



ICAR - Krishi Vigyan Kendra Karur



Annual Report 2015 -16



ICAR - Krishi Vigyan Kendra

Saraswathi Foundation for Rural Development and Training

Pulutheri Village, R.T. Malai(PO),Kulithalai(TK), Karur(DT) - 621 313

Phone: 04323 291666, E-mail:skvkk@yahoo.co.in, Website : www.skvkk.org

PART I - GENERAL INFORMATION ABOUT THE KVK

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

KVK Address	Telephone		E mail	Web Address
	Office	Fax		
Krishi Vigyan Kendra, Pulutheri Village, R.T. Malai (Post), Kulithalai (Taluk), Karur – 621313.	Mob: 09790020666	-	skvkk@yahoo.CO.in	www.skvkk.org

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

Address	Telephone		E mail	Web Address
	Office	Fax		
Saraswathi Foundation for Rural Development and Training, Camp Office: B-29, Sastri road, Thillainagar, Tiruchirappalli - 620 018.	0431 – 276523 4	0431- 2768283	sarasfound@gmail.com	www.sarasfound.org

1.3. Name of the Senior Scientist and Head with phone & mobile No

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. J. Diraviam	9942198265	9488967675	j_diraviam@rediffmail.com

1.4. Year of sanction: 2005

1.5. Staff Position (as 31st March 2016)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	M/F	Discipline	Highest Qualification (for SSH, SMS and Prog. Asstt.)	Pay Scale	Basic pay	Date of joining KVK	Permanent /Temporary	Category (SC/ST/OBC/ Others)
1	Senior Scientist and Head	Dr. J. Diraviam	Senior Scientist and Head	Male	Ag. Entomology	Ph.D	37400-67000	38800	03.05.10	Permanent	BC
2	SMS	P. Tamilselvi	Subject Matter Specialist	Female	Ag. Extension	MSc	15600-39100	18950	29.05.09	Permanent	SC
3	SMS	Dr. L. Malathi	Subject Matter Specialist	Female	Home Science	Ph.D	15600-39100	16230	16.08.13	Permanent	OBC
4	SMS	P. Kaviyarasu	Subject Matter Specialist	Male	Horticulture	MSc	15600-39100	16230	16.08.13	Permanent	OBC
5	SMS	M. Thirumurugan	Subject Matter Specialist	Male	Agronomy	MSc	15600-39100	16230	16.08.13	Permanent	SC
6	SMS	N. Marikannu	Subject Matter Specialist	Female	Soil Science	M.Sc.	15600-39100	15600	03.07.2015	Permanent	OBC
7	SMS	Dr. R. Arun	Subject Matter Specialist	Male	Animal Science	M. V. Sc (Veterinary Gynaecology & Obstetrics)	15600-39100	15600	19.06.2015	Permanent	OBC
8	Programme Assistant(Lab Tech.)/T-4	P. Karuppasami	Programme Assistant (Lab Technician)	Male	Agriculture	B.Sc	9300-34800	12060	02.12.10	Permanent	SC

9	Programme Assistant (Computer)/T-4	J. Arunkumar	Programme Assistant (Computer)	Male	Computer Science	MCA	9300-34800	12060	29.03.10	Permanent	OC
10	Farm Manager	N. Srithar	Farm Manager	Male	Ag. Entomology	MSc	9300-34800	9710	16.08.13	Permanent	SC
11	Assistant	V. Boopathi	Assistant	Female	Commerce	M.Com	9300-34800	14120	01.09.06	Permanent	OBC
12	Jr. Stenographer	Dr. S. Latha	Stenographer	Female	Arts	Ph.D	5200-20200	9750	03.05.07	Permanent	OBC
13	Driver	R. Veeramalai	Driver	Male	NIL	SSLC	5200-20200	5880	01.11.11	Permanent	OBC
14	Driver	R. Manimaran	Driver	Male	NIL	SSLC	5200-20200	5200	01.09.14	Permanent	OBC
15	Supporting staff	P. Saravanan	Supporting Staff	Male	NIL	SSLC	5200-20200	6090	01.06.10	Permanent	OBC
16	Supporting staff	R. Perumal	Supporting Staff	Male	NIL	8 Standard	5200-20200	6070	01.02.11	Permanent	MBC

1.6. Total land with KVK (in ha) : 21.51ha

S. No.	Item	Area (ha)
1	Under Buildings	3.2
2.	Under Demonstration Units	1.2
3.	Under Crops	6.0
4.	Orchard/Agro-forestry	6.0
5.	Others	5.11

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1	Administrative Building	ICAR	31.03.07	550	2194000	-	-	-
2	Farmers Hostel	ICAR	31.03.07	305	919825	-	-	-
3	Staff Quarters	ICAR	31.03.07	400	1485000	-	-	-
	1			66.6/quarters	-	-	-	-
	2			66.6/quarters	-	-	-	-
	3			66.6/quarters	-	-	-	-
	4			66.6/quarters	-	-	-	-
	5			66.6/quarters	-	-	-	-
4	Demonstration Units	ICAR	31.03.07	320	49525	-	-	-
	1. Dairy unit	ICAR	31.03.07	80	-	-	-	-
	2. Nursery	ICAR	31.03.07	80	-	-	-	-
	3. Sericulture	ICAR + Host	18.09.11	160	551270	-	-	-
5	Fencing	ICAR	31.03.07	2218 RM	524867			
6	Rain Water harvesting system	-	-	-	-	-	-	-
7	Threshing floor	ICAR	13.07.11	450 sq. m.	522972			
8	Farm godown	-	-	-	-	-	-	-
9	Vehicle and Implement shed	ICAR	02.08.11	50 sq.m.	250998	-	-	-

