratory should test	analysed and 441 soil health
minimum of 3000 samples and	card distributed & 1630 water
distribute soil health card for	sample has been tested. (as on
them	17.02.2018)
Programmes on fodder	Fodder cafeteria has been
cafeteria, Hydroponics unit,	established.
availability of fodder etc.,	
should be formulated further	
on hydroponic unit has to be	
established for continuous	
supply of green fodder	
Totally 1000 new Krishi	Subscriptions have to be made.
munnade subscriptions have to	
be made.	
Arrange farmers and bankers	Taken up during May-2018
interface meeting	
Training calendar focusing	Action has been taken up.
various KVK activities should	retion has seen taken up.
be prepared and made	
available to agriculture based	
institute	
Branding and FSSAI licensing	Taken up during 2018-19
activities should be taken up	
for value added products and	
establish market linkage	
(www. Itiha.com)	
IIHR special license has to be	We obtained quotation for
taken and initiate the	different technology developed
production under KVK	by IIHR, Bangalore, due to
revolving fund	high price we need to financial
revorving fullu	- 1
	support from university to
	purchase the same and further
D.11	activity.
Publications from KVK	Updated regularly
including manuals, pamphlets	
etc have to be uploaded to	
KVK website and portal in pdf	
format	
Training programme on	Taken up during 2018-19
Terrace gardening for Urban	F 100 6
people should be conducted on	
Payment basis.	
r ayment basis.	

PART II - DETAILS OF DISTRICT

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

S. No	Farming system/enterprise
1	Maize, Bt-cotton, Minor millets, Rabi-Sorghum, Groundnut, Sunflower, Soybean, Redgram, Green
	gram, Bengal gram, Banana, Mango, Sapota, Arecanut, Flowers crops, Dairy, Sheep, Goat, Poultry,
	Integrated farming system, Agri-silivi-horti-pasture, Silviculture etc.,

2.2 Description of Agro-climatic Zone & major agro ecological situations

S. No	Agro-climatic Zone	Characte	eristics		
1		• Tota	l geographical area is 4.85	5 lakh ha. Cultiva	ted area is 3.86 lakh ha.
	Northern Transitional	of w	hich 72,000 ha is irrigated	(13.5%).	
	zone (Zone-8)	• Rece	ives on an average 702 m	m of rainfall annu	ally mainly during June
	& Hilly zone (Zone 9)	to O	ctober. The rainfall is rece	ived in two peaks	(July & September).
			l holding pattern of the dis (48,885), 2-10 ha (19,613)		
Agro E	 cological Sub Region (ICA		Deccan Plateau, Hot Semi-Arid Eco-Region (6.4)		
	limatic Region (Planning		Southern Plateau and Hills region (X)		
Agro C	limatic Zone (NARP)		Northern Transition zone, Northern Dry zone (KA-8, KA-3)		
	the districts or part thereone NARP Zone	f falling	Dharwad, Belgaum, Hav	eri	
Geogra	phic coordinates of distric	t	Latitude	Longitude	Altitude
			14 °47'59.85"N	75°23'59.92"	630m
Name a	Name and address of the concerned ZRS/		Agricultural Research Station, Hanumanamatti – 581 135; Taluk		
ZARS/ RARS/ RRS/ RRTTS			&District: Haveri		
Mention	n the KVK located in the o	listrict	Krishi Vigyan Kendra Hanumanamatti - 581 135, Tq: Ranebennur, Dist.: Haveri		

2.3 Soil type/s

S. No	Soil type	Characteristics	Area in ha
1.	Medium to deep black soils	Depth more than 4 ft	2,44,310
		Fertile soils	
2.	Red Sandy loam Soils	Depth 1 to 2 ft	2,28,340
		Medium Fertile soils	
3.	Red Shallow Soils	Depth less than 1 ft	21,760
		Poor fertile soils	

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.	Maize	1,43,000	7,15,000	5000
2.	Cotton	72,200	72,200	1000
3.	Rice	49,300	1,01,291	2050
4.	Groundnut	18,000	36,000	2000
5.	Chick pea	6,210	4220	680
6.	Sugarcane	6,000	6,00,000	100000
7.	Soybean	5,600	11,200	2000
8.	Pigeon pea	4,500	4,500	1000
9.	Onion	1,200	30,000	20000
10.	Cabbage	300	12000	40

^{*} KSDA, Haveri

2.5 Weather data

Month	Rainfall (mm)	Temperat	ure ⁰ C	Relative Humidity (%)
		Maximum	Minimum	
April -17	38.03	39.7		49.0
May-17	99.64	38.4		56.0
June-17	41.36	36.5		87.0
July-17	72.92	32.5		81.0
August-17	67.52	33.5		77.0
September-17	190.16	31.2		71.0
October-17	117.59	32.5		63.0
November-17	10.16	32.7		65.0
December-17	0	32.5		65.0
January-18	0	33.6	14.2	56.0
February-18	0	35.8	10.5	48.0
March-18	0	37.5	17.5	52.0

Source: JDA office, Haveri

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

Category	Population	Production	Productivity
Cattle			
Crossbred	56747	24000 tones	5.63 kg milk
Indigenous	235402	26000 tones	2.1 kg milk
Buffalo	113847	32000 tones	Meat 95 kg/animal
			2.5 kg /animal/day
Sheep			
Crossbred	282	287 tones	Meat 14.63 kg/animal
Indigenous	317902		
Goats	150650	158 tones	Meat 14.24 kg/animal
Pigs	-	-	Meat 62.5 kg/animal
Crossbred	-	-	-
Indigenous	6827	2 tones	-
Rabbits	250	-	-
Poultry			
Hens	698296	Eggs 436 lakh	Egg 238 /bird/year
		Meat 247 tones	Egg 97 /Desi bird/year
Desi			
Improved			
Ducks			
Turkey and others		<u> </u>	

Category	Area	Production	Productivity
Fish	5605 ha WSA	6581.6 metric tone/ 4000ha	1.6 metric tone/ha
Marine	-	-	-
Inland	-	-	-
Prawn	-	-	-
Scampi	-	-	-
Shrimp	-	-	-

2.7 District profile has been Updated for 2017-18 - Under Progress

2.8 Details of Operational area / Villages

2.0 D	etans of Oper	rational area	/ vinages		1	T	
Sl. No.	Taluk	Name of the block	Name of the village	How long the village is covered under operational area of the KVK	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1.	Ranebennur	Ranebennur	Neshvi	One year	Cotton, maize, chilli	Low yield, Lack of awareness about new variety	ICM in foxtail millet
2.	Ranebennur	Ranebennur	Kajjari	One year	Cotton, maize, Vegetable	Labour scarcity & Drudgery	Drudgery reduction
3.	Ranebennur	Ranebennur	Halageri	One year	Maize, cotton onion	Low yield in local varieties High incidence of purple blotch & thrips	ICM in onion
4.	Ranebennur	Ranebennur	Itagi	One year	Maize, cotton onion	Low yield in local varieties High incidence of purple blotch & thrips	ICM in onion
5.	Ranebennur	Ranebennur	Medleri	One year	vine	Low yield, Incidence of wilt, Lack of knowledge of about crop management	ICM in betel vine
6.	Ranebennur	Ranebennur	Medleri	One year	Cotton, maize, chilli	Low productivity of milk due to non feeding of green fodder	Animal Husbandry
7.	Ranebennur	Ranebennur	Hullatti	One year	Cotton, maize, chilli	Scarcity of Green Fodder in Summer	Animal Husbandry
8.	Ranebennur	Ranebennur	Medleri	One year	Cotton, maize, chilli	Neonatal mortality in Small ruminants	Animal Husbandry
9.	Ranebennur	Ranebennur	Aladakatti	One year	Cotton, maize, chilli	Contamination/low quality of milk Higher incidence of mastitis	Animal Husbandry
10.	Hangal	Hangal	Adur	One year	Paddy, cotton, vegetable	Micro nutrient deficiency in paddy field area	ICM in paddy
11.	Hangal	Hangal	Arelakmapur	One year	Paddy, cotton, vegetable	Low yield, Lack of knowledge about Biofertilizer, Excess use of fertilizer, Blast disease	ICM in paddy
12.	Hangal	Hangal	Lakmapur	One year	Cotton, maize, groundnut	Low yield, Lack of awareness about new variety	ICM in Green gram
13.	Hangal	Hangal	Balambeedu	One year	Cotton, maize, groundnut	Low yield, Lack of awareness about new variety	ICM in Green gram
14.	Hangal	Hangal	Bommanahal li	One year	Mango,bana na,paddy, maize	·	ICM in mango
15.	Hirekerur	Hirekerur	Suttakoti	Two year	Cotton, maize, chilli	Lack of vegetative growth & seed filling due to deficiency of micro nutrients resulting reduced yield	INM in maize
16.	Hirekerur	Hirekerur	Masur	One year	Maize, chilli cotton	Low yield, Inferior quality of Green chilli, Disease incidence	ICM in green chilli

17.	Shiggoan	Shiggoan	Dundsi	One year	Cotton,	Low yield, Lack of	ICM in little
17.	Singgoun	Singgoun	Dunasi	One year	maize,	awareness about new	millet
					groundnut	variety	mmet
18.	Shiggoan	Shiggoan	Medli	One year	Cotton,	Low yield, Lack of	ICM in little
10.	Singgoun	Singgoun	Wiedii	One year	maize,	awareness about new	millet
					groundnut	variety	mmet
19.	Shiggoan	Shiggoan	Alalageri	One year	Cotton,	Low yield, Lack of	ICM in little
17.	Singgoun	Singgoun	1 Halagell	One year	maize,	awareness about new	millet
					groundnut	variety	1111100
20.	Shiggoan	Shiggoan	Shishuvinhal	One year	Cotton,	Low yield, Lack of	ICM in Black
	21118801111	Singgouii	Zilisiiu viiiiui	one your	maize,	awareness about new	gram
					groundnut	variety	8
21.	Byadagi	Byadagi	Angargatti,	One year	Cotton,	Lack of awareness about	Nutritional
	, ,	, ,		J	· · · · · · · · · · · · · · · · · · ·	nutrition & nutrition	security to the
					,	garden, Malnutrition,	family member
						Fluctuation in vegetable	
						prices	
22.	Byadagi	Byadagi	Kurdveerapu	One year	Cotton,	Lack of awareness about	Nutritional
	, .	, ,	r	Ĭ	maize, chilli	nutrition & nutrition	security to the
						garden, Malnutrition,	family member
						Fluctuation in vegetable	
						prices	
23.	Byadagi	Byadagi	Budapanahal	One year	Cotton,	Low yield due to use of	ICM in Rabi
			li	•	maize,	local variety	sorghum
					sorghum	Lodging and poor fodder	
						quality	
24.	Byadagi	Byadagi	Mallur,	One year	Maize,	Low yield, Incidence of	ICM in cabbage
					cotton &	Diamond back moth,	
					cabbage	Black rot,	
25.	Byadagi	Byadagi	Shankaripur	One year	Maize,	Low yield, Incidence of	ICM in cabbage
23.	Dyauagi	Dyauagi	Silalikaripul	One year	cotton &		TCIVI III Cabbage
					cabbage	Diamond back moth,	
					Cabbage	Black rot,	

2.9 Priority thrust areas

4.9	1 Hority till ust areas
S. No	Thrust area
1.	Integrated Crop Management
2.	Integrated Nutrient Management
3.	Integrated farming System
4.	Integrated Pest and disease management
5.	Varietal evaluation & Popularization
6.	Processing and value addition
7.	Nutritional security

PART III - TECHNICAL ACHIEVEMENTS

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

	01		in the second second	FLD				
1					2			
Numb	umber of OFTs Number of farmers			Numb	oer of FLDs	Numbe	Number of farmers	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement	
04	03	17	12	16	16	130	130	

	Training				Extension Programmes			
	3				4			
Numbe	er of Courses	Number	of Participants	Number	of Programmes	Number of participants		
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement	
249	42	9765	1832	1160	543	63520	3003874	

Seed Pro	oduction (Q)	Planting materials (Nos.)			
	5	6			
Target	Achievement	Target	Achievement		
30	22.4	5500	4750		

Livestock, poultry stra	ins and fingerlings (No.)	Bio-pro	ducts (Kg)
	7		8
Target	Achievement	Target	Achievement
-	-	3000	2800

3.B1. Abstract of interventions undertaken

								Inter	ventions					
S · N o	Thrust area	Crop/ Enter prise	Identified Problem	Title of OFT if any	Title of FLD if any	Num ber of Trai ning (far mers	Nu mbe r of Trai ning (Yo uths	Num ber of Train ing (exte nsion perso nnel)	Exte nsion activ ities (No.)	Supp ly of seeds (Qtl.	Supp ly of plant ing mate rials (No.)	Sup ply of lives tock (No.		ply of coducts
_	TCM	D 11	3.6			02							No	kg
1	ICM	Paddy	Micro nutrient deficienc y in paddy field area	Assess ment of Boron applic ation in paddy		02	-	-	-	-	-	•	-	-
2	ICM	Maize	Lack of vegetative growth & seed filling due to deficiency of micro nutrients resulting reduced yield (15- 20%)	Respon se of Soil and foliar applica tion of micro nutrient s (Zn, Fe & B) in maize		01	•	-	-		-		-	
4	Mechan ization	Trans plante r	Labour scarcity & Drudgery	Assess ment of Vegeta ble seedlin g transpl anter (Tomat o, Brinjal, Chilli)		01	-	-	-	Vege table seeds (0.01	-	•	-	-
	ICM	Paddy	•Low yield (16-18 q/ac) • Lack of knowledge about Biofertiliz er • Excess use of fertilizer • BPH infestation (30%) • Blast (35-40 %)	7	Integrat ed crop manage ment in transpla nted Paddy	02	-	•	-	Sunh emp seeds (1.0 q)	-		-	Azos pirill um (5.0)
	ICM	Rabi sorghu m	Low yield due to use of local variety Lodging and poor fodder quality		Demon stration of <i>Rabi</i> sorghu m variety SPV- 2217	01	-	-	-	Sorh gum (0.3 q)	-	-	-	Azos pirill um (2.0)