10	Road formation	ICAR	19.02.12	176 RM	320445	-	-	-
11	Land leveling	ICAR	27.07.11	13 acres	199000	-	-	-
12	Irrigation System	ICAR	17.08.11	NA	298875	-	-	-

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Bolero Jeep	2005	500000	226728	Good
Honda Activa	2005	40000	36087	Good
Hero Honda (Super Splendor)	2009	50000	42082	Good

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Tractor with accessories	2005	500000	Good
Camera	2006	20000	Good
Photo copier	2006	75000	Not in working condition
LCD	2006	72000	Good
Computer with accessories	2006	28000	Good
Generator	2011	150000	Good
EPBAX System	2011	50000	Good
Power tiller	2010	150000	Good
Laser guided land leveler	2011	348750	Good
Plant Health Diagnostic facility	2011	1224630	Good

1.8. Details SAC meeting conducted in 2015-16

Sl. No.	Date	Nos of Participants	No. of absentees	Salient Recommendations	Action taken
1	6/10/2015	29	29	KVK should concentrate on diversified crop cultivation in horticulture belt	Trainings conducted to farmers on diversified crops cultivation using advanced technologies.
2				Cluster bean to be introduced among farmers.	Cluster bean cultivation techniques and marketing demand explained during trainings. Now farmers started to cultivate Cluster bean
3				KVK should include dry tract fruit crops such as pomegranate, jamun, jack, wood apple and Manila tamarind cultivation	Awareness created among the farmers to cultivate dry land fruit crops.
4				Trainings on Scientific Ixora flower cultivation to be organized.	Training to farmers given through IOB, RSETI training on commercial flowers cultivation.
5				KVK to depute resource person in trainings and exposure visits to 52 horticulture groups organized by State department.	KVK has regularly deputed Resource person for the Horticulture Department trainings in different blocks.
6				In order to make Quality seeds and	Our KVK producing quality

				seedlings available on time, KVK has to undertake production and supply of the same.	seeds, slips and seedlings of vegetables from our nursery.
7				Rural youth and farm women participation to be enhanced.	Four trainings were conducted to rural youth and farm women(75 members)
8				Training on Cultivation and value addition of minor millets to be organized.	Three value addition in millets trainings were conducted(80 members) and 3 millets cultivation training (60 farmers) through ATMA programme
9				Trainings on Organic farming for major crops to be organized by KVK.	Advisory and lecture delivered on Organic cultivation and organic inputs preparation methods in ATMA Training programmes
10				Training on Plant protection aspects to be organized for farmers	Integrated pest and disease management in agricultural and horticultural crops were organized. Technical sessions on IPM handled in ATMA trainings.
11				As the subsidy schemes are not eligible for crop varieties released 10 years earlier, KVK needs to identify new suitable crop varieties for availing subsidy.	Identified new suitable varieties in black gram VBN-5 & 6, Groundnut varieties CO-7 and Kadiri 9, Paddy TKM 13, CO (R) 51.
12				Critical technologies assessed/demonstrated shall be documented and submitted to concerned departments for scaling up.	Critical technologies are assessed, demonstrated, documented and submitted to State Agricultural Department, Karur.
13				The feedback given by farmers about new technologies should be informed to TNAU and other relevant institutions through proper channel	The feedback given by farmers about new technologies were informed to TNAU and State Agricultural / Horticultural department
14				The adopter, non adopter percentage and reasons for non adoption to be studied in all KVK trainings.	The adopter, non adopter percentage and reasons for non adoption were studied in on, off and vocational trainings.
15				Agri-tech portal information to be disseminated among farmers.	Agri-tech portal information was disseminated among farmers through advisory services and group meetings.
16				Success stories to be disseminated through DD Podhigai channel.	Success stories were disseminated through Makkal TV.
17				SMS (Agrl.Extn) should study the difference between KVK contact farmer's loan repayment behaviour	Study in progress

				and other farmer's loan repayment behaviour.	
18				Tree fodder seed banks to be developed by KVK.	Subabul seeds
19				Awareness programme on importance of chaff cutter to be organized by KVK	In every training importance of chaff cutter was included
20				Animal husbandry officials to be involved in KVK trainings.	Two Animal health camps were conducted in coordination with Animal Husbandry. Animal husbandry officials invited for ATMA Sponsored training organized by KVK
21				Training on Supply chain Management, formation of Farmers Producer Company and Market led Agriculture to be organized by KVK.	KVK formed 2 Farmers Producers company with the financial support of NABARD.
22				Farmers to be sensitized on prompt repayment of crop loans during all KVK Programmes.	Farmers were sensitized on prompt repayment of crop loans during all KVK Programmes.
23				Bank officials to be invited in KVK training programmes to sensitize the farmers on various loan products.	Bank officials were invited in Sponsoring training programmes to sensitize the farmers on various loan products.
24				KVK to play the bridging role with all line departments for effective technology dissemination.	KVK played the bridging role with all line departments for effective technology dissemination