					•					•		
ICM	foxtail millet	•Low yield •Lack of awareness about new variety	Demon stration of foxtail millet variety DHFt- 109-3 for higher yield and income	01	-	-	-	Foxt ail mille t (0.6 q)	-	-	,	Azos pirill um (5.0)
ICM	Little millet	•Low yield •Lack of awareness about new variety	Demon stration of Little millet variety DHLM -36-3 for higher yield and income	01	-		-	Little mille t(0.6 q)	•	-	•	Azos pirill um (5.0)
ICM	Black gram	•Low yield •Lack of awareness about new variety	Integrat ed crop manage ment in Black gram (DU-1)	01	-	-	-	Blac k gram m (0.6 q)	-	-	-	Rhiz obiu m (2.0), PSB (2.0), Trich oder ma (2.0)
ICM	Green gram	•Low yield •Lack of awareness about new variety	Integrat ed crop manage ment in Greec gram (DU-1)	01	-	-	-	Gree n gram m (0.5 q)	-	-	-	Trich oder ma (5.0)
ICM	Onion	•Low yield (160-180 q/ha) in local varieties •High incidence of purple blotch & thrips	ICM in onion variety of Bhima Super for higher yield & income	01	-	-	-	Onio n (0.2 q)	-	-	-	-
ICM	Cabba ge	Incidence of Diamond back moth (35 %) & Black rot (30%) caused reduction in yield by 30-40 %	ICM in Cabbag e	01	-	-	-	1	1	-	1	1
ICM	Chilli	•Low yield (35-40 %) •Inferior quality of Green chilli •45-50% Disease incidence	Enhanc ement of yield in Green chilli	01	-	-	-	-	-	-	1	-

ICM	Betelv	•Low yield •Incidence of wilt	ICM in Betel vine	02	-	-	-	-	-	-	-	Trich oder ma (50.0), Pseu domo nas (50.0
ICM	Mang o	•Flower dropping •Fruit dropping •Powdery mildew incidence (30%) •Low yield due to poor fruit set.	ICM in Mango	01	-	-	-	-	-	-	-	-
Animal husban dry	Fodde r	•Low productivit y of milk due to non feeding of green fodder	Demon stration on Fodder Cafeteri a	01	-		-	COF S31 (0.75), Hedge Euce rne (0.10), maize (0.15), Cow pea (0.10)	-		-	-
Nutritio n	Nutriti on garden	•Lack of awareness about nutrition & nutrition garden •Malnutriti on •Fluctuatio n in vegetable prices	Nutritio n garden at schools	01	-	4	-	Sepu (0.25) Coria nder (0.12), Meth i (0.12 5), Hulic hik (0.05), Bean s (0.12 5)	Dru mstic k (50 No.), Curr yleaf (10 No.)	4	-	Verm icom post (50 kg) Nee m insec ticide (2.5 ltr))
Animal husban dry	Dairy farmin g	•Contamin ation/low quality of milk •Higher incidence of mastitis	Clean milk product ion	01	-	-	-	-	-	-	-	-
Animal husban dry	Sheep & goat	•Neonatal mortality in Small ruminants	Neonat al care of young ones (Sheep and Goats)	01	-	-	-	-	-	-	-	-

Animal	Dairy	 Scarcity 	Conser	01	-	-	-	-	-	-	-	-
husban	farmin	of Green	vation									
dry	g	Fodder in	of									
-	_	Summer	Green									
			fodder									
			using									
			silage									
			making									
			through									
			silo									
			bags									

3.B2. Details of technology used during reporting period

	Details of technology used	Source of	Crop/ente		No.of pi	ogrammes	conducted
S.No	Title of Technology	technology	rprise	OF T	FL D	Training	Others (Specify)
1	2	3	4	5	6	7	8
1.	Assessment of Boron application in paddy	DRR Hyderabad	Paddy	05	-	02	Group discussion -02 Demo01
2.	Response of Soil and foliar application of micro nutrients (Zn, Fe & B) in maize	TNAU	Maize	02	-	01	Group discussion -02 Demo01
3.	Assessment of Vegetable seedling transplanter (Chilli)	PJTSAU, Hyderabad Herale technologies , Gajanur	Transplant er	05	-	01	Group discussion -03 Demo05
4.	Integrated crop management in transplanted Paddy	UAS Dharwad	Paddy	-	10	02	Group discussion -02 Demo01
5.	Demonstration of <i>Rabi</i> sorghum variety SPV-2217	UAS Dharwad	<i>Rabi</i> sorghum	-	10	01	Group discussion -02 Demo01
6.	Demonstration of foxtail millet variety DHFt-109-3 for higher yield and income	UAS Dharwad	foxtail millet	-	18	01	Group discussion -02 Demo01
7.	Demonstration of Little millet variety DHLM-36-3 for higher yield and income	UAS Dharwad	Little millet	-	18	01	Group discussion -02 Demo01
8.	Integrated crop management in Black gram (DU-1)	UAS Dharwad	Black gram	-	10	01	Group discussion -02 Demo01
9.	Integrated crop management in Green gram (DGGV-2)	UAS Dharwad	Green gram	-	10	01	Group discussion -02 Demo01
10.	ICM in onion variety of Bhima Super for higher yield & income	UAS Dharwad	Onion	-	10	01	Group discussion -02 Demo01
11.	ICM in Cabbage	UAS Dharwad	Cabbage	-	10	01	Group discussion -02 Demo01
12.	Enhancement of yield in Green chilli	UAS Dharwad	Chilli	-	05	01	Group discussion -02 Demo01
13.	ICM in Betel vine	UAS Dharwad	Betelvine	-	05	02	Group discussion -02 Demo01

14.	ICM in Mango	UAS	Mango	-	05	01	Group
		Dharwad					discussion -02
							Demo01
15.	Demonstration on	UAS	Fodder	-	02	01	Group
	Fodder Cafeteria	Dharwad					discussion -02
							Demo01
16.	Nutrition garden at	UAS	Nutrition	-	05	01	Group
	schools	Dharwad	garden				discussion -02
							Demo05
17.	Clean milk production	UAS	Dairy	-	05	01	Group
		Dharwad	farming				discussion -02
							Demo01
18.	Neonatal care of young	UAS	Sheep &	-	05	01	Group
	ones (Sheep and Goats)	Dharwad	goat				discussion -02
							Demo01
19.	Conservation of Green	UAS	Dairy	-	02	01	Group
	fodder using silage	Dharwad	farming				discussion -02
	making through silo						Demo01
	bags						

3.B2 contd..

		•			N	o. of f	armer	s cover	ed						
		OFT			FI	LD			Trai	ining		0	thers (Specif	<u>y)</u>
Gene	ral	SC/S	Т	Gene	ral	SC/S	T	Gene	eral	SC/S	T	Gene	eral	SC/S	T
M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
04	-	01	-	-	-	-	-	14	-	5	-				
02	-	-	-	-	-	-	-	12	-	4	-	-	-	-	-
04	-	01	-	-	-	-	-	15	-	5	-	-	-	-	-
-	-	-	-	10	-	-	-	15	-	3	-	-	-	-	-
-	-	-	-	10	-	05		12	-	-	-	-	-	-	-
-	-	-	-	18	-	-	-	25	-	4	-	-	-	-	-
-	-	-	-	18	-	-	-	22	-	4	-	-	-	-	-
-	-	-	-	10	-	03	-	15	-	3	-	-	-	-	-
-	-	-	-	10	-	-	-	17	-	4	-	-	-	-	-
-	-	-	-	10	-	-	-	20	-	3	-	-	-	-	-
-	-	-	-	10	-	-	-	31	-	4	-	-	-	-	-
-	-	-	-	05	-	-	-	27	-	4	-	-	-	-	-
-	-	-	-	05	-	01	-	55	-	9	-	-	-	-	-
-	-	-	-	05	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	05	-	01	-	15	-	2	-	-	-	-	-
-	-	-	-	05	-	01	-	15	-	3	-	-	-	-	-
-	-	-	-	05	-	-	-	20	-	2	-	-	-	-	-
-	-	-	-	05	-	-	-	15	-	3	-	-	-	-	-
-	-	-	-	02	-	-	-	15	-	2	-	-	-	-	-

PART IV - On Farm Trial

4.A1. Abstract on the number of technologies assessed in respect of crops

Thematic	Cereals	Oilse eds	Pulses	Commercial	Veget ables	Fruits	Flower	Plantation	Tuber	TOTAL
areas	02	eas -		Crops	ables			crops	Crops	02
Integrated Nutrient	02	-	-	-	-	-	-	-	-	02
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	-	-	-	-	01	-	-	-	-	01
Reduction										
Storage	-	-	-	-	-	-	-	-	-	-
Technique										
Mushroom	-	-	-	-	-	-	-	-	-	-
cultivation										
Total	02	-	-	-	01	-	-	-	-	03

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

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 : Nil

Thematic areas	Cattle	Poultry	Piggery	Rabbit	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: Nil

Thematic areas	Cattle	Poultry	Piggery	Rabbit	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	Numbe r of farmers	Area in ha (Per trial covering all the Technological Options)
T 1	Paddy	Assessment of Boron application in paddy	05	05	0.8
Integrated Nutrient Management	Maize	Response of Soil and foliar application of micro nutrients (Zn, Fe & B) in maize	02	02	0.6
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	-	Assessment of Vegetable seedling transplanter (Tomato, Brinjal,Chilli)	05	05	0.6
Storage Technique					
Mushroom cultivation					
Total			12	12	02

4.B.2. Technologies Refined under various Crops: Nil

Thematic areas	Cro p	Name of the technology assessed	No. of trials	Numbe r of farmer s	Area in ha (Per trial covering all the Technologic al 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 : Nil

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 : Nil

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/	Farmi	Proble	Title of	No.		Source	Yiel	Uni	Obs	servatio	ons	Net	BC	Rema
enterp	ng	m	OFT	of	Technology	of	d	t of	other	than y	yield	Retur	Ratio	rks if
rise		definiti		tria	Assessed	technol		yiel				n Rs.		any
	on	on	_	ls		ogy		d				/ unit		
1	2	3	4	5	6	7	8	9		10		11	12	13
Maize		Deficie		02	T1: Farmers'	-		q/ha	Num	Cob	Cob	62936	4.85	
	d	ncy of	se of		practice		3		ber of		_			
		micro nutrient	Soil and foliar						Grain s/cob	h (cm)	(cm)			
		s and	applicat						299.5	11.3	8.8			
		includin			T2: RDF (Soil	UAS,	62.1	a/ha	417.0	13.9	9.2	71037	5.04	
		g boron			application of	Dharwa	9	9,114	117.0	13.5	7.2	,103,	5.01	
		_	nutrient		ZnSO4+ FeSO4 +	d								
		Maize	s (Zn,		FYM)									
			Fe &		T3: RDF + Soil	TNAU	69.6	q/ha	489.5	14.6	11.2	81055	5.44	
			Bo)		application 0.8		9							
					kg /ac borax +									
					Foliar application									
					of 0.5% ZnSO4 +									
					0.5% FeSO4 + 0.1 % solubor @									
					30 & 45 DAS									
					30 & 43 DAS									
Paddy	Irrigat	Micro	Assess	05	T1: Farmers'		56.4	q/ha	Plant	No.	No.	95235	2.75	
	ed	nutrient	ment of		practice		5	1	height	of	of			
		deficien	Boron						at	panicl				
		cy in	applicat							es/pla				
		paddy	ion in						t (cm)	nt	s/pan			
		field	paddy						57.5	12.5	icle			
		area							57.5	13.5	215			
					T2: RDF	UAS,	63.6	q/ha	61.8	13.9	267	10770	2.78	
					(100:50:50 NPK	Dharwa	8					4		
					kg/ha. + ZnSO ₄	d								
					20 kg/ha)	TODIC A	70.0	/1	70.6	15.6	202	12100	3.11	
					T3: T_2 + Soil application of	ICRISA T,	3	q/na	70.6	15.6	302	12190 9	3.11	
					Boron at 2 kg /ha	Hydera	3					9		
					Doron at 2 kg/na	bad								
					T4: T ₂ + Foliar	DRR	67.4	q/ha	64.8	14.1	289	11593	2.96	
					Spray of 0.2%	Hydera	2	1				6	-	
					Boron at	bad								
					flowering									

Drudge	Irrigat	Drudge	Assess	05		-	-	Seedli	Time	Com			
ry	ed	r in	ment of					ng	requir	fort			
reducti		manual	vegetab					transp	ed/				
on		transpln	le		T1: Farmers'			lanted	Acre				
		ting	seedlin		practice			/ hour					
			g					106	19	Drud	-	-	
			transpla							gery			
			nter							base			
										d			
					T2: Seedling	Herale	-	135	18	More	-	-	With
					transplanter	technol				comf			practic
						ogies,				ortab			e time
						Gajanur				le			requir
					T3: Seedling	PJTSA	-	133	18.50	comf	-	-	ed still
					transplanter	U,				ortab			reduce
						Hydera				le			S
						bad							

4.C2. Details of Successfully completed / concluded technology assessment (support with necessary summary of data and photographs)

1.	Title of Technology Assessed	:	Response of Soil and foliar application of micro nutrients (Zn, Fe & Bo)
2.	Performance of the Technology on specific indicators	:	Application of RDF + Soil application 0.8 kg /ac borax + Foliar application of 0.5% ZnSO4 + 0.5% FeSO4 + 0.1 % solubor @ 30 & 45 DAS, increases the cob length, Cob girth & grain yield resulting into increased yield of 19.8 % over farmers practice
3.	Specific Feedback from farmers	:	Soil and foliar application of nutrients increases the coblength, Cob girth & grain yield over the farmers practice
4.	Specific Feedback from Extension personnel and other stakeholders	:	Very much convinced that micronutrient are essential for increasing maize yield.
5.	Feedback to Research System based on results and feedback received	:	Labour intensive and increased cost of micro nutrient fertilizer

1.	Title of Technology Assessed	:	Assessment of seedling transplanter
2.	Performance of the Technology on specific indicators	:	The assessment of seedling transplanter was done with transplanter developed by Herale research and works, Gajanur and PJTSAU, Hyderabad. It was observed that in manual transplanting method farmer can transplant 106 seedlings in an hour whereas, it is 135 and 133 in case of Herale and PJTSAU models. Even though time required to plant in an acre is less i.e., 18 and 18.5 hours respectively. Being less weight and handy transplanter by Herale technology was more comfortable. Time taken may still reduce with practice.
3.	Specific Feedback from farmers	:	Farmers were satisfied with technology and expressed their willingness try it for sowing cotton seeds.
4.	Specific Feedback from Extension personnel and other stakeholders	:	-
5.	Feedback to Research System based on results and feedback received	:	This method requires two persons, one for transplanting and another one for holding seedling trays. Refinement for single person operation needs to be done

4.D1. Results of Technologies Refined: Nil

Crop/ enterp rise	Farmi ng situat ion	Proble m definit ion	Tit le of OF T	No . of tria ls	Technology Refined	Source of technol ogy	Yie ld	Un it of yie ld	Observat ions other than yield	Net Retu rn Rs. / unit	BC Rat io	Rema rks if any
1	2	3	4	5	6	7	8	9	10	11	12	13
					T.O.1 (Farmerpr actice)							
					T.O.2							
					T.O.3							

4.D.2. Details of Technologies refined: Nil

- 1. Title of Technology Refined
- 2. Performance of the Technology on specific indicators
- 3. Specific Feedback from farmers
- 4. Specific Feedback from Extension personnel and other stakeholders
- 5. Feedback to Research System based on results/feedback received