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	Paddy – pulses Paddy – oil seed Groundnut- Paddy Pearl Millet – chillies Cholam (Jowar) –Vegetables

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

S. No	Agro-climatic Zone	Characteristics
1	Sub zone III : Western Zone Sub zone IV : Cauvery delta zone Sub zone V : Southern zone	Topography : Flat and gently slope Major rivers: Cauvery, Amaravathy and its tributaries Monsoon : North East Monsoon Principle crops : Rice, banana, millets, oilseeds and pulses Irrigation sources: River channels, wells and tanks

S. No	Agro ecological situation	Characteristics
1	D3.4 Semi arid, hot- Tamil Nadu upland	Growing period of 90- 180 days and little to moderate moisture availability
2	D 4.4 Semi arid, hot central peninsular plateau	Growing period of 120- 170 days and moderate moisture availability

2.3 Soil type/s

S. No	Soil type	Characteristics	Area in ha
1	Irugur	Moderately deep to deep, Fine loamy texture, gently sloping, moderately rapid permeability, Neutral reaction, Free from salinity, Non calcareousness	92785
2	Tulukkanur	Deep to very deep, Fine textured, gently sloping, Moderately rapid permeability, High WHC, Medium CEC, High OC, Neutral reaction, Free from salinity	90248

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	Paddy	13444	74789	5563
2	Jowar	25985	32559	1253
3	Pearl Millet	521	1165	2237
4	Redgram	3803	5324	1400
5	Chillies	366	228	622
6	Sugarcane	2520	25452	10100
7	Banana	2909	175543	60345
8	Groundnut	4594	14737	3208
9	Gingelly	4627	2831	612
10	Maize	2327	14527	6243

Source: Karur District Statistical handbook 2014-15

2.5. Weather data

Month	Rainfall (mm)	Temperature ⁰ C		Relative Humidity (%)
		Maximum	Minimum	
April	125	37	27	78
May	127	33	24	74
June	9	36	25	68
July	24	35	27	60
August	117	36	27	60
September	22	37	26	64
October	138	33	25	74
November	263	30	24	82
December	5	31	21	80
January - 15	0	31	21	79
February	0	32	22	80
March	0	38	24	75

Source: ICAR -KVK, Karur.

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

Category	Population(Nos)	Production	Productivity
White Cattle	158286	88.845 (000 Tonnes)	4-5 litres/ day
Buffalo	43490	25.053(000 Tonnes)	3 litres/ day
Sheep	247415	475036.8 (Kg)	Male : 30 Kg Female : 20 Kg
Goats	185875	278812.5(Kg)	Male : 30 Kg Female : 20 Kg
Horses	35	Nil	Nil
Donkey	145	Nil	Nil
Pigs	5329	Nil	Nil
Rabbits	246	Nil	Nil
Dogs	40666	Nil	Nil
Hens	3105144	3138.355 (Lakhs)	Male : 3.5 Kg Female : 2.0 Kg 80 – 100 eggs / annum

Source: 19th Livestock Census 2012 Department of Animal Husbandry and Veterinary Services, Chennai
Inspector of Fisheries, Karur.

2.7 District profile has been Updated for 2015-16 Yes / No: Yes

2.8 Details of Operational area / Villages

Taluk Name	Hobli/Block Name	Village Name	Since how long village covered	Major Crops	Major Problems	Identified Thrust Area
Thogaimalai	Thogaimalai	Thogaimalai	2 Years	Paddy	Labour scarcity, Pest and diseases	Integrated Crop Management
Kulithalai	Kulithalai	Nangavaram	3	Paddy	Labour scarcity, Pest and diseases	Integrated Crop Management
Krishnarayapuram	Krishnarayapuram	Veerarackiyam	1 Year	Paddy, Sorghum, Coconut, Maize	Pests and diseases, Micronutrient deficiency	Integrated Pest Management, Integrated Nutrient Management
Krishnarayapuram	Krishnarayapuram	Korakuthi	1 Year	Sesame	Pests and diseases	Integrated Pest Management
Kadavur	Kadavur	Palaviduthi	1 Year	Brinjal, Bhendi, Onion	Low yield due to high incidence of yellow Vein Mosaic Virus, Low yield due to high incidence of shoot and fruit borer and thrips	Integrated Crop Management
Aravakurichi	Aravakurichi	Malaikovilur	1 Year	Moringa	Low yield due to improper nutrient management, pruning techniques and high incidence of pests	Integrated Pest Management
Thanthoni	Thanthoni	Velliyanai	1 Year	Brinjal	Low yield due to high incidence of shoot and fruit borer	Integrated Crop Management
Krishnarayapuram	Krishnarayapuram	Pothuravuthanpatti	1 Year	Pearl Millet	Low yield due to use of traditional varieties	Integrated Crop Management