PART V - FRONTLINE DEMONSTRATIONS

5.A. Summary of FLDs implemented Farming Season

		J.A. Suilli		LDS Implem	enteu									
C1	Category	Farming	Season		X7/		Thematic area	T11	Area ((ha)	Farmer	s (No.)	Farmers	(No.)
S1.		Situation		Crop	Variety/	Hybrid		Technology	Proposed	Actual	SC/ST	Others	Small/	Others
No.				r	breed	,		Demonstrated	oF				Marginal	
													iviaiginai	
	0.1													
	Oilseeds													
	Pulses	Rainfed	Kharif	Blackgram	DU-1	-	Integrated	Demonstration of	04	04	00	10	07	03
				_			crop	DU-1 variety						
							management	Seed treatment with						
								Rhizobium, PSB and						
								Trichoderma						
		T 1	Rabi	C	DGGV-		Tuta susta d		04	04	03	07	08	02
		Irrigated	каві	Green gram	DGGV-	-	Integrated	High yielding variety	04	04	03	07	08	02
					2		crop	DGGV-2 (12-14						
							management	q/ha), non						
								shattering, Wilt						
								resistant						
								Seed treatment with						
								Trichoderma						
	Cereals	Rainfed	Rabi	Rabi	SPV	_	Integrated	Seed treatments	04	04	05	05	06	04
	Cereurs	111111100	11001	sorghum	2217		crop	Application of ZnSO ₄	0.	0.	0.0	0.0	00	٠.
				Sorgitum	2217		management	Popularizing the						
							management	variety						
								Seed harding with						
							_	CaCl ₂						
		Irrigated	Kharif	Transplanted	Sri ram	-	Integrated	Incorporation of	04	04	00	10	08	02
				Paddy	sona and		crop	green manuring -						
					Cauveri		management	Sunhemp						
					sona			Carbendazim Seed						
								treatment @ 2 g/kg						
								Seedling dip in						
								Azospirillum						
								Seedling dip with						
								ZnSO ₄ @ 1 %						
								Imidacloprid @ 0.25						
								ml/L for BPH						
								Tricyclazole @ 0.6						
								g/L for blast (2						
								spray)						
										<u> </u>	<u> </u>			

la cur	ln : c :	777 .0	In	Dire		T+	Ig 1	1 0	1 7 2	00	10	4.4	
Millets	Rainfed	Kharif	Foxtail millet	DHFt 109-3	-	Integrated crop management	Seed treatment with Azospirillum DHFt-109-3 variety (Yield 15-20 q/ha) High yielding with long ear head Processing and value addition	8	7.2	00	18	14	04
	Rainfed	Rabi	Little millet	DHLm 36-3	-	Integrated crop management	DHLm-36-3 variety gives high yield of 15-20 q/ha with good fodder yield. Processing and value addition	8	7.2	03	15	16	02
Vegetables	Irrigate	Kharif	Onion	Bhima super	-	Integrated crop management	Interdiction of high yielding variety	4.0	4.0	-	10	10	-
	Irrigate	Rabi	Chilli		sithara	Integrated crop management	1.Seed treatment with Metalaxyl MZ (2 g/kg) 2.Seedling dip-Imidacloprid (0.5 ml/L) 3.Spraying 50 ppm NAA during flowering (1 ml/ 4 L water) 4.Difenthuron (0.5 g/L) at 45 & 60 days of planting , Fenazaquin (2 ml/L) at time of mite incidence 5.TO2(Recommended practices) & 6.40 Mesh insect proof net in nursery 7. Vermicompost @ 200 kg/ac during planting 8. 3 sprays of vegetable spl. @ 5 g/L at 30, 45, 60 days after transplanting 9.Spraying of Solubor @ 2 g/L at 45 days after planting	2.0	2.0	-	05	05	
	Irrigate	Kharif	Cabbage		Saint	Integrated crop management	1. Use of mustard as trap crop all along the border-one row 15 days prior and another row 15 days later after planting of cabbage 2. Application of Dichlorvas @ 1 ml/L on mustard as and when DBM larvae incidence noticed Application of Neem @ 5 ml/L on cabbage at the time of incidence of DBM and II spray after 10 days 3. Streptocyclin 0.5 g + COC 3g/L at the time of incidence of disease and II spray after 10 days	04	04	03	07	07	03
Flowers							atter 10 days						
Ornamental													

Fruit	Irrigation	Rabi	mango	alphanso	-	Integrated crop management	1.Mango special @ 5 g/L - 3 sprays - before flowering, fruiting (Pea stage & lemon stage) 2. Spraying of NAA 50 ppm (Pea stage & lemon stage) 3.Powdery mildew management : Hexaconazole (0.1%) Leaf hopper management : Fipronil (0.1%)	2.0	2.0	-	05	05	-
Spices and condiments													
Commercial													
Medicinal and aromatic													
													<u>L</u>
Fodder 1	Irrigated	Rabi	Cofs-31, Hedege Lucerne, Fodder cow pea, African tall maize	-	-	Feed and fodder	Fodder cafeteria	2	2	1	4	5	
	Irrigated	Rabi	African tall maize	-	-	Feed and fodder	Conservation of green fodder by silage making through silage bags	-	-	-	2	2	
Plantation	Irrigated	Rab i	Betelvine	Local	-	Intigrated crop management	1.Trichoderma, Pseudomonas enriched with FYM during June & July 2.Neem cake application during June & July (200 g/vine) 3.Lowering of vine in December 4.Carboxin (0.2 %) drenching during lowering	2.0	2.0	-	05	05	
Fibre													
								-			-		-
Dairy	-	-	Cattle	Cross bred		Diseases management	Clean milk production	-	-	1	4	5	
Poultry													
Rabbitry													
Piggery													
1													
				•		i i	Neonatal mortality in						

I	1	1	Т	1	1	T	1	ı				1	
Duckery													
Common													
carps													
Mussels													
Ornamental													
fishes													
Oyster													
mushroom													
Button													
mushroom													
Vermicompost													
Sericulture													
Apiculture													
		1											
Implements		1											
		1											
Others	Irrigated	Kharif	Vegetables	-	-	Nutritional	Demonstration of	0.4	0.4	01	04	-	-
(specify)						Security	Nutrition garden at Schools						

5.A. 1. Soil fertility status of FLDs plots, if analysed

Sl. No.	Category	Farmi ng Situat ion	Season and Year	Crop	Variety/ breed	Hybrid	Themati c area	Technology Demonstrated	Season and year	St	atus soil	of	Previ ous crop grow n
										N	P	K	
	Oilseeds												
	Pulses	Rainf ed	Kharif 2017	Black gram	DU-1	-	Integrate d crop manage ment	Demonstration of DU-1 variety Seed treatment with Rhizobium, PSB and Trichoderma	Kharif 2017	M	M	M	Foxta il millet
		Irriga ted	<i>Rabi</i> 2017	Green gram	DGGV-2	-	Integrate d crop manage ment	High yielding variety DGGV-2 (12-14 q/ha), non shattering, Wilt resistant Seed treatment with Trichoderma	<i>Rabi</i> 2017	M	M	M	Padd y

Cereals Irriga Raint Rabit Chilli - Sithara Integrate Corpus Country Count	Cereals	Innico	Vla a:f	Tropon1	Sri ram		Intograta						
Rainf Rabi ed 2017 Sorgh e	Cereais					-							
Rainf Rabi Sorghu 2217 - Integrate d crop manage ment life and 2017 millet 109-3 - Integrate d crop manage ment life and 2017 millet 109-3 - Integrate d crop manage ment life and 2017 millet 109-3 - Integrate d crop manage ment life and 2017 millet 109-3 - Integrate d crop manage ment life and 2017 millet 109-3 manage ment life and 2017 millet 2017 manage ment life and 2017 millet 2017 manage ment in chilli life and 2017 millet 109-3 manage ment life and 2017 millet 109-3 manage ment life and 2017 millet 2017 manage ment in chilli life and 2017 millet 109-3 manage ment life and 2017 millet 109-3 manage ment life and 2017 millet 2017 manage ment life and 2017 mi		tou	2017				_						
Millets Rainf Rabi Chilli Chi													
Millets Rainf Rabi Cul 2017 Royalil DHFt 109-3 -				Sorghu		-							
Millets Rainf Kharif Foxtail DHFt 109-3 - Integrate d crop manage ment 2017 millet 36-3 - Integrate d crop manage ment 2017 millet 36-3 - Integrate d crop manage ment 2017 millet 36-3 ment 2017 millet 36-3 ment 2017 millet 36-3 ment 2017 millet 2017		ed	2017	m	2217		_						
Millets Rain Call Color Millet Color Col													
Rainf ed 2017 millet 109-3 d crop manage ment millet 2017 millet 2017 millet 2017 millet 2017 millet 2017 manage ment 2017 millet 2017 manage ment 2017 ma	N 6'11 .	D : C	171 :0	E . '1	DITE								
Rainf cd 2017 millet 36-3	Millets					-							
Rainf Rabi Little DHLm- Integrate d crop manage ment DHLM-36-3 d crop with good fodder yield. Processing and value addition Display Display DHLM-36-3 d crop manage ment in onion Display DHLM-36-3 d crop manage ment in onion Display DHLM-36-3 d crop manage ment in onion Display DHLM-36-3 DH		eu	2017	mmet	109-3		_						
Vegetables Irriga Chilli													
Vegetables Irriga ted Te		Rainf	Rahi	Little	DHLm-	_		DHLM-36-3	Rabi	L	М	М	Maiz
Vegetables Irriga Kharif Onion Ehima ted f Super - Intigrate derop manage ment in onion Irriga Rabi Chilli - Sithara Intigrate derop manage ment in onion Irriga Rabi Chilli - Sithara Intigrate derop manage ment in onion Irriga Rabi Chilli - Sithara Intigrate derop manage ment in onion Irriga Rabi Chilli - Sithara Intigrate derop manage ment in onion Irriga Rabi Chilli - Sithara Intigrate derop manage ment in onion Irriga Rabi Chilli - Sithara Intigrate Leg kgb 2.Seeding dip-limidacloprid (0.5 mlL) 3.Spraying 50 ppm NAA during Inoversing (1 ml/ 4 L. water) 4.Difenthuron (0.5 g/L) at 45 & 60 days of planting Fenazaquin Camilli Australia Camilli Australia Camilli Australia Camilli C											1,1	1,1	
Vegetables Irriga ted							_						
Vegetables Irriga ted Tender Chilli Sithara Intigrate de crop ment in onion Intigrate de crop mit in onion Intigrate de crop ment in onion Intigrate de crop ment in chilli							_						
Vegetables Irriga ted F Onion ted Sithara ted F Onion ted F													
Vegetables Irriga ted f Onion Super - Intigrate d crop high yielding yariety wariety wariety wariety wariety wariety with Metalaxyl MZ. (2 g/kg) 2.Seedling diplinated planting 1.Separation 1.Separation 2017 2.Separation													
ted f super decrep manage ment in onion Irriga Rabi Chilli - Sithara Intigrate d crop manage ted led Rabi Chilli - Sithara Intigrate d crop manage ment in chilli Indiacloprid (0.5 ml/L) 3.Spraying 50 ppm NAA during flowering (1 ml/4 L. water) 4.Difenthuron (0.5 g/L) at 45 & 60 days of planting , Fenzazaquin (2 ml/L) at time of mite incidence 5.TO2(Recommen ded practices) & 6.40 Mesh insect proof net in nursery 7. Vermicompost . © 200 kg/ac during planting 8. 3 sprays of vegetable spl. @ 5 g/L at 30, 45, 60 days after transplanting 9.Spraying of Solubor @ 2 g/L at 45 days after planting.													
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Irriga ted Irriga ted Chilli - Sithara Intigrate d crop manage ment in chilli		ted	f		super		-		f-2017				e
Irriga ted Irriga								variety					
Irriga ted Rabi Chilli - Sithara Intigrate d crop manage ment in chilli Seed treatment Rabi-with Metalaxyl MZ (2 g/kg) 2.Seedling diplimidacloprid (0.5 ml/L) S.Spraying 50 ppm NAA during flowering (1 ml/ 4 L water) 4.Difenthuron (0.5 g/L) at 45 & 60 days of planting , Fenazaquin (2 ml/L) at time of mite incidence 5.TO2(Recommen ded practices) & 6.40 Mesh insect proof net in nursery 7. Vermicompost @ 200 kg/ac during planting 8. 3 sprays of vegetable spl. @ 5 g/L at 30, 45, 60 days after transplanting 9.Spraying of Solubor @ 2 g/L at 45 days after planting Flowers Fl													
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manage ment in chilli midacloprid (0.5 mi/L) 3.Spraying 50 ppm NAA during flowering (1 ml/ 4 L water) 4.Difemthuron (0.5 g/L) at 45 & 60 days of planting , Fenazaquin (2 ml/L) at time of mite incidence 5.TO2(Recommen ded practices) & 6.40 Mesh insect proof net in nursery 7. Vermicompost @ 200 kg/ac during planting 8. 3 sprays of vegetable spl. @ 5 g/L at 30, 45, 60 days after transplanting 9.Spraying of Solubor @ 2 g/L at 45 days after planting Flowers			Kubi	Cillin	-	Sitilara				101	171	171	
ment in chilli Chilli		tea							2017				11
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transplanting 9.Spraying of Solubor @ 2 g/L at 45 days after planting Flowers								days after					
9.Spraying of Solubor @ 2 g/L at 45 days after planting Flowers								transplanting					
Flowers at 45 days after planting								9.Spraying of					
Flowers planting													
Flowers													
	Floure							planting					
Ornamental	riowers												
	Ornamental												
	Jamontul		-										

Fruit	Irriga ted	Rabi	Mango	Alphanso	-	Intigrate d crop manage ment	1.Mango special @ 5 g/L - 3 sprays - before flowering, fruiting (Pea stage & lemon stage) 2. Spraying of NAA 50 ppm (Pea stage & lemon stage) 3.Powdery mildew management : Hexaconazole (0.1%) Leaf hopper	Rabi- 2017	M	M	M	Rice
Spices and							management : Fipronil (0.1%)					
condiments												
Commercial												
Medicinal and aromatic												
Fodder												
Plantation	Irriga ted	<i>Rabi</i> -2017	Betelvi	Local	-	Intigrate d crop manage ment	1.Trichoderma, Pseudomonas enriched with FYM during June & July 2.Neem cake application during June & July (200 g/vine) 3.Lowering of vine in December 4.Carboxin (0.2 %) drenching during lowering	<i>Rabi</i> -2017	M	M	M	Maiz e
Fibre												