Kadavur	Kadavur	Devarmalai	3 Years	Castor	Low productivity using traditional variety	Integrated Crop Management
Krishnarayapuram	Krishnarayapuram	Punavasipatti	1 Year	Paddy, groundnut	Low yield due to use of traditional varieties, pest and disease	Integrated Crop Management, Integrated Pest Management
Thogaimalai	Thogaimalai	Kalugur	1 Year	Paddy	high incidence of pest and disease	Integrated Pest Management
Thogaimalai	Thogaimalai	Muthalaipatti	3 Years	Flowers	Lack of awareness on new cultivation techniques	Integrated Pest Management
Thogaimalai	Thogaimalai	Chinnappanai	3 Years	Tapioca, Blackgram	Low yield due to use of traditional varieties, pest and disease	Integrated Crop Management, Integrated Pest Management
Kulithalai	Kulithalai	Sooriyanur	1 Year	Banana, Blackgram	Low yield due to use of traditional varieties and micronutrient deficiency	Integrated Crop Management
Krishnarayapuram	Krishnarayapuram	Mayanur	1 Year	Paddy	Pest and Diseases	Integrated Pest Management
Krishnarayapuram	Krishnarayapuram	Panjapatti	2 Years	Sesame	high pest and diseases incidence	Integrated Pest Management

2.9 Priority thrust areas

S. No	Thrust area
1	Introduction of high yielding varieties
2	New method of cultivation and mechanization
3	Organic farming & problem soil management
4	Integrated Pest and disease management
5	Integrated Crop Management
6	Scientific nutritive and disease Management
7	Drudgery reduction and Women empowerment
8	Post Harvest Technology
9	Food processing & value addition for income generation.

PART III - TECHNICAL ACHIEVEMENTS

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

OFT				FLD			
1				2			
Number of OFTs		Number of farmers		Number of FLDs		Number of farmers	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
3	3	15	15	15	15	134	134

Training				Extension Programmes			
3				4			
Number of Courses		Number of Participants		Number of Programmes		Number of participants	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
59	60	1155	1701	642	1250	6256	10689

Seed Production (Qtl.)		Planting materials (Nos.)	
5		6	
Target	Achievement	Target	Achievement
197.5	8.481	80000	81340

Livestock, poultry strains and fingerlings (No.)		Bio-products (Kg)	
7		8	
Target	Achievement	Target	Achievement
0	0	65	2365

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

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions										
				Title of OFT if any	Title of FLD if any	Number of Training (farmers)	Number of Training (Youths)	Number of Training (extension personnel)	Extension activities (No.)	Supply of seeds (Qtl)	Supply of planting materials (No.)	Supply of livestock (No.)	Supply of bio products	
													No.	Kg
1	Varietal introduction	Bhendi	Low yield due to high incidence of Pest and Disease	Assessment of YMV resistant Bhendi Hybrid CO (Bh) H 1	-	3	2	1	10	.00 29	-	-	-	-
2	Varietal evaluation	Groundnut	Low availability of water and moisture stress leading to low yield Farmers getting low yield due to pest and diseases incidence	Assessment of the Drought tolerant groundnut variety CO 7	-	1	-	-	26	3.9 4	-	-		

3	Varital evaluation	Sorghum	Low availability of water and moisture stress leading to low yield	Assessment of the high yielding sorghum variety K 12	-	0	0	0	6	0.1	-	-	-	10
4	IPM	Paddy	Yield reduction due to Pests and diseases	-	Demonstration of Integrated Pest and disease management in Rice	1	-	-	9	-	-	-	80	35
5	IPM	Sesamum	Yield reduction due to Pests – leaf webber, red hairy caterpillar, capsule borer, pod bug	-	Demonstration of Ecological Engineering for Integrated Pest and Disease management in Sesame	-	-	-	14	-	-	-	10	35
6	ICM	Castor	Low yield due to use of traditional varieties. water scarcity	-	Demonstration of high yielding hybrid Castor YRCH - 1	-	-	-	15	0.2	-	-	-	-

7	ICM	Blackgram	Low yield due to high pest and diseases infection	-	Demonstration of YMV resistant black gram VBN (Bg) - 6	2	-	-	20	0.8	-	-	-	-
8	IPM	Moringa	Yield reduction due to Pests – leaf caterpillar, bud worm, hairy caterpillar, pod fly	-	Demonstration of Ecological Engineering for Integrated Pest management in Moringa	4	2	1	22	-	-	-	10	50
9	Mechanization	tapioca	Labour scarcity, poor weed management, low tuber yield due to improper depth of field ploughing and high cost of Harvesting cost	-	Demonstration of Mechanization in tapioca	3	3	1	18	-	-	-	-	-

10	Introduction of high yielding varieties	Paddy	Low yield and high incidence of pest and disease	-	Demonstration of TNAU Rice ADT 49	-	-	-	6	1.60	-	-		30
11	Introduction of high yielding varieties	Pearl millet	Low yield due to sowing of traditional low yielding variety.	-	Demonstration of Pearl Millet (Cu) 9 variety	1	-	-	11	0.2	-	-		-
12	Varietal introduction	Maize	Water scarcity, Low yield		Demonstration of TNAU maize hybrid CO 6	-	-	-	5	0.4	-	-		15
13	INM	Coconut	Low yield due to imbalanced nutrient application and high deficiency of micronutrient cause pencile top disease	-	Integrated Nutrient Management in Coconut	-	-	-	5	-	-	-	-	100

14	Integrated Crop Management	Brinjal	High incidence to pests and diseases leading to low yield	-	Demonstration of High yielding Brinjal variety PLR(BR)-2	-	-	-	8	0.01	-	-		
15	Integrated Crop Management	Onion	Low yield due to cultivation of local varieties. High incidence of pest and disease	-	Demonstration of High yielding Onion variety CO(ON)5	-	-	-	5	0.05	-	-	-	-
16	IPM	Snake gourd	Low yield due to fruitfly incidence	-	Demonstration of IPM for fruit fly management in Snake Gourd	5	-	-	15	-	-	-	25	-
17	Drudgery reduction	Cotton	Time consumption and Labour problem	-	Demonstration of drudgery reduction techniques in cotton cultivation for women	0	0	0	26	-	-	-	-	-

18	Nutrition garden	Vegetables	Inorganic pesticides in fruits and vegetables for market samples, Improper utilization of wastes	-	Introduction of organic nutrition garden in schools	0	4	0	44	0.16	60	-	-	24
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3.B2. Details of technology used during reporting period

S.No	Title of Technology	Source of technology	Crop/enterprise	No.of programmes conducted			
				OFT	FLD	Training	Others
1	2	3	4	5	6	7	8
1	Assessment of YMV resistant Bhendi Hybrid CO (Bh) H 1	IIVR, 2011, IIVR, 2011	Bhendi	1	-	4	10
2	Assessment of the Drought tolerant groundnut variety CO 7	TNAU (2013)	Groundnut	1	-	1	26
3	Assessment of the high yielding sorghum variety K 12	TNAU (2015)	sorghum	1	-	-	-
4	Demonstration of Integrated Pest and disease management in Rice	TNAU, 2012	Paddy	-	1	1	9
5	Demonstration of Ecological Engineering for Integrated Pest and Disease management in Sesame	NIPHM, 2014	Sesame	-	1		14
6	Demonstration of high yielding hybrid Castor YRCH - 1	TNAU (2009)	Castor	-	1	-	15

7	Demonstration of YMV resistant black gram VBN (Bg) - 6	TNAU (2011)	Blackgram	-	1	2	20
8	Demonstration of Ecological Engineering for Integrated Pest management in Moringa	TNAU , 2013	Moringa	-	1	3	22
9	Demonstration of Mechanization in tapioca	TNAU , 2013	Tapioca	-	1	5	18
10	Demonstration of TNAU Rice ADT 49	TNAU 2011	Paddy	-	1	-	6
11	Demonstration of Pearl Millet (Cu) 9 variety	TNAU (2004)	Pearl millet	-	1	1	11
12	Demonstration of TNAU maize hybrid CO 6	TNAU, 2012	Maize	-	1	1	5
13	Integrated Nutrient Management in Coconut	TNAU, 2012	Coconut	-	1	1	5
14	Demonstration of High yielding Brinjal variety PLR(BR)-2	TNAU 2008	Brinjal	-	1		8
15	Demonstration of High yielding Onion variety CO(ON)5	TNAU 2001	Onion	-	1		5
16	Demonstration of IPM for fruit fly management in Snake Gourd	TNAU, 2013	Snake Gourd	-	1	5	10
17	Demonstration of drudgery reduction techniques in cotton cultivation for women	SIMA-2013	Cotton	-	1	0	26
18	Introduction of organic nutrition garden in schools	TNAU-2010	Vegetables	-	1	4	44

3.B2 contd..

Title	No. of farmers covered															
	OFT				FLD				Training				Others			
	General		SC/ST		General		SC/ST		General		SC/ST		General		SC/ST	
	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
Assessment of YMV resistant Bhendi Hybrid CO (Bh) H 1	3	-	2	-	-	-	-	-	13	4	7	-	28	10	5	4
Assessment of the Drought tolerant groundnut variety CO 7	5	-	-	-	-	-	-	-	15	-	-	-	26	-	-	-
Assessment of the high yielding sorghum variety K 12	5	-	-	-	-	-	-	-	-	-	-	-	6	-	-	-
Demonstration of Integrated Pest and disease management in Rice	-	-	-	-	9	-	1	-	13	1	-	-	32	9	5	-
Demonstration of Ecological Engineering for Integrated Pest and Disease management in Sesame	-	-	-	-	8	1	-	1	-	-	-	-	52	9	-	8
Demonstration of high yielding hybrid Castor YRCH - 1	-	-	-	-	10	-	-	-	-	-	-	-	15	-	-	-
Demonstration of YMV resistant black gram VBN (Bg) - 6	-	-	-	-	10	-	-	-	30	-	-	-	20	-	-	-
Demonstration of Ecological Engineering for Integrated Pest management in Moringa	-	-	-	-	8	2	-	-	25	4	11	-	15	7	6	-
Demonstration of Mechanization in tapioca	-	-	-	-	6	2	2	-	15	3	8	3	14	6	3	3
Demonstration of TNAU Rice ADT 49	-	-	-	-	3	1	6	-	-	-	-	-	10	4	6	-
Demonstration of Pearl Millet (Cu) 9 variety	-	-	-	-	8	2	-	-	14	2	-	-	25	2	-	-
Demonstration of TNAU maize hybrid CO 6	-	-	-	-	10	-	-	-	24	1	3	2	10	5	2	1
Integrated Nutrient Management in Coconut	-	-	-	-	10	-	-	-	19	-	5	1	12	4	2	2
Demonstration of High yielding Brinjal variety PLR(BR)-2	-	-	-	-	10	-	-	-	-	-	-	-	8	-	-	-
Demonstration of High yielding Onion variety CO(ON)5	-	-	-	-	9	1	-	-	-	-	-	-	5	-	-	-
Demonstration of IPM for fruit fly management in Snake Gourd	-	-	-	-	5	-	-	-	25	-	-	-	50	-	-	-