5.B. Results of FLDs

5.B.1. Crops

	Name of the	9.5		Far	No.	Ar	7	/ield	(q/ha	a)			Econo nstrat			*Eco	nomics (Rs./		eck
Crop	techno logy demo nstrat ed	Vari ety		ming situa tion	of	ea (ha]	Demo)	Che ck	% Incr ease	Gros s Cost	Gros s Retu rn	Net Retu rn	** BCR		Gross Retur n		** BC R
							Н	L	A										
Oilsee ds																			
Pulses	Integra ted crop manag ement in black gram	DU- 1	-	Rainf ed	10	04	9.0	12. 0	10. 5	8.9	17.9	2030	5250 0	3220	2.58	2010	44500	2440 0	2.2
	Integra ted crop manag ement in greeng ram	DG GV- 2	-	Irriga ted	10	04	11. 2	13. 8	12. 5	10.9	14.6 7	1938	6250	4312	3.22	1921	54500	3528 5	2.8
Cereal s	Rabi sorghu m variety SPV- 2217	SPV - 2217	-	Rainf ed	10	04	14. 38	16. 25	15. 19	12.7	20.8	1073	2619 8	1546 8		0	21994	1049	1.9
	Integra ted crop manag ement in transpl anted paddy	ram sona and cauv eri	-	Irriga ted	10	04	66. 98	73. 33	70. 16	59.4 9	17.9 4	3794 0	1613 68	1234 28	4.25	3460	13682 7	1022 27	3.9

Millet	Demo		-	Rainf	18	7.2	12.	16.	14.		22.3	7600	4350	3590	5.72	7500	35550		4.7
S	nstrati on of foxtail millet variety DHFt- 109-3 for higher yield and incom	t 109- 3		ed			7	3	50	5	6		0	0				0	4
	e																		
	Demo nstrati on of Little millet variety DHLm -36-3 for higher yield and incom e	DHL m- 36-3	-	Rainf ed	18	7.2	13. 6	17. 45	15. 53	12.5	23.4	7825	4348 4	3565 9	5.56	7800	35224	2742 4	4.5 2
Veget	ICM in	-	Sain t.	Irriga tor	10	04	65. 25	62. 15	63. 83	57.8 4	10.3	6292 4	3191 30	2562 06	5.07	7747 9	28920 0	2117 21	3.7
ables	Cabba ge		ι.	tor			23	13	63	4	3	4	30	00		9	0	21	3
	Integra ted crop manag ement in Onion	ma supe	-	Irriga ted	05	2.0	260 .12	220 .35	241 .40	193. 65	24.6	4830 2	1931 17	1448 15	3.99	5051 3.70	15492	1044 06.3	3.0
	Integra ted crop manag ement in Chilli	-	Sith ara	Irriga ted	05	2.0	394 .20		387 .94		42.6	8400	4655 28	3815 28	5.54	7500 0	32644	2514 48	4.3 5
Flowe																			
rs																			
Orna																			
menta																			
1																			

Fruit																			
Spices and condi ments																			
Com merci al																			
Fibre crops like cotton																			
Medic inal and aroma tic																			
Fodde r	Fodder cafeter ia	-	-	Irriga ted	5	2	26	21	Cof s- 31: 22 tons /cut /h	-		4507 5	8692	4185	1:1.9	3523 5	61305	2607	1:1.
							25	23	Afri can tall mai ze: 25 tons										
							10	7	/ha Fod der cow pea 8 tons /ha										
	Conser vation of green fodder by silage makin g throug h silo bags	-	-	-	2		1		-	-	-	-		-	-	-	-	-	-

Planta	Integra	Loca	-	Irriga	05	2.0	284	264	273	217	25.5	1729	1135	9620	6.56	1707	90500	7343	5.3
tion	ted	1		ted			354	567	464	809	5	40	000	60		00	0	00	0
tion	crop						2	8	9	0									
	manag																		
	ement																		
	in																		
	Betel																		
	vine																		
Fibre																			
Others																			
(pl.sp																			
(pl.sp ecify)																			

^{*} 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 in weed/nest/diseases_etc.)

	eters in relation to technolog	y demonstrated
Parameter with unit	Demo	Check
Green gram (Pod weevil %)	82	14.9
Black gram (Powdery mildew %)	7.1	17.3
Little millet (Straw yield-t/ha)	5.02	3.76
Foxtail millet (Straw yield- t/ha)	3.2	2.8
Paddy (Straw yield- t/ha)	3.75	3.22
Paddy (Blast incidence -%)	6.4	13.1
Rabi sorghum (Plant height-cm)	168.6	164.5
Rabi sorghum (Disease incidence -%)	3.6	13.2
Onion (Purple blotch-%)	9.3	18.3
Onion (Bulb weight -g)	55.1	42.2
Onion (Thrips incidence -%)	5.23	7.58
Cabbage (DBM Incidence -no/10 plants)	8.2	12.6
Cabbage (Incidence of black rot-%	4.3	10.5
Chilli (Thrips and mite incidence-%)	8.50	14.74
Chilli(Leaf curl incidence-%)	9.26	18.50
Betelvine (Wilt incidence -%)	7.50	13.50
Betelvine (No/vine)	405.8	318.9
Feeding information	Cultivated green fodder was feed as 2/3part cereal and 1/3 part leguminous, concentrate was feed @ 1kg concentrate/3kg milk produced	No green fodder was fed, crop residue was used for feeding, 1kg concentrate/3kg milk produced
Silage quality	The bag is unfit for silage preparation as their was for air packets being left while filling the fodder. So soilage obtained was Poor quality and unfit feeding animals due to fungal infection	-

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

5.B.2. Livestock and related enterprises

Туре	Name of the		No	No .	(lield anin		%			mics o stration nit)		*Eco	onomic (Rs./	es of clunit)	heck
of livest ock	technol ogy demon strated	Bre ed	of De mo	of U nit s		Dem		Ch eck if an y	Incr ease	Gr oss Co st	Gr oss Ret urn	Net Ret urn	** B C R	Gr oss Co st	Gr oss Ret urn	Net Ret urn	** B C R
					H	L	A										
Dairy	Clean milk product ion	HF Cro ss bre d	5	1	9	7	8 . 1	6.7	20.8	37 05 7	741 15	370 57	1: 2	35 23 5	613 05	260 70	1:1
Poultr																	
У																	
Rabbi try																	
Pigerr y																	
Sheep and goat	Neonat al mortalit y in sheep and goat	Dec cani	5	10	-	-	8	5.5	45.0	13 00	315 00	302 00	24 .2	60 0	150 00	144 00	25
Duck																	
ery																	
Other s (pl.sp ecify)																	

^{*} 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.)

Data o	on other parameters in relati	on to technology demonstrated
Parameter with unit	Demo	Check if any
Incidence of mastitis	No incidence in three months of observation	15% mastitis
Quality of milk	Keeping quality was good	Keeping quality was poor
Neonatal mortality	10%	40%
Incidence of parasitic infestation	No incidence of parasitic infestation	60%

5.B.3. Fisheries - Nil

Туре	Name of the	Br	No . of	Un its/	\ \ \	Yield	d (q	/ha)	%	(demons	mics of stration r (Rs./1	1			s of cl r (Rs./ı	
of Breed	technol ogy demons trated	eed	De mo	Ar ea (m ²	Г	Dem	0	Ch eck if any	Incr ease	Gr oss Co st	Gro ss Ret urn	Net Ret urn	** B C R	Gr oss Co st	Gro ss Ret urn	Net Ret urn	** B C R
					Н	L	A										
Comm on carps																	
Musse ls																	
Ornam ental fishes																	
Others (pl.spe cify)																	

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

H-High L-Low, A-Average

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

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

^{**} BCR= GROSS RETURN/GROSS COST

5.B.4. Other enterprises:

Enterpr ise	Name of the techno logy demon strated	Var iety	No ·	Un its/		Yi	eld	T	%	d	emons	mics o stration nit) or 'm2)	1		Econo che (Rs./u: (Rs./	eck nit) or	
		spe cies	De	Ar ea {m ² }		Demo)	Ch ec k if an y	Incr ease	Gr os s Co st	Gr oss Ret urn	Ne t Ret urn	** B C R	Gr os s Co st	Gr oss Ret urn	Ne t Ret urn	** B C R
					Н	L	A										
Oyster mushro om																	
OIII																	
Button mushro om																	
Vermic ompost																	
Sericul ture																	
Apicult ure																	
Others (pl.spe cify)	Nutriti on garden	-	05	0.5 ha	66 .2 5	62 .2 5	64 .3 5	-	-	50 00	63 85	13 85	1. 27	-	-	-	-

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

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.)

duminum of furm resources reej end ever)												
Data on other parameters in relation to technology demonstrated												
Parameter with unit After Before												
Knowledge gain index	96.30	82.80										

5.B.5. Farm implements and machinery: Nil

э.р.э. 1	5.D.5. Parm implements and machinery. 14n																	
		Name of the		Are a		our		Savi ngs	*Economics of				*Economics of					
of the implement	Cost of the imple ment in Rs.	Cost	Cost	technol ogy	No	cov ered	en	t in days		in	C	demonstration (Rs./ha)			check (Rs./ha)			
		demon strated	of De mo	und er dem o in	De mo	Ch eck	% sa ve	labo ur (Rs. /ha)	Gr oss co st	Gr oss Ret urn	Net ** Gr C Ret B oss o urn C Co R	Gr oss Ret urn	Net Ret urn	** B C R				

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

^{**} BCR= GROSS RETURN/GROSS COST

^{**} 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	Activity No. of activities organized				
1	Field days	07	417			
2	Farmers Training	48	2012			
3	Media coverage	24	-	-		
4	Training for extension functionaries	02	51	-		
5	Others (Please specify)	-	-	-		

PART VI – DEMONSTRATIONS ON CROP HYBRIDS: Nil

Demonstration details on crop hybrids

Type of	Name of the	Name	No.	Area		Yie	eld (c	q/ha)	%	*Ecoi	nomics of (Rs.	demonstr/ha)	ation	*]	Economic (Rs.
Breed	technology demonstrated	of the hybrid	of Demo	(ha)	I	Dem	0	Check	Incre ase	Gross Cost	Gross Return	Net Return	** BCR	Gross	Gross Return
					Н	L	Α								
Cereals															
Bajra															
Maize															
Paddy															
Sorghum															
Wheat					1										
Others	1														
(pl.specify)															
Total					1										
Oilseeds															
Castor					1										
Mustard					1										
Safflower	1	1			1				1						
Sesame	1	1			1				1						
Sunflower	1	1			1				1	1					
Groundnut					1										
Soybean					1										
Others					1										
(pl.specify)															
Total					1										
Pulses					1										
Greengram					1										
Blackgram					1										
Bengalgram															
Redgram					1										
Others															
(pl.specify)															
Total															
Vegetable															
crops															
Bottle gourd															
Capsicum															
Others															
(pl.specify)															

Total									
Cucumber									
Tomato									
Brinjal						_			
Okra						_			
Onion						_			
Potato						_			
Field bean						_			
Others									
(pl.specify)	 	 			 		 		
Total									
Commercial									
crops									
Sugarcane									
Coconut		 					 		
Others									
(pl.specify)									
Total									
Fodder crops									
Maize (Fodder)									
Sorghum									
(Fodder)	 	 			 <u></u>		 	<u></u>	
Others									
(pl.specify)									
Total									

H-High L-Low, A-Average

^{*}Please ensure that the name of the hybrid is correct pertaining to the crop specified

PART VII. TRAINING

7.A.. Training of Farmers and Farm Women including sponsored training programmes (On campus)

	No of				No. o	of Partic	ipants			
Area of training	No. of Cours		General			SC/ST		G	Frand To	tal
The of training	es	Mal	Fema le	Tot	Mal	Fema le	Tot al	Mal	Fema le	Total
Crop Production		е	ie	al	e	ie	aı	e	ie	
Weed Management										
Resource Conservation										
Technologies Committee Sections										
Cropping Systems										
Crop Diversification										
Integrated Farming										
Micro Irrigation/Irrigation										
Seed production										
Nursery management										
Integrated Crop Management	3	126	18	144	12	1	13	138	19	157
Soil and Water Conservation	<u> </u>									
Integrated Nutrient Management	1	12	0	12	1	0	1	13	0	13
Production of organic inputs										
Others (pl.specify)										
Organic farming	1	56	0	56	3	0	3	59	0	59
Horticulture						-				
a) Vegetable Crops										
Production of low value and high volume crop										
Off-season vegetables										
Nursery raising										
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation										
Others (pl.specify)										
b) Fruits										
Training and Pruning										
Layout and Management of										
Orchards Cultivation of Fruit	+									
Management of young	1									
plants/orchards										
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques										
Others (pl.specify)	1									

c) Ornamental Plants		Ι				
<u> </u>						
Nursery Management						
Management of potted plants						
Export potential of ornamental plants						
Propagation techniques of Ornamental Plants						
Others (pl.specify)						
d) Plantation crops						
Production and Management technology						
Processing and value addition						
Others (pl.specify)						
e) Tuber crops						
Production and Management technology						
Processing and value addition						
Others (pl.specify)						
f) Spices						
Production and Management						
technology Processing and value addition						
Others (pl.specify)						
g) Medicinal and Aromatic						
Plants						
Nursery management						
Production and management technology						
Post harvest technology and value						
addition Others (pl.specify)						
Soil Health and Fertility						
Management						
Soil fertility management						
Integrated water management						
Integrated nutrient management						
Production and use of organic						
inputs Management of Problematic soils						
Micro nutrient deficiency in crops						
Nutrient use efficiency						
Balanced use of fertilizers						
Soil and water testing						
Others (pl.specify)						
Livestock Production and						
Management Dairy Management						
Dairy Management						
Poultry Management						
Piggery Management						

Rabbit Management										
Animal Nutrition Management										
-										
Animal Disease Management										
Feed and Fodder technology										
Production of quality animal products	2	53	6	59	28	1	29	81	7	88
Others (pl.specify)	2	33	U	39	20	1	29	01	/	00
Home Science/Women										
empowerment										
Household food security by										
kitchen gardening and nutrition gardening										
Design and development of										
low/minimum cost diet										
Designing and development for high nutrient efficiency diet										
Minimization of nutrient loss in										
processing										
Processing and cooking										
Gender mainstreaming through SHGs										
Storage loss minimization										
techniques										
Value addition	2	5	38	43	0	10	10	5	48	53
Women empowerment										
Location specific drudgery										
production Rural Crafts										
Women and child care										
Others (pl.specify)										
Agril. Engineering										
Farm machinery and its maintenance										
Installation and maintenance of										
micro irrigation systems										
Use of Plastics in farming practices										
Production of small tools and										
implements										
Repair and maintenance of farm machinery and implements										
Small scale processing and value										
addition										
Post Harvest Technology										
Others (pl.specify)										
Plant Protection										
Integrated Pest Management	1	63	2	65	9	0	9	72	2	74
Integrated Disease Management										
Bio-control of pests and diseases										
Production of bio control agents and bio pesticides										
Others (pl.specify)										