Demonstration of drudgery reduction techniques in cotton cultivation for women	-	-	-	-	-	3	-	2	-	-	-	-	-	25	-	17
Introduction of organic nutrition garden in schools	-	-	-	-	-	-	-	-	88	112	-	-	58	87	-	-

PART IV - On Farm Trial

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation	1	1	-	-	1	-	-	-	-	3
Integrated Crop Management	-	-	-	-	-	-	-	-	-	-
Integrated Disease Management	-	-	-	-	-	-	-	-	-	-
Farm Machineries	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-
Total	1	1	-	-	1	-	-	-	-	3

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

4.A3. Abstract on the number of technologies assessed in respect of livestock enterprises Nil

4.A4. Abstract on the number of technologies refined in respect of livestock enterprises Nil

4.B. Achievements on technologies Assessed and Refined

4.B.1. Technologies Assessed under various Crops

Thematic areas	Crop	Name of the technology assessed	No. of trials	Number of farmers	Area in ha (Per trial covering all the Technological Options)
Varietal Evaluation	Bhendi	Assessment of YMV resistant Bhendi Hybrid CO (Bh) H 1	5	5	1
	Groundnut	Assessment of the Drought tolerant groundnut variety CO 7	5	5	0.2
	Sorghum	Assessment of the high yielding sorghum variety K 12	5	5	0.2
Integrated Crop Management					
Integrated Disease Management					
Farm Machineries					
Value addition					
Total					

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

4.B.3. Technologies assessed under Livestock and other enterprises Nil

4.B.4. Technologies Refined under Livestock and other enterprises Nil

4.C1. Results of Technologies Assessed

Results of On Farm Trial

1. On Farm Trial

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter			Results of assessment	Feedback from the farmer	Any refinement needed	Justification for refinement
							TO1	TO2	TO3				
1	2	3	4	5	6	7	8			9	10	11	12
Bhendi	Gardenland	Low yield due to high incidence of Pest and Disease	Assessment of YMV resistant Bhendi Hybrid CO (Bh) H 1	5	To 1 – Sakthi To2 – Kashi Kranti To3- CO(Bh)H1	Yield /plant(g) Yield/ha, (q/ha) Fruit Borer Incidence (%) in rainy season only	213.6 15.83 9.09	231.8 15.234 10.64	262.4 18.864 8.23	Among the three hybrids, CO(Bh) H1 performed better than Kashi Kranti and Sakthi. The BCR was also highest in CO(Bh)H1	Bhendi CO (Bh) H 1hybrid performed better well. There were no Incidence of YMV in any of the three varieties. Fruit borer Incidence was noticed only in the rainy season. Market preference was good in all the three hybrids of bhendi.	No	No

Contd..

Technology Assessed	Source of Technology	Production	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net Return (Profit) in Rs. / unit	BC Ratio
13	14	15	16	17	18
Technology option 1	Farmer practices	1583	Kg/ha	47210	1.98
Technology option 2	IIVR, 2011	1523	Kg/ha	43054	1.89
Technology option 3	TNAU , 2007	1886	Kg/ha	64354	2.31

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

1. Title of Technology Assessed – Assessment of YMV resistant Bhendi Hybrid CO (Bh) H 1
2. Problem Definition – Low yield due to high incidence of Pest and Disease
3. Details of technologies selected for assessment

Technology option	Technology details
Technology option 1	Sakthi
Technology option 2	Kashi Kranti
Technology option 3	CO(Bh)H1

4. Source of technology – TNAU 2007 and IIVR 2011
5. Production system and thematic area – ICM
6. Performance of the Technology with performance indicators

Name of the farmer	Name of the village	To-1				To-2				To-3			
		Yield /plant(g)	Yield/ha, (q/ha)	Fruit Borer Incidence (%) in rainy	BC Ratio	Yield /plant(g)	Yield/ha, (q/ha)	Fruit Borer Incidence (%) in rainy	BC Ratio	Yield /plant(g)	Yield/ha, (q/ha)	Fruit Borer Incidence (%) in rainy	BC Ratio
Subramani	Kurumbapatti	198	15.87	9.46	2.01	220	16.07	10.52	1.99	247	18.67	8.2	2.26
Karuppasami	Kurumbapatti	212	16.45	8.54	2.06	236	15.19	11.41	1.88	273	19.25	8.14	2.39
Anandhan	Palaviduthi	218	15.76	8.23	1.96	228	15.68	10.46	1.93	265	18.4	8.18	2.27
Nallakumar	Palaviduthi	226	15.58	9.51	1.93	230	14.32	10.23	1.77	258	18.8	8.47	2.29
Sivakkumar	Palaviduthi	214	15.49	9.71	1.95	245	14.91	10.58	1.85	269	19.2	8.16	2.35
Total		1068	79.15	45.45	9.91	1159	76.17	53.2	9.42	1312	94.32	41.15	11.56
Average		213.6	15.83	9.09	1.982	231.8	15.234	10.64	1.88	262.4	18.864	8.23	2.31

Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques

Technology Parameters	Technological option 1	Technological option 2	Technological option 3
Yield /plant(g)	***	****	*****
Yield/ha, (q/ha)	***	****	*****
Fruit Borer Incidence (%) in rainy season only	**	**	**
BCR	**	***	****
Total	10	13	15

8. Final recommendation for micro level situation: Among the three hybrids, CO(Bh)H1 performed better than Kashi Kranti and Sakthi. The BCR was also

highest in CO(Bh)H1. There were no Incidence of YMV in any of the three varieties. Market preference was good in all the three hybrids of bhendi.

9 Constraints identified and feedback for research: NIL

10. Process of farmers participation and their reaction – Farmers cultivating bhendi private hybrid seeds were identified for the trial. Farmers were oriented about the OFT programme and the programme were implemented. Farmer’s participation was good.

2. On Farm Trial

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter			Results of assessment	Feedback from the farmer	Any refinement needed	Justification for refinement
							TO1	TO2	TO3				
1	2	3	4	5	6	7	8			9	10	11	12
Groundnut	Irrigation	Low availability of water and moisture stress leading to low yield Farmers getting low yield due to pest and diseases incidence	Assessment of the Drought tolerant groundnut variety CO 7	5	Groundnut variety CO 7	No of plants per m ²	23	24	28	Groundnut CO 7 yielded higher compared to Kadiri 6 and local variety (TMV 7). The net return was also higher in CO7 and crop withstood delyed irrigation.	Groundnut growing farmers were convinced by the performance of Groundnut CO 7 variety due to higher number of pods (35-40), and very less incidence of pest and diseases. Kernals were bold as compared to other varieties.	-No-	-No-
						Pod per plants	16.6	19.8	26.4				
						Pod yield per ha (q)	17.60	20.12	27.63				
						Root rot %	14.2	11	7.2				
						Bud necrosis %	19	14.6	5				

Contd..

Technology Assessed	Source of Technology	Production	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net Return (Profit) in Rs. / unit	BC Ratio
13	14	15	16	17	18
Technology option 1	Local (TMV - 7)	1760	Kg/ha	25013	1.59
Technology option 2	ANGUR (2009)	2012	Kg/ha	35793	1.88
Technology option 3	TNAU (2013)	2763	Kg/ha	64294	2.57

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

1. Title of Technology Assessed – Assessment of the Drought tolerant groundnut variety CO 7
2. Problem Definition – Low availability of water and moisture stress leading to low yield Farmers getting low yield due to pest and diseases incidence
3. Details of technologies selected for assessment

Technology option	Technology details
Technology option 1	Local (TMV 7)
Technology option 2	Kadiri – 6
Technology option 3	CO (Gn) -7

4. Source of technology – ANUGUR and TNAU
5. Production system and thematic area – Varital assessment with Improved crop management
6. Performance of the Technology with performance indicators

Name of the farmer	Name of the village	To-1						To-2						To-3					
		No of plants per m2	No of Pod per plant	Root rot %	Bud necrosis	Yield (Kg/ha)	BC ratio	No of plants per m2	No of Pod per plant	Root rot %	Bud necrosis	Yield (Kg/ha)	BC ratio	No of plants per m2	No of Pod per plant	Root rot %	Bud necrosis	Yield (Kg/ha)	BC ratio
G.Shanmugam	Punavasipatti	22	17	14.01	19	1695	1.53	25	19	10.2	14.2	1952	1.78	28	26	7.25	4.8	2716	2.48
T.Mariyappan	Punavasipatti	24	18	15.20	20	1864	1.70	24	21	12.1	13.4	2153	2.04	29	27	8.30	3.6	2858	2.67
S.Thangavel	Punavasipatti	20	15	15.30	18	1622	1.44	24	19	11.6	15.3	1943	1.79	28	25	8.20	4.8	2536	2.36
D.Manikandan	Punavasipatti	24	17	13.40	18	1849	1.68	25	20	10.2	16.1	2038	1.93	29	26	7.40	4.7	2765	2.62
G.Dhanabal	Punavasipatti	25	16	14.20	20	1772	1.64	24	20	12.4	15.2	1978	1.87	29	28	6.10	5.2	2942	2.77
Total		115	83	72.11	95	8801.81	7.99	122	99	56.50	74.2	10064	9.40	143	132	37.25	23.1	13817.6	12.89
Average		23	16.6	14.42	19	1760.36	1.59	24.4	19.8	11.3	14.84	2012.8	1.88	28.6	26.4	7.45	4.62	2763.5	2.57

7. Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques

Technology Parameters	Technological option 1	Technological option 2	Technological option 3
No of plants per m2	***	****	*****
No of Pod per plant	**	***	*****
Yield (Kg/ha)	***	****	*****
BC ratio	**	***	****
Total	10	14	19

8. Final recommendation for micro level situation: CO 7 Groundnut variety can be grown alternative to local variety (TMV 7) and there was very less incidence of pests and diseases
9. Constraints identified and feedback for research: - Nil-
10. Process of farmers participation and their reaction – Group meeting and training was conducted in the selected village. Farmer participation was very good. Farmers actively participated in the assessment. The farmers have been convinced by the performance of Grountnut CO 7 variety and farmers are interested to take up in the next season.