Fisheries										
Integrated fish farming										
Carp breeding and hatchery										
management										
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)										
Production of Inputs at site										
Seed Production										
Planting material production										
Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production		1.4	0	1.4	1	0	1	1.5	0	1.5
Organic manures production	1	14	0	14	1	0	1	15	0	15
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)										
Protected Cultivation Technology	1	9	0	9	1	0	1	10	0	10
CapacityBuilding and Group Dynamics										
Leadership development										
Group dynamics	3	45	39	84	5	1	6	50	40	90
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
Others (pl.specify)										
Agril. Extension	3	77	0	77	13	0	13	90	0	90

Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (Pl. specify)										
TOTAL	18	460	103	563	73	13	86	533	116	649

7.B Training of Farmers and Farm Women including sponsored training programmes (Off campus)

	No. of				No. o	of Partic	ipants			
Area of training	Cours		General			SC/ST		1	rand To	tal
D	es	Mal e	Fema le	Tot al	Mal e	Fema le	Tot al	Mal e	Fema le	Tota l
Crop Production			ie	aı		ie	aı		16	1
Weed Management										
Resource Conservation Technologies Cropping Systems										
Crop Diversification										
Integrated Farming										
Micro Irrigation/Irrigation										
Seed production										
Nursery management										
Integrated Crop Management	9	267	11	278	28	0	28	295	11	306
Soil and Water Conservation		207	11	270	20	0	20	273	11	300
Integrated Nutrient Management										
Production of organic inputs										
Others (pl.specify)										
Organic farming Production and Management	1	0	0	0	27	0	27	27	0	27
technology	1	15	2	17	2	1	3	17	3	20
Horticulture										
a) Vegetable Crops										
Production of low value and high volume crop										
Off-season vegetables										
Nursery raising										
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation										
Others (pl.specify)										
b) Fruits										
Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit										

	ı	1	1		1		1	1	ı	1
Management of young plants/orchards										
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of										
orchards										
Plant propagation techniques										
Others (pl.specify)										
c) Ornamental Plants										
Nursery Management										
Management of potted plants										
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants										
Others (pl.specify)										
d) Plantation crops										
Production and Management technology										
Processing and value addition										
Others (pl.specify)										
e) Tuber crops										
Production and Management technology										
Processing and value addition										
Others (pl.specify)										
f) Spices										
Production and Management technology										
Processing and value addition										
Others (pl.specify)										
g) Medicinal and Aromatic Plants										
Nursery management										
Production and management technology										
Post harvest technology and value addition										
Others (pl.specify)										
Soil Health and Fertility Management										
Soil fertility management	1	65	0	65	7	0	7	72	0	72
Integrated water management				1						
Integrated nutrient management										
Production and use of organic inputs										
Management of Problematic soils										
Micro nutrient deficiency in crops										
Nutrient use efficiency										
Balanced use of fertilizers										
		1		1			<u> </u>]		

Soil and water testing										
Others (pl.specify)										
Livestock Production and										
Management										
Dairy Management										
Poultry Management										
Piggery Management										
Rabbit Management										
Animal Nutrition Management										
Animal Disease Management	2	61	0	61	0	0	0	61	0	61
Feed and Fodder technology	1	76	49	125	7	6	13	83	55	138
Production of quality animal products		, ,			,					
Others (pl.specify)										
Home Science/Women										
empowerment										
Household food security by kitchen gardening and nutrition										
gardening	1	0	19	19	0	2	2	0	21	21
Design and development of										
low/minimum cost diet Designing and development for										
high nutrient efficiency diet										
Minimization of nutrient loss in										
processing Processing and cooking	1	2.6		2.4	0	0	0	26	0	2.4
Gender mainstreaming through SHGs	1	26	8	34	0	0	0	26	8	34
Storage loss minimization										
techniques Value addition		1 .			_					101
Women empowerment	3	24	66	90	3	8	11	27	74	101
-										
Location specific drudgery production										
Rural Crafts										
Women and child care										
Others (pl.specify)										
Income generation activities	1	78	15	93	7	1	8	85	16	101
Agril. Engineering										
Farm machinery and its										
maintenance Installation and maintenance of										
micro irrigation systems										
Use of Plastics in farming										
practices Production of small tools and										
implements										
Repair and maintenance of farm										
machinery and implements Small scale processing and value							-			
addition										

Post Harvest Technology Others (pl.specify) Plant Protection Integrated Pest Management Integrated Disease Management Bio-control of pests and diseases Production of bio control agents and bio pesticides	2 1	43	1							
Plant Protection Integrated Pest Management Integrated Disease Management Bio-control of pests and diseases Production of bio control agents			1							
Integrated Pest Management Integrated Disease Management Bio-control of pests and diseases Production of bio control agents			1							
Integrated Disease Management Bio-control of pests and diseases Production of bio control agents			1							
Bio-control of pests and diseases Production of bio control agents	1	16		44	12	5	17	55	6	61
Production of bio control agents			5	21	1	0	1	17	5	22
Others (pl.specify)										
Fisheries										
Integrated fish farming										
Carp breeding and hatchery management										
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)										
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	24	671	176	847	94	23	117	765	199	964

7.C.Training for Rural Youths including sponsored training programmes (on campus)

	No.				No. of	Partic	ipants			
Area of training	of		Genera	l		SC/ST		Gı	rand To	tal
The work of the same of the sa	Cour ses	Ma le	Fem ale	Tot al	Ma le	Fem ale	Tot al	Ma le	Fem ale	Tot al
Nursery Management of Horticulture crops										
Training and pruning of orchards										
Protected cultivation of vegetable crops	1	29	14	43	9	6	15	38	20	58
Commercial fruit production										
Integrated farming										
Seed production										
Production of organic inputs										
Planting material production										
Vermi-culture										
Mushroom Production	1	84	46	13 0	21	15	36	10 5	61	166
Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery and implements										
Value addition										
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
Production of quality animal products										
Dairying										
Sheep and goat rearing										

Quail farming										
Piggery										
Rabbit farming										
Poultry production										
Ornamental fisheries										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Any other (pl.specify)										
Agril. Extension	1	21	19	40	5	3	8	26	22	48
Capacity building and Group Dynamics	1	27	26	53	2	5	7	29	31	60
Capacity building and Group Dynamics	1	16	12	28	1	4	5	17	16	33
Soil and Water Conservation	1	0	0	0	0	0	0	0	0	0
Processing and Value addition	1	24	18	42	6	4	10	30	22	52
TOTAL	7	20 1	135	33 6	44	37	81	24 5	172	417

7.D. Training for Rural Youths including sponsored training programmes (off campus)

	No.				No. of	Partici	pants			
Area of training	of		Genera	ıl		SC/ST		Gr	and Tot	tal
Tarvu vi viuming	Courses	M ale	Fem ale	Tota 1	Mal e	Fem ale	Tot al	Mal e	Fem ale	To tal
Nursery Management of Horticulture crops		aic	arc			arc	aı		aic	tai
Training and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming										
Seed production										
Production of organic inputs										
Planting material production										
Vermi-culture										
Mushroom Production										
Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery and implements										
Value addition										
Small scale processing										
Post Harvest Technology										

Tailoring and Stitching											
Rural Crafts											
Production of quality animal products									•		
Dairying											
Sheep and goat rearing											
Quail farming											
Piggery											
Rabbit farming											
Poultry production											
Ornamental fisheries											
Composite fish culture											
Freshwater prawn culture											
Shrimp farming											
Pearl culture											
Cold water fisheries											
Fish harvest and processing technology											
Fry and fingerling rearing											
Any other (pl.specify)											
Integrated Crop Management (ICM)	1	52	1	53	12	0	12	2	64	1	65
TOTAL	1	52	1	53	12	0	12	2	64	1	65

$7.E. Training \ programmes \ for \ Extension \ Personnel \\ including \ sponsored \ training \ programmes \ (on \ campus)$

	No.]	No. of	Partici										
Area of training	of		General			SC/ST		Grand Total								
The of truming	Cour	Ma	Fema	Tot	Ma	Fem	Tot	Ma	Fem	Tot						
	ses	le	le	al	le	ale	al	le	ale	al						
Productivity enhancement in field crops	01	16	01	17	01	00	01	17	01	18						
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																
Low cost and nutrient efficient diet																
designing																
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)										
Total	01	16	01	17	01	00	01	17	01	18

$\textbf{7.F. Training programmes for Extension Personnel } \quad \textbf{including sponsored training programmes (off campus) -Nil}$

	No.]	No. of	Partici	pants			
Area of training	of		General			SC/ST		Gı	and To	tal
The of truming	Cour ses	Ma le	Fema le	Tot al	Ma le	Fem ale	Tot al	Ma le	Fem ale	Tot al
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										
Low cost and nutrient efficient diet designing										
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)										
Total										

7.G. Sponsored training programmes conducted

		No. of				No. o	f Parti	cipants	6		
S.No		Course	(Jenera	ıl		SC/ST		Gı	and T	otal
•	Area of training	8	Ma le	Fe ma le	To tal	M al e	Fem ale	Tot al	M al e	Fe mal e	Tot al
1	Crop production and management										
1.a.	Increasing production and productivity of crops										
1.b.	Commercial production of vegetables										
2	Production and value addition										
2.a.	Fruit Plants										
2.b.	Ornamental plants										
2.c.	Spices crops										
3.	Soil health and fertility management										
4	Production of Inputs at site										
5	Methods of protective cultivation										
6	Others (pl.specify)										
7	Post harvest technology and value addition										
7.a.	Processing and value addition										
7.b.	Others (pl.specify)										
8	Farm machinery										
8.a.	Farm machinery, tools and implements										
8.b.	Others (pl.specify)										
9.	Livestock and fisheries										
10	Livestock production and management										
10.a.	Animal Nutrition Management										
10.b.	Animal Disease Management										
10.c	Fisheries Nutrition										
10.d	Fisheries Management										
10.e.	Others (pl.specify)										
	Integrated farming system	06	122	39	16 1	18	01	19	14 0	40	180
11.	Home Science										
11.a.	Household nutritional security										
11.b.	Economic empowerment of women										
11.c.	Drudgery reduction of women										
11.d.	Others (pl.specify)										
12	Agricultural Extension										
12.a.	CapacityBuilding and Group Dynamics										
12.b.	Others (pl.specify)										
	Total	06	122	39	16 1	18	01	19	14 0	40	180

- Details of sponsoring agencies involved
 1. Karnataka state Department of Agriculture
 2. Karnataka state Department of Horticulture

7.H. Details of Vocational Training Programmes carried out by KVKs for rural youth: Nil

		No.				No. of	f Partic	ipants			
S.N	Area of training	of		Genera	l		SC/ST		Gı	and To	tal
0.	Area of training	Cour	Ma	Fem	Tot	Ma	Fem	Tot	Ma	Fem	Tot
		ses	le	ale	al	le	ale	al	le	ale	al
1	Crop production and										
	management										
1.a.	Commercial floriculture										
1.b.	Commercial fruit production										
1.c.	Commercial vegetable										
	production										
1.d.	Integrated crop management										
1.e.	Organic farming										
1.f.	Others (pl.specify)										
2	Post harvest technology and										
	value addition										
2.a.	Value addition										
2.b.	Others (pl.specify)										
3.	Livestock and fisheries										
3.a.	Dairy farming										
3.b.	Composite fish culture										
3.c.	Sheep and goat rearing										
3.d.	Piggery										
3.e.	Poultry farming										
3.f.	Others (pl.specify)										
4.	Income generation activities										
4.a.	Vermi-composting										
4.b.	Production of bio-agents, bio-										
	pesticides,										
	bio-fertilizers etc.										
4.c.	Repair and maintenance of farm										
	machinery										
	and implements										
4.d.	Rural Crafts										
4.e.	Seed production										
4.f.	Sericulture										
4.g.	Mushroom cultivation										
4.h.	Nursery, grafting etc.										
4.i.	Tailoring, stitching, embroidery,										
4 .	dying etc.										
4.j.	Agril. para-workers, para-vet										
4.1	training										
4.k.	Others (pl.specify)										
5	Agricultural Extension										
5.a.	Capacity building and group										
<i>-</i> 1	dynamics										
5.b.	Others (pl.specify)										
	Grand Total										

<u>PART VIII – EXTENSION ACTIVITIES</u>

Extension Programmes (including extension activities undertaken in FLD programmes)

Nature of Extension	No. of	No. of Pa	o. of Participants (General) No. of Participants SC / ST			ants	No	o.of extensi		
Programme	Programmes	Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	08	320	53	373	24	07	31	25	0	25
Kisan Mela	0	0	0	0	0	0	0	0	0	0
Kisan Ghosthi	03	275	0	275	0	0	0	0	0	0
Exhibition	11	1441359	0	1441359	0	0	0	45580		45580
Film Show	08	2032	0	2032	0	0	0	41	0	41
Method Demonstrations	13	282	0	282	0	0	0	06	0	06
Farmers Seminar	3	103	72	175	39	48	87	35	0	35
Workshop	0	0	0	0	0	0	0	0	0	0
Group meetings	11	332	0	332	0	0	0	14	0	14
Lectures delivered as	67	3591	1092	4683	717	370	1087	235	0	235
resource persons										
Newspaper coverage	36	0	0	0	0	0	0	0	0	0
Radio talks	03	0	0	0	0	0	0	0	0	0
TV talks	02	0	0	0	0	0	0	0	0	0
Popular articles	03	0	0	0	0	0	0	0	0	0
Extension Literature	10	0	0	0	0	0	0	0	0	0
Advisory Services	136	1355	0	1355	0	0	0	246	0	246
Scientific visit to farmers	68	561	0	561	0	0	0	58	0	58
field		301		301		U	0	36		36
Farmers visit to KVK	62	664	0	664	0	0	0	135	0	135
Diagnostic visits	68	518	0	518	0	0	0	77	0	77
Exposure visits	11	227	15	242	13	0	13	07	0	07
Ex-trainees Sammelan	0	0	0	0	0	0	0	0	0	0
Soil health Camp	0	0	0	0	0	0	0	0	0	0
Animal Health Camp	01	30	0	30	0	0	0	0	0	0
Agri mobile clinic	0	0	0	0	0	0	0	0	0	0
Soil test campaigns	0	0	0	0	0	0	0	0	0	0
Farm Science Club	0	0	0	0	0	0	0	0	0	0
Conveners meet	U	U	U	U	U	U	U	U	U	U
Self Help Group	0	0	0	0	0	0	0	0	0	0
Conveners meetings		U	U	U	0	U	U	U	U	U
Mahila Mandals	0	0	0	0	0	0	0	0	0	0
Conveners meetings		U	U	U	0	U	U	U	U	U
Celebration of important										
days										
Vanamahotsava	1	12	4	16	0	0	0	58	0	58
Honey bee day	1	63	2	65	9	0	9	5	0	5
celebration	1	0.5		0.5						
Swachhta Bharath	12	360	28	388	2	4	6	37	0	37
International rural	12	2	26	28	0	28	28	0	0	0
womens day and world	1	2	20	20	0	20	20	U		U
food day										
World Soil Day	1	251	174	425	87	46	133	9	0	9
Farmers day	1 1	46	22	68	16	7	23	0	0	0
International Womens	1	0	34	34	0	6	6	2	0	2
day	1	U	34	34	0	U	U			
World water day	1	39	0	39	0	0	0	0	0	0
Any Other (Specify)	0	0	0	0	0	0	0	0	0	0
Sankalp se Siddhi	1	U	U	U	U	U	U	U	U	U
Programm	1	484	50	534	200	50	250	684	100	784
Krishi Unnati Mela-2018	1	162	6	168	31	1	12	193	7	200
Total	545	1453068	1578	1454646	1138	567	1685	47447	107	47554

PART IX - PRODUCTION OF SEED, PLANT AND LIVESTOCK MATERIALS

<u>PART IX – PRODUCTION OF SEED, PLANT AND LIVESTOCK MATERIALS</u>

9.A. Production of seeds by the KVKs

Crop category	Name of the crop	Name of the Variety	Name of the Hybrid	Quantity of seed (q)	Value (Rs)	Number of farmers to whom provided
Cereals (crop wise)	Foxtail millet	Dhft-109-3		3.8	20,900	-
	Barnyard Millet	DHB-93-2 (Unprocessed)		6.0	33,000	UASD seed unit indent
	Hybrid Jowar	-	KSSH- 186	6.8	6,120	-
	<i>Rabi</i> Sorghum	SPV-2217		2.0	9,200	-
	Prosomillet	DHPM-2769		0.20	1,100	-
Oilseeds	Castor	GC-3		1.0	9,500	-
Pulses	Redgram	BSMR-736		1.2	10,680	-
	Horse gram	GPM-6		0.3	1,650	-
Commercial crops	-	-	-	-	-	-
Vegetables	-	-	-	-	-	-
Flower crops	-	-	-	-	-	-
Spices	Tamarind Fruit Auction	Local		-	7000	-
Fodder crop seeds	Fodder Maize	African Tall		1.0	3,900	-
	Fodder sorghum	COFS-29R	_	0.1	6,000	-
Fiber crops	-	-	-	-	-	-
Forest Species	-	-	-	-	-	-
Others (specify)	Sapota Fruit Auction	DHS-2	_	-	34,000	-
Total				22.4	1,43,050	

9.B. Production of planting materials by the KVKs

Crop category	Name of the crop	Variety	Hybrid	Number	Value (Rs.)	Number of farmers to whom provided
Commercial	-	-	-	-	-	-
Vegetable seedlings	Drumstick	Bhagya	-	250	3750	-
Fruits	Sapota	-	DHS-2	1500	75000	-
	Sapota	-	DHS-1	500	25000	-
	Guava	L-49		250	10000	
Ornamental plants	-	-	-	-	-	-
Medicinal and Aromatic	-	-	-	-	-	-
Plantation	-	-	-	-	-	-
Spices	Curry Leaf	Suvasini		1500	22500	-
	Curry Leaf	Local		500	7500	-
	Tamarind	Local		250	10000	-
Tuber	-	_	-		-	-
Fodder crop saplings	-	-	-	-	-	-
Forest Species	-	-	-	-	-	-
Others(specify)	-	-	-	-	-	-
Total				4750	153750	-

9.C. Production of Bio-Products

Bio Products	Name of the bio- product	Quantity Kg	Value (Rs.)	Number of farmers to whom provided
Bio Fertilizers	-	-	-	-
Bio-pesticide	-	-	-	-
Bio-fungicide	Trichoderma	300	39,000/-	200
Bio Agents	-	-	-	-
Others (specify)	Vermicompost	2500	12,500/-	15
Total		2800	51,500/-	215

9.D. Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	Number of farmers to whom provided
Dairy animals				
Cows				
Buffaloes				
Calves	HF cross	04	-	-
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)				
Sheep	Decanni	12	-	-
Sheep	Ram bullet	02	-	-
Total		08	-	-

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 ((Date of start, Periodicity, number of copies distributed etc.)

Date of start	Periodicity	Number of copies
2004-05	Quarterly	500

(B) Literature developed/published

Item	Title	Authors name	Number
Research	A scale to measure managerial leadership	Geeta S Tamgale and Chhaya Badiger	01
papers	among Panchayat Development Officers		
Research	Managerial leadership among Panchayat	Geeta S Tamgale and Chhaya Badiger	01
papers	Development Officers of Northern		
	Karnataka		
Research	Job performance and satisfaction of	Geeta S Tamgale and Chhaya Badiger	01
papers	Panchayat Development Officers of		
	Northern Karnataka		
Research	SWOT analysis of Panchayat Development	Geeta S Tamgale and Chhaya Badiger	01
papers	Officers (PDOs) in panchayat raj system		
Research	Real-time nitrogen management in aerobic	Yogendra N D., Kumara B H,	01
papers	rice by adopting leaf colour chart (LCC) as	Chandrashekar N, Prakash N B.,	
	influenced by Silicon	Anantha M S and Shashidhar H E	
Research	Long-term effect of organic manures and	Kumara, B. H., Antil, R. S., Ch.	01
papers	fertilizers on soil fertility and soil carbon	Srinivasa Rao., Devraj	
1 1	management index after 16 years cycles of	, ,	
	pearl millet-wheat cropping system in an		
	Inceptisol of subtropical India		
Research	Continuous application of organic manures	Kumara, B. H, R. S. Antil. and Devraj	01
papers	and fertilizers on soil organic carbon pools	3	
1 1	and nitrogen fractions after 16 years cycles		
	of pearl millet–wheat cropping system		
Research	Long-term effects of organic manures and	Kumara, B. H, R. S. Antil, Priya, H.	01
papers	inorganic fertilizers on organic carbon and	R. and Devraj	
r - r	nutrient contents insoil under pearl millet-]	
	wheat cropping sequence		
Research	Performance of chickpea as influenced by	Priya, H. R, Shashidhara, G. B. and	01
papers	mulching practices in maize-chickpea	Kumara, B. H	
1 1	cropping system	,	
Research	Retrospective studies on occurrence and	Patil, A.S., Balaganur , V., Chauhan,	01
papers	surgical management	V., Nagaraj ,B.N., and Ranganath,	
1 1	of esophageal obstruction in bovines	L.	
Research	Anti inflammatory effect of alcoholic	Kumari, R. R., Lingaraju, M.C.,	01
papers	extract of entada pursaetha dc in LPS	Gupta, G., More, A. S., Balaganur,	
r · r ·	induced inflammation in mice and RAW	V., Kumar, D., Kumar P., Kumar, D.,	
	264.7 cells	Sharma, A. K., Mishra S.K., Tandan,	
		S. K	
Research	Occurrence and surgical management of	Patil, A.S., Balaganur , V., Kumar, A	01
papers	unilateral horn fractures in cattle - a	.G.K and Nagaraj, B.N.,	
r · r ·	retrospective study	, , , , , , , , , , , , , , , , , , , ,	
Abstract in	mKisan Portal – Mobile Based Services for	Priya, P., Rekha, K.N., Geeta S.	01
National	Farmers of Haveri District of Northern	Tamagale, Sarojani J.	
conference	Karnataka published in SMART-AGRI	Karakannanavar, K.P.	
	National conference held from 23 – 24th	Gundannanavar, Harish, D.K.,	
	January, 2018 at UAS Dharwad (Poster	Venkanna Balaganur, Krishna Naik,	
	presentation)	L., Kallesh, D.T., Guruprasad, G.S.	
	1 , , ,	and Jagadeesh, B.R.	

Technical	-	-	-
reports			
News letters	-	-	-
Technical bulletins	-	-	-
Popular articles	Biru besigege tampu tambuligalu	Geeta Tamgale	01
Popular articles	Mavu pidegala nirvahane avsyaka	K.P.Gundannanavar.,Harish D.K,.	01
Popular articles	Keetanasakagala surakshitha balake	K.P.Gundannanavar.,Harish D.K,.	01
Extension literature	Baaleya samagra bele nirvahane	Yashaswini sharma, S.A. Ashtaputre, D.S.M. Gowda., Geeta Tamgale and Ashok P	01
Extension literature	Elekosuvinalli sudharita besaya kramagalu	Yashaswini sharma, S.A. Ashtaputre, D.S.M. Gowda., Geeta Tamgale and Ashok P	01
Extension literature	Irulli besaya haagu sasya samrakshana kramagalu	Yashaswini sharma, S.A. Ashtaputre, D.S.M. Gowda., Geeta Tamgale and Ashok P	01
Extension literature	Tomato beleyalli sudharita besaya	Yashaswini sharma, S.A. Ashtaputre, D.S.M. Gowda., Geeta Tamgale and Ashok P	01
Extension literature	Totagaarika belegalalli mannu pareeksheya mahatva	Jagadish., Harish, D. K., Krishna Naik, Geeta Tamgale., Priya, P., Gundannavar, K.P., Venkanna Balaganur and Kallesh D T	01
Extension literature	Yeleballiyalli roga nirvahane	Ravikumar M R., Harish, D. K., Gundannavar, K.P., Geeta Tamgale., Priya, P., Venkanna Balaganur, Krishna Naik and Kallesh D T	01
Extension literature	Pashupaalaneyalli azolla mahatva	Venkanna Balaganur, Geeta Tamgale., Gundannavar, K.P., Harish, D. K., Priya, P., Krishna Naik and Kallesh D T	01
Extension literature	Krishiyalli jeenu saakanikeya mahatva	Gundannavar, K.P., Harish, D. K., Krishna Naik Venkanna Balaganur, Geeta Tamgale., and Priya, P	01
Extension literature	Kadale beleya adhika utpadanege sudharita besaya kramagalu	Priya, P., Gundannavar, K.P., Harish, D. K., Geeta Tamgale., Krishna Naik and Kallesh D T	01
Extension literature	Mannu maadari sangrahane, pareekshe, vishleshane mattu rasagobbaragala shiparassu	Jagadish., Krishna Naik, Gundannavar, K.P., Geeta Tamgale., Harish, D. K., Priya, P., Venkanna Balaganur and Kallesh D T	01
Others (Pl. specify)	-	-	
TOTAL			27

10.B. Details of Electronic Media Produced

S. No.	Type of media (CD / VCD / DVD/ Audio-Cassette)	Title of the programme	Number
1	DVD	Transfer of innovative farmers	06
		technology to other farmers	

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).

Title of the Success Story Background

Vermi composting and seedling production

Akkur village, Haveri (Tq & Dist.) has received the average to below average rainfall. Therefore crop failure is more or yield of crops is very low. The major irrigation sources of this taluk are bore well only. Under bore well irrigation system, the major crops are vegetables, cotton, maize etc in general. But Sri Salimath has adopted water conservation technology, adoption & promotion organic farming, nursery raising and vermi composting etc.

Interventions: Technology In his 15 acre 32 gunta land, 8.0 acre of land, he cultivated horticulture crop or making into orchids, in which he planted plantation crops like 400 coconut tree, 800 arecanut tree plants and also planted tree spices like 500 teak plant, 1000 acacia plants and around 2000 pongamia plants. For successful agriculture, he adopted soil & water conservation techniques like construction of bunds, farm pods, water harvesting techniques etc apart from this he had 3 bore wells to full fill the irrigation requirement of his farm. Under irrigation system he cultivated the maize, cotton, vegetable and raising nursery seedling. He will get more income from selling of coconut nursery plant and Arecanut nursery plants. He got more income from sale of 500 to 1000 coconut seedling, three to six thousand Arecanut seedlings. Apart from this he also prepares the Jeevamrutha and biodigestor, honey bee rearing and azolla cultivation etc. He constructed eight compost pits, from this he will harvested about 1200 to 1500 bags compost in a year. He got the award for his honey bee rearing and honey sale from Jnana Bharathi Vishwa Vidhyala, Bangaluru.

Impact

Horizontal Spread Around 20 – 25 farmers of neighboring village had adopted the technology. Like vermi

composting, water conservation technique, raising of nursery seedling, etc

Economic gains Vermicompost @ Rs. 30000/-

Coconut seedling @ Rs. 25000/-Arecanut seedling @ Rs. 10500/-

Employment Generation

This integrated approach has generated employment opportunity for about 100 – 150 person per

annum









Title of the Success Story

1. Backgound

: Modern Poultry production.

: Shri Bhasasabha Doddamani reared broiler poutry of 1000 per batch in a house measuring 100 ft X 100 ft which is made with modern technologies with guidance of the specialist of Animal Science, KVK Hanumanamatti, Haveri District.

2. Intervention Technology

: Shri Bhasasabha Doddamani, a known poultry farmer of village faced many constraints in his farming due to series of drought. He started to rearing a poultry farm of about four batches around 1000 bird in a each batches.

3. Impact Horizontal Spread

Shri Bhasasabha Doddamani became a role model for rural youths as a potential agro-entreprenuer who ensure a sustainable livelihood security for a farm family by scientific broiler poultry production. Shri Bhasasabha Doddamani also played a key role in horizontal spread of technology and by understanding the benefit of this modern poultry production.

4. Impact Economic Gains

Increase body weight of 2.0 kg/bird and 200 egg/year/bird were recorded by modified poultry production.









Title of the Success Story

Integrated crop management in bengalgram

Background

Bengal gram is a major *Rabi* crop which is being cultivated on black soil in the district. However, bengalgram yield has been decreased drastically due to improper crop management in recent past. Looking in to these reasons KVK team of scientists has planned to conduct integrated crop management programme based on focused group discussion with farmers in different villages. Accordingly the front line demonstration on ICM in bengalgram has been conducted in different villages in different talukas of the district from last 2 to 3 years.

Intervention Process

The frontline demonstration on ICM in Bengalgram was carried out in different talukas by selecting the farmers from 2 to 3 villages in a cluster form. The selected farmers were trained about technology through on & off campus training, group discussion, Method demonstration etc.,

Interventions: Technology

The integrated crop management programme was implemented in farmers field with different interventions such as use of improved bengalgram variety GBM-2, use of *Trichoderma*, *Rhizobium* and PSB for seed treatment, Use of sorghum as sprinkle crop to facilitate birds for pod borer control naturally, Setting up of pheromone traps for monitoring the incidence of pod borer. Use of neem based insecticides against podborer at early stage, Need based application of profenophos @ 2 ml/L of water against podborer, *Helicoverpa armigera*.

Impact Horizontal Spread

Adoption of ICM programme in bengalgram resulted better yield which in turn attracted many neibouring farmers. As a result the technology has been spread to other villages due to adoption by many farmers. Presently, more than 250 farmers from nearby villages are practicing the technology in their field.

Economic gains

Adoption of ICM technology in bengalgram resulted 25-30 % more yield and higher economic returns compared to farmers practice

Employment Generation

More farmers have been realized that the cultivation of bengalgram under ICM is a profitable one. As a result more area comes under bengalgram which in turn paves way for employment opportunity for at least 80-100 persons from one hectare area in each cropping season.













Training programme & Field day

Title of the Success Story Farmer Name

Details of Success Story
1. Backgound

: Vegetable intercropping in Papaya.

: Sri Rajashekaraggouda S Patil

Village: kakol Tq:Ranebennur Di:Haveri

: Shri Rajashekar K Patil is a progressive and innovative farmer of the Kakol village, Ranibennur Talluk of Haveri District. He has 2.22 acres of irrigated land. Earlier the same farmer was engaged with banana cultivation but not practicing vegetables as inter crop and income was narrow to the cost of cultivation. Afterwards visit to the KVK Hanumanamatti, famer was realized that practicing vegetables as intercrops such as Knol-khol, Beetroot, Carrot in papaya during the pre bearing stage and fetches the additional income.

2. Intervention Process

: He is an inspiration to fellow farmers of his village with an inter crops of vegetables with papaya. He is practicing vegetables as intercrops such as Knol-khol, Beetroot, Carrot in papaya during the pre bearing stage and fetches the extra additional income with saving of the available resources such as land, lobour, water and time can be utilized efficiently. The weed, pest and disease problem can be reduced with these vegetables as intercrop. Shri Rajashekar K Patil farmer getting the more income per unit area with reduction of cost of cultivation at greater extent.

3. Intervention Technology

: Shri Rajashekar K Patil cultivated total three different type of vegetables like carrot 0.60 ha, beetroot 0.20ha, and knoll-khol 0.20ha as intercrop in papaya in 1.0 ha area.

4. Impact Horizontal Spread

: Shri Rajashekar K Pati became a role model for the rural youths as a potential fruit grower along with vegetables who ensure a sustainable livelihood security for a farm family by vegetable intercropping in papaya. Shri Rajashekar K Pati also played a key role in horizontal spread of technology and by understanding the benefit of this intercropping in papaya.

5. Impact Economic Gains

Totally, he is getting an annual income of 8.50 lakh from his own farm. He is an inspiration to fellow farmers of his village with an intercrop of vegetables with papaya. He is earning net profit of 7.10 lakh from the growing of papaya and 1.40 lakh by the different vegetables crops in the same piece of land.



Title of the Success Story

: Large Scale Backyard Poultry Production.

Farmer Name

: Sri Honnappa Honnappalavar

Village, Medleri Tq: Ranebennur, Dist . Haveri

Details of Success Story

1. Backgound

: Shri Honnappa Honnappalavar reared swarnadhara poultry of 500 per batch in a house measuring 50 ft X 20 ft which is made with local available materials with guidance of the specialist of Animal Science, KVK Hanumanamatti, Haveri District.

2. Intervention Process

: He reared a total of 500 swarnadhara birds / batch in the poultry rearing house having capacity of 500 poultry birds at a time & the birds were fed commercial poultry fed along with vegetable residues. He reared 2 batches of swarnadhara /year

3. Intervention Technology

: Shri Honnappa Honnappalavar, was advised to rear swarnadhara birds in house with out allowing them to scavenge freely. He was also advised to feed commercial poultry feed and vegetable residue.

4. Impact Horizontal Spread

Shri Honnappa Honnappalavar became a role model for other farmers as integrated farming system farmer, ensure a sustainable livelihood security for a farm family by large scale backyard poultry. Shri Honnappa Honnappalavar also played a key role in horizontal spread of technology and by understanding the benefit of this integrated backyard swarnadhara poultry production.

5. Impact Economic Gains

Swarnadhara birds gained body weight of 4kg/bird in 4 months of age and swarnadhar birds were sold @ of 160/kg live weight earning around 2 lakhs from rearing the swarnadhara birds in one year









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

- The transfer of technology from innovative award winning farmers to other farmers was conducted through training during 2017-18. Financial assistance was received through department of Agriculture and totally 6 trainings were organised the details of the training as mentioned below.
- The innovative technologies of farmers was documented and given publicity during Krishi Mela -2017

Sl.No.	Date	Duration	No. of farmers
1.	13.12.2017 to 15.12.2017	3 days	30
2.	19.12.2017 to 21.12.2017	3 days	30
3.	27.12.2017 to 29.12.2017	3 days	30
4.	03.01.2018 to 05.01.2018	3 days	30
5.	09.01.2018 to 11.01.2018	3 days	30
6.	29.01.2018 to 31.01.2018	3 days	30
7.	Krishi Mela-2017	4 days	16

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: Group meeting, Extension personal contact, Contact farmers
- Rural Youth: Group meeting, Extension personal contact, Contact farmers
- Inservice personnel: As per indent of line departments

10.G. Field activities

i. Number of villages adopted: 18ii. No. of farm families selected: 142iii. No. of survey/PRA conducted:

10.H. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab

1. Year of establishment : 01.04.2005

2. List of equipments purchased with amount :

Sl. No	Name of the Equipment	Qty.	Cost
1	Soil moisture tensio meter (30 cm x 9" length)	1	477.00
2	Pestle and mortar (Beed casting)	1	85.00
3	Shakining Machine Orbitek (250 ml clams -25 No. RPM 140 to 250 RPM) (Size 20" x 13 " x 4")	1	47025.00
4	Electronic Weighing Machine (210 gm, Table top Machine NO. 1225400254)	1	57000 .00
5	Electrical + Micro processor based automatic N Dist. System Electrical automatic KEL + Microprocessor based 6+ Macro block Digastion System	1 1	142844.00
6	Flame photometer FGCL0378 SN 189/0801	1	32040.00
7	pH Analysis with CL - 51B (FGL 1612 SN 244/0669)	1	8900.00
8	Scanning Visible Spectro photometer. Model: SL 177 (SN 212/0269)	1	40050.00
9	Eletrical Conduntivity Bridge EC- TDS Analysis (FGCM 183 SN 132/0492)	1	9790.00
10	Hot air oven digital make : scientek (Temp to 250 deg. C	1	17228.00

	Make:Scientific 24' x12' Stainless steel 304 top plate provided gy regulator On & Off	1	3046.00
	es Weighing scale with battery Back up, Table top 2000 gm	1	10471.00
	luminum Pan (30x40x5 cm)	08 (1	150+120+20
	luminum Pan (20x30x3.8 cm)	broken)	0
	luminum Pan (12.5x15x2.2 cm)	oroken)	
	d morter (Wooden make)	1	1000.00
	100 mm x 50 mm size)	1	15435.00
Double D	istillation water still (Glass) Silica sheated Heater 2 lit/hr (Not	1	16000.00
working)		1	
17 Double D working)	istillation water still (qutrz) Silic sheated Heater 4 lit/hr (Not	1	43050.00
	ke 220 lit. cap. Refigartor	1	10765.00
	make 500 VA Stablizer	1	1220.00
20 Stand for	Refigator (plastic)	1	300.00
21 D +1 1	A 1 1 2 20	(broken)	1200.00
	Augar head size 3"	1	1200.00
**	e Augar Head size 1.5 "	1	980.00.
	net 78" x 36"x 18" with 5 compartments	9	47934.00
	gle rack (6' x3'x15')	5	7105.00
	30"x 9" x15'	5	6156.00
25		(1	
		damaged)	
	y table 88"x 30"x36" with granite top	4	75776.00
	y table 72"x 30"x36"	4	16931.00
	y table 58"x 30"x30"	3	50793.00
29 Laborator	y table 58"x 30"x30" with granite top	3	50793.00
30 Exhaust fa	an Almana	3	4500.00
31 Wash bas	in 24" x 18"	3	4500.00
	r Solar make	1	1500.00
	y Stools 12"x12"x42"	5	4140.00
	Eletrode type CL 51 B for pH meter (model: L1 612)	1	850.00
	Swan nack	3	2355.00
1	ty cell type CC- 03B for Condutivity meter (model: CM 183)	1	1000.00
	of Glasss Cuvettes (Model: SL 177)	1	2300.00
Software	and interfacing accessories for Spectrophotometer (Model: SL alled inside)	1	20000.00
		1	22451 00
	ilter for Flame Photometer (Model: CL 378) (installed inside)	1	23451.00
	Acid Neutralizer Scrubber. Model: KEL VAC.	-	19398.00
	Rack. Model: KES 06 LTR.	1	6300.00
	Manifold System with Teflon Adaptors. ES 06 LEM.	1	7160.00
Viton Tub	e for Triacid and Diacid Digestion	1	3250.00
Model: K			
	tner " Bhanu make " model AS 600	1	9752.00
	ter Heater for Double Distillation Water Still (Glass) /hr (One set –Two Nos. for Boiler I & II)	1	2837.00
Δn i -	ca Heater for Double Distillation Water Still (Quartz)	1	5201.00
	r (One set –Two Nos. for Boiler I & II) tner " Bhanu make " model AS 600	1	16/25 00
	with printer interface, ATC proble, combined Electrode CL 51	1 1	16435.00 23006.00
B, stand, 1	ouffer (ELICO)	1	
	Analyser with temp. probe and conductivity cell CC03 B stand holding clamp (ELICO)	1	25955.00.
50 Combined			1145.00
All alace o	single distillation unit W/Built in Silka heater stand 1.5 ltr	1	17450 .00
Borocil Borocil			
52 All glass s Borocil	single distillation unit W/Built in Silka heater stand 1.5 ltr	1	19980 .00
		85	813194.00

Details of samples analyzed so far since establishment of SWTL:

Details	No. of Samplesanalyzed	No. of Farmers benefited	No. of Villages	Amount realized (Rs.)
Soil Samples	14183	14028	1837	92,51,20
Water Samples	12680	12625	1116	6,469,50
Plant samples	-	=	-	-
Manure samples	-	-	-	-
Others (specify)	-	-	-	-
Total	26863	26653	2953	15,72,070

Details of samples analyzed during the 2017-18:

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages	Amount realized (Rs.)
Soil Samples	2846	2846	391	2,01,260
Water Samples	2452	2452	357	1,22,600
Plant samples	-	-	-	-
Manure samples	-	-	-	-
Others (specify)	-	-	-	-
Total	5298	5298	748	3,23,860

Details of soil health cards issued during the 2017-18:

Date (s)	Farmers participated	No. of Samples	Soil health cards issued	No. of Villages	Public representatives participated	
		analyzed			MLA/Ministe	Other
						Dignitaries/
						Chief guests
05.12.2017	650	2846	494	840	Shri	Dr. C P
					Shivakumar	Mansur
					Udasi,	,Dean (Agri)
					Hon'ble MP	& Shri
					Haveri	Mallanna
						Nagaral,
						Progressive
						farmer

10.I. Technology Week celebration during 2017-18: Nil

Period of observing Technology Week: From to

Total number of farmers visited : Total number of agencies involved :

Number of demonstrations visited by the farmers within KVK campus :

Other Details

Types of Activities	No. of Activities	Number of Farmers	Related crop/livestock technology
Gosthies			
Lectures organized			
Exhibition			
Film show			
Fair			
Farm Visit			
Diagnostic Practicals			
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			

10. J. Interventions on drought mitigation (if the KVK included in this special programme)

A. Introduction of alternate crops/varieties

State	Crops/cultivars	Area (ha)	Number of beneficiaries

B. Major area coverage under alternate crops/varieties

Crops	Area (ha)	Number of beneficiaries
Oilseeds		
Pulses		
Cereals		
Vegetable crops		
Tuber crops		
Total		

C. Farmers-scientists interaction on livestock management

State	Livestock components	Number of interactions	No.of participants
Total			

D. Animal health camps organized

State	Number of camps	No.of animals	No.of farmers		
Total					

E. Seed distribution in drought hit states

State	Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers
Total				

F. Large scale adoption of resource conservation technologies

State	Crops/cultivars and gist of resource	Area (ha)	Number
	conservation technologies		of
	introduced		farmers
Total			

G. Awareness campaign

State	Meet	ings	Gost	hies	Field	l days	Farn	ners fair	Exhib	oition	Film	show
	No.	No.of	No.	No.of	No.	No.of	No.	No.of	No.	No.of	No.	No.of
		farmers		farmers		farmers		farmers		farmers		farmers
Total												

PART XI. IMPACT

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

Name of specific	No. of	% of adoption	Change in income	(Rs.)
technology/skill transferred	participants		Before (Rs./Unit)	After (Rs./Unit)
Bee keeping	72	15	-	4000/-
ICM in Bengalgram	150	12	Rs. 24959/ha	Rs. 34841/ha
ICM in Bengalgram	150	12	Rs. 24959/ha	Rs. 34841/ha
Sorghum (SPV-2217)	125	70	Rs. 10494/ha	Rs. 15468/ha

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

11.B. Cases of large scale adoption: Nil

(Please furnish detailed information for each case with suitable photographs)

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

PART XII - LINKAGES

12.A. Functional linkage with different organizations

Name of organization	Nature of linkage
State Dept. of Agriculture	Training programmes, joint diagnostic survey and
	participation in meetings, seminars and field days.
State Dept. of Horticulture	Training programmes, joint diagnostic survey and
	participation in meetings, seminars and field days.
Rural Development Institutes	Training programmes, joint diagnostic survey and
(Zilla & Taluk Panchayats)	participation in meetings, seminars and field days.
State Dept. of Animal husbandry & Veterinary	Training programmes, joint diagnostic survey and
Services	participation in meetings, seminars and field days.
Karnataka Milk Federation	Training programmes.
Karnataka State Seed corporation limited	Supply of inputs (seeds) and seed production programme
Women and Child Development Department	Training programmes.
Karnataka Oil Seeds Federation	Supply of inputs
NABARD, Vijaya Bank, State Bank of India,	Participation in meeting, conducting training programmes
M.G. Bank and Syndicate Bank.	and promotion of TTC.
Bharath Agro Industries Foundation, Haveri	Training programmes
GRASIM Janakalyan Trust, Kumar Pattanum	Training programmes.
Sheep and Wool Development Board	Trainings.
State Dept. of Watershed	Training programmes, IFS Demonstration, Seminars and
70770	Field days.
JSYS	Training programmes, Demonstration, Seminars and Field
National Horticultural Research and	days. Joint implementation and participation in
Development Federation	meeting/Training Programme
Spice Board	Joint implementation and participation in
Spice Board	meeting/Training Programme
Different private firms dealing with Medicinal	Training Programmes
and Aromatic crops	Training Programmes
IIHR, Bangalore	Technical consultancy
NGO's	Joint implementation and participation in meeting,
	Trainings workshops
Mahila Mandals and Youth Clubs	Joint implementation and participation in meeting.
Sugar Factories	Joint diagnostic survey and participation in meeting
Karnataka Sugar Institute, Belgaum	Joint diagnostic survey and participation in meeting/
	Training
Successful Entrepreneurs	Training Programme/ Technical Advice
Vijaya Bank Sponsored Employment Training	Joint implementation participation in meeting and
Institute Discourse WWW.	Training Programme.
Ring KVK's	Seeds, planting materials, bio-pesticides and training

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

$12.B.\ List\ special\ programmes\ undertaken\ by\ the\ KVK\ and\ operational\ now,\ which\ have\ been\ financed\ by\ State\ Govt./Other\ Agencies$

Name of the scheme	Date/ Month of initiation	Funding agency	Amount (Rs.)	
Raising income and farmers's	Jan-2017	KAPC,	20,00,000	
welfare		Bengaluru	20,00,000	

12.C. Details of linkage with ATMA

a) Is ATMA implemented in your district

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

Coordination activities between KVK and ATMA

S. No.	Programme	Particulars	No. of programmes attended by KVK staff	No. of programmes Organized by KVK	Other remarks (if any)
01	Meetings	-	-	-	-
U1		-	-	-	-
02	Research projects	-	ı	-	-
03	Training programmes	Improved production technology for different crops	06	01	-
04	Demonstrations	Organic farming Army worm management in maize	06 01	01 08	In Haveri district
05	Extension Programmes Kisan Mela				2333333
	Soil health camps	Soil health day	06	01	KVK Hanumanamatti
	Animal Health Campaigns	-	-	-	-
	Others (Pl. specify)	Millet mela	06	01	KVK Hanumanamatti
06	Publications				
	Video Films	-			
	Books	-	-	-	-
	Extension Literature	-	-	-	-
	Pamphlets	-	-	-	-
	Others (Pl. specify)	-	•	-	-
07	Other Activities (Pl. specify)	-	-	-	-
	Watershed approach	-		-	-
	Integrated Farm Development	-	-	-	-
	Agri-preneurs development	-	-	-	-

Yes

12.D. Give details of programmes implemented under National Horticultural Mission

S. No.	Programme	Nature of linkage	Funds received if any Rs.	Expenditure during the reporting period in Rs.	Constraints if any
01	Mushroom cultivation	Technical support	-	-	Two training

12.E. Nature of linkage with National Fisheries Development Board: Nil

S. No.	Programme	Nature of linkage	Funds received if any Rs.	Expenditure during the reporting period in Rs.	Remarks

12.F. Details of linkage with RKVY: Nil

S. No.	Programme	Nature of linkage	Funds received if any Rs.	Expenditure during the reporting period in Rs.	Remarks

12. GKisan Mobile Advisory Services

	Message		;	SMS/vo	ice calls se	nt (No.)		Total	
Month	type (Text/Voice)	Crop	Livestock	Wea ther	Market ing	Awareness	Other enterprises	SMS/Voice calls sent (No.)	Farmers (No.)
April	Text	5	1	-	-	1	-	7	28571
2017									
May	Text	3	-	-	-	6	1	10	28571
June	Text	7	-	-	-	1	-	8	28708
July	Text	3	-	-	-	1	3	7	28708
August	Text	2	-	-	-	-	2	4	28839
September	Text	2	-	-	-	-	1	3	28843
October	Text	4	-	-	-	-	-	4	29021
November	Text	4	1	-	-	1	-	6	29021
December	Text	0	-	-	-	-	-	-	0
January	Text	11	1	-	-	-	-	12	29282
2018									
February	Text	2	-	-	-	-	-	2	29282
March	Text	8	1	-	1	2	3	15	29282
Total		51	4	-	1	11	10	78	

PART XIII- PERFORMANCE OF INFRASTRUCTURE IN KVK

13.A. Performance of demonstration units (other than instructional farm)

Sl.		Year of	Area	Detai	ls of production		Amoun	t (Rs.)	
No.	Demo Unit	establishment	(ha)	Variety	Produce	Qty.	Cost of inputs	Gross income	Remarks
1	Vemicompost	2014	0.01	-	Vemicompost	25 q	4000	12500	Awareness
									about
									importance of
									Vermicompost
									and there is
									need to have
									large scale
									production
									unit to meet
									increased
									demad of
									farmers
2	Fodder	2017	0.2	COFS-	Fodder	10	3500	6000	Awareness
	Cafeteria			29R,	seeds &	kg			about
				Hedge	fodder				importance
				Lucerne	slips				of dry land
									fodder
									crops

13.B. Performance of instructional farm (Crops) including seed production

Name				Deta	ails of producti	ion	Amou	nt (Rs.)	
of the crop	Date of sowing	Date of harvest	Area (ha)	Variet y	Type of Produce	Qty.	Cost of inputs	Gross income	Remarks
Cereals									
Foxtail millet	27.06.2017	01.10.2017	0.8	Dhft- 109-3	TL	380 kg	12,000	20,900	-
Maize	28.06.2017	28.10.2017	1.2	African Tall	TL	100 kg	3,000	3,900	-
Little millet	29.06.2017	-	0.8	Dhlm- 36-3	TL	0.0	4,000	-	Crop failure due moisture stress
Barnyard millet	08.07.2017	-	1.2	Local	-	-	3,500	-	Crop failure due moisture stress
Hybrid Jowar	07.07.2017	23.10.2017	0.4	KSSH- 186	Hybrid	680 kg	4,000	6,120	-
Rabi Sorghum	17.10.2017	17.01.2018	0.8	SPV- 2217	TL	200 kg	4,500	9,200	-
Prosomille t	26.07.2017	31.10.2017	0.4	DHPM -2769	TL	20 kg	2,000	1,100	-
Fodder sorghum	07.08.2017	10.12.2017	0.2	COFS- 29R	TL	10 kg	3,500	6,000	-
Barnyard Millet	31.08.2017	10.12.2017	0.9	DHB- 93-2	TL (Un processed)	600 kg	16,000	33,000	-
Pulses									
Redgram	24.07.2017	30.01.2018	1.2	BSMR- 736	TL	120 kg	7,000	10,680	-
Horse gram	03.10.2017	03.02.2018	0.2	GPM-6	TL	30 kg	1,000	1,650/-	-

G 1	01.00.2015	1	Τ.	0 7 7	rev.		6000	1	
Sunhemp	01.08.2017	-	2.	.2 Local	TL	-	6000	-	Crop
									failure
									due
									moisture
011									stress
Oilseeds	01.00.2017	05.02.201	2 0	4 66.2	TO	100	4.500	0.5007	
Castor	01.08.2017	05.02.2013	8 0	.4 GC-3	TL	100	4,500	9,500/-	-
***						kg			
Fibers									
-	-	-	-	-	-	-	-	-	=.
	intation crops			Ι ~	T ~		1. 000		T
Curry Leaf	-	-	-	Suvasini	Seedlings	1,500	12,000	22,500/-	-
~					~	Nos			
Curry Leaf	-	-	-	Local	Seedlings	500	3,000	7,500/-	-
				ļ	~	Nos	1 = 00	10.000/	
Tamarind	-	-	-	Local	Seedlings	250	4,500	10,000/-	-
						Nos			
Tamarind	-	-	0.4	Local	Fruit		4,000	7,000/-	-
Fruit									
Auction									
Sale									
Floricultur	-	-	-	-	-	-	-	-	-
e									
-	-	-	-	-	-	-	-	-	-
Fruits									-
Sapota	-	-	-	DHS-2	Seedlings	1,500	25,000	75,000/-	-
						Nos			
Sapota	-	-	-	DHS-1	Seedlings	500	8,000	25,000/-	-
					~	Nos	1000	10.000/	
Guava	-	-	-	L-49	Seedlings	250	6,000	10,000/-	-
						Nos			
Sapota	-	-	2.0	DHS-2	Fruit		20,000	34,000/-	-
Fruit									
Auction									
Sale									
Vegetables									-
Drumstick	-	-	-	Bhagya	Seedlings	250	1,500	3,750/-	-
				ļ		Nos			
Others									
(specify)									
-	-	-	-	-	-	-	-	-	-
ı	-	1	-	-	-	-	-	-	-

13.C. Performance of production Units (bio-agents / bio pesticides/ bio fertilizers etc.,)

Sl.	Name of the		Amo	ount (Rs.)	
No.	Product	Qty	Cost of inputs	Gross income	Remarks
1	Trichoderma	300 kg	15,000	39,000	-
2	Vermicompost	2500 kg	8,000	12,500	-

13.D. Performance of instructional farm (livestock and fisheries production)

	Name	Deta	ails of producti	on	Amour	nt (Rs.)	
Sl. No	of the animal / bird / aquatics	Breed	Type of Produce	Qty.	Cost of inputs	Gross income	Remarks
1	Cow	HFX	Milk (L)	19681.0	2,50,000	523535.5	-
		Deoni					
		cross					
		breed					
2	Sheep	Decanni	Lambs	14	20,000	62,824/-	-

13.E. Utilization of hostel facilities

Accommodation available (No. of beds)

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
April 2017	00	00	
May	0	0	
June	0	0	
July	15	04	
August	0	0	
September	0	0	
October	0	0	
November	33	02	
December	90	06	
January 2018	90	6	
February	4	1	
March	1	10	

13.F. Database management

S. No	Database target	Database created	
1.	Training Database	On Going	
2.	Seeds and Planting Material Database	On Going	
3.	Frontline Demonstrations Database	On Going	
4.	KMAS details	On Going	
5.	Soil Analysis Data Base	On Going	
6.	Water Analysis Data Base	On Going	
7.	KVK Inventory of Assets	On Going	
8.	KVK Publication	On Going	
9.	Extension Programmes	Under progress	
10.	Resource inventory of the District	Under progress	
11.	Farmers Database	Under Progress	
12.	KVK Accounts Database	Under progress	
13.	Technology Inventory for the District	Under progress	
14.	Technologies assessed and Refined	Under progress	

13.G. Details on Rain Water Harvesting Structure and micro-irrigation system: Nil

Amou	Expendit	Details of		Activities	conducted	i		Quanti	Area
nt sancti on (Rs.)	ure (Rs.)	infrastruct ure created / micro irrigation system etc.	No. of Training program mes	No. of Demonstra tion s	No. of plant materi als produc ed	Visit by farme rs (No.)	Visit by offici als (No.)	ty of water harvest ed in '000 litres	irrigate d / utilizati on pattern

PART XIV - FINANCIAL PERFORMANCE

14.A. Details of KVK Bank accounts

Bank	Name of	Location	Branch	Account	Account	MICR	IFSC
account	the		code	Name	Number	Number	Number
	bank						
Saving	State	Ranebennur	00909	Programmer	10811387935	581002102	SBIN0000909
(KVK	Bank of			Co-ordinator			
main)	India						
Saving	State	Ranebennur	00909	Programmer	10811389160	581002102	SBIN0000909
(ICAR RF)	Bank of			Co-ordinator			
	India						
Current	State	Ranebennur	00909	Programmer	36461706479	581002102	SBIN0000909
(ICAR RF)	Bank of			Co-ordinator			
	India						

14.B. Utilization of KVK funds during the year 2017-2018(Rs. in lakh)

S. No.	Particulars	Sanctioned	Released	Expenditure		
A. Recurring Contingencies						
1	Pay & Allowances	86.40	86.40	86.40		
2	Traveling allowances	1.50	1.50	1.45		
3						
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	2.25	2.25	2.16		
В	POL, repair of vehicles, tractor and equipments	2.00	2.00	1.96		
С	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	0.75	0.75	0.66		
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	0.10	0.10	0.09		
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	2.03	2.03	2.03		
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	0.40	0.40	0.35		
G	Training of extension functionaries	0.15	0.15	0.15		
Н	Maintenance of buildings	0.50	0.50	0		
I	Establishment of Soil, Plant & Water Testing Laboratory	0.10	0.10	0.03		
J	Library	0	0	0		
K	Farmers Conclave	0.25	0.25	0.17		
	TOTAL (A)	96.43	96.43	95.45		
B. Nor	B. Non-Recurring Contingencies					
1	Works	0.00	0.00	0.00		
2	Equipments including SWTL & Furniture	0.00	0.00	0.00		
3	Vehicle (Four wheeler/Two wheeler, please specify)	0.00	0.00	0.00		
4	Library (Purchase of assets like books & journals)	0.00	0.00	0.00		
TOTA		0.00	0.00	0.00		
	VOLVING FUND	0.00	0.00	0.00		
GRAN	ID TOTAL (A+B+C)	96.43	96.43	95.45		

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

Year	Opening balance as on 1 st April	Income during the year	Expenditure during the year	Net balance in hand as on 1 st April of each year
April 2015 to	5.89	20.44	18.4	7.93
March 2016				
April 2016 to	7.93	15.80	16.32	7.41
March 2017				
April 2017 to	7.70	7.65	8.47	3.61
March 2018				

15. Details of HRD activities attended by KVK staff

Name of the staff	Designation	Title of the training programme	Institute where attended	Dates
Geeta S Tamagale	Scientist (Home Science)	Value chain and supply chain management for enabling profitability	EEI, Hyderabad	07-08-2017 - 11-08- 2017
		Comprehensive data management system	UAS, Dharwad	10-10-2017 - 11-10- 2017
		Early career motivation course for Asst. Professor	UAS Dharwad	26-11-2017 - 30 -11-2017
		Forum on women labour participation and productivity enhancement	Tokyo, Japan	05-02-2018 - 07-02- 2018
K P Gundannavar	Scientist (Entomology)	Early career motivation course for Asst. Professor	UAS Dharwad	26-11-2017 - 30 -11- 2017
		Agro Ecosystem Analysis (AESA) based Plant Health Management (PHM) in conjunction with Ecological Engineering for Pest Management-Vegetables	NIPHM Hyderbad	18-01-2018 - 07-02- 2018
Shivamurthy D	Scientist (Agronomy)	Orientation training programme for KVK Scientist	KVK Hulkoti	10.08.2017- 12.08.2017
		Comprehensive data management system	UAS, Dharwad	10-10-2017 - 11-10- 2017
Harish D K	Scientist (Horticulture)	Improving agricultural extension and advisory services	MANAGE, Hyderabad	19.04.2017- 21.04.2017
		Induction training course	UAS, Dharwad	24.04.2017- 06.05.2017
		Orientation training programme for KVK Scientist	KVK Hulkoti	10.08.2017- 12.08.2017
		Participation in the Skill Development Training	Mangala bavan UAS GKVK Bangalore,Hebbala	02.01.2018
		Attended one day Orientation training programme	IIHR Bangalore	09.02.2018
		Protected cultivation	UAS Dharwad	09-01-2018 - 29-01- 2018
		Orientation training programme for New technology in horticulture	IIHR Bengaluru	09-02-2018
Priya P	Scientist (Agronomy)	Data analysis of Baseline survey information	ISEC, Bangaluru	20-09-2017 - 21-09- 2017

		Integrated farming system approach for sustainable livelihood	EEI, Hyderabad	14-11-2017 - 18-11- 2017
		Early career motivation course for Asst. Professor	UAS Dharwad	26-11-2017 - 30 -11- 2017
Venkanna B	Scientist (Animal Sciences)	Early career motivation course for Asst. Professor	UAS Dharwad	26-11-2017 - 30 -11- 2017
		Orientation training programme for New technology in Animal Sciences	NIANP Bengaluru	06-02-2018
Rekha K N	Programme Assistant (Computer)	Comprehensive data management system	UAS, Dharwad	10-10-2017 - 11-10- 2017

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