3. On Farm Trial

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter			Results of assessment	Feedback from the farmer	Any refinement needed	Justification for refinement
							8	9	10				
1	2	3	4	5	6	7	TO1	TO2	TO3	9	10	11	12
Sorghum	Irrigated	Low availability of water and moisture stress leading to low yield	Assessment of the high yielding sorghum variety K 12 in Karur district	5	sorghum variety K 12	Trial is in Progress							

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Technology Assessed	Source of Technology	Production	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net Return (Profit) in Rs. / unit	BC Ratio
13	14	Trial is in Progress			
Technology option 1	Farmer practices	Trial is in Progress			
Technology option 2	CO 30	Trial is in Progress			
Technology option 3	K-12	Trial is in Progress			

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

1. Title of Technology Assessed – Assessment of the high yielding sorghum variety K 12 in Karur district
2. Problem Definition – Low availability of water and moisture stress leading to low yield
3. Details of technologies selected for assessment

Technology option	Technology details
Technology option 1	Farmer practices
Technology option 2	CO 30
Technology option 3	K-12

4. Source of technology – TNAU
5. Production system and thematic area – Varitel assessment
6. Performance of the Technology with performance indicators
7. Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques - Nil
8. Final recommendation for micro level situation: - Nil
9. Constraints identified and feedback for research: - Nil-
10. Process of farmers participation and their reaction – Nil

PART V - FRONTLINE DEMONSTRATIONS

5. A. Summary of FLDs implemented during 2015-16

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
									Proposed	Actual	SC/ST	Others	Total	
1	Cereals	Irrigated	Kharif 2015	Paddy	ADT 49	-	Varietal Introduction	Demonstration of TNAU Rice ADT 49	4	4	6	4	10	-
2	Cereals	Irrigated	Kharif 2015	Paddy	BPT 5204	-	IPM	Demonstration of Integrated Pest and disease management in Rice	4	4	1	9	10	-
3	Oilseed	Rainfed	Kharif 2015	Sesame	White local	-	IPM	Demonstration of Ecological Engineering for Integrated Pest and Disease management in Sesame	4	4	1	9	10	-
4	Millets	Irrigated	Kharif 2015	Pearl Millet	CO (Cu) 9		Varietal Introduction	Demonstration of Pearl Millet CO (Cu) 9 variety	4	4		10	10	
5	Cereals	irrigated	Kharif 2015	Maize	-	CO 6	Varietal Introduction	Demonstration of TNAU maize hybrid CO 6	2	2	0	10	10	
6	Plantation Crop	Garden land	Throughout the year	Coconut	-	-	Nutrient Management	Integrated Nutrient	100 Trees	100 Trees	0	10	10	

							t	Management in Coconut							
7	Oilseed	Irrigation	Kharif 2015	Castor	-	YRCH 1	ICM	Demonstration of high yielding hybrid Castor YRCH - 1	4	4	-	10	10		
8	Pulses	Rice fallow	Rabi 2015-16	Blackgram	VBN 6	-	ICM	Demonstration of YMV resistant black gram VBN (Bg) - 6	4	4	-	10	10		
9	Vegetables	Irrigated	Kharif 2015	Snake Gourd	-	Polo F1	IPM	Demonstration of IPM for fruit fly management in Snake Gourd	1	1	-	5	5	-	
10	Vegetables	Garden land	June – July 15	tapioca	Variety	-	ICM	Demonstration of Mechanization in tapioca	2	2	2	8	10	On going demonstration	
11	Vegetables	Garden land	Kharif 2015	Moringa	Variety	-	IPM	Demonstration of Ecological Engineering for Integrated Pest management in Moringa	4	4	-	10	10	-	

1 2	Vegetables	Garden land	Rabi 2015-16	Brinjal	PLR(BR)2		ICM	Demonstration of High yielding Brinjal variety PLR(BR)-2	4	4	-	10	10	-
1 3	Vegetables	Garden land	Rabi 2015	Onion	CO(ON)5		ICM	Demonstration of High yielding Onion variety CO(ON)5	4	4	-	10	10	-
1 4	Vegetables	Irrigated	Kharif & 2016	Vegetables	-	-	nutrition garden	Introduction of organic nutrition garden in schools	4 Nos	4 Nos	0	0	4	
1 5	Fiber crops	Irrigated	Kharif & 2016	Cotton	Suvin	-	drudgery reduction	Demonstration of drudgery reduction techniques in cotton cultivation for women	2	2	2	3	5	

5.A. 1. Soil fertility status of FLDs plots during 2015-16

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/breed	Hybrid	Thematic area	Technology Demonstrated	Season and year	Status of soil (Kg/Acre)			Previous crop grown
										N	P	K	
1	Cereals	Irrigated	Kharif 2015	Maize	-	CO6	Varietal Introduction	Introduction of TNAU maize hybrid CO6	Kharif 2015	98	16	246	Maize
2	Cereals	Irrigated	Rabi 2015-16	Paddy	ADT 49	-	Varietal Introduction	Demonstration of TNAU Rice ADT 49	Rabi 2015-16	87.8	28.22	272.15	Banana

3	Cereals	Irrigated	Kharif 2015	Paddy	BPT 5204	-	IPM	Integrated Pest and disease management in Rice	Kharif 2015	175.62	26.64	277.76	Sorghum
4	Oilseeds	Rainfed	Kharif 2015	Sesame	Local	-	IPM	Ecological Engineering for Integrated Pest and Disease management in Sesame	Kharif 2015	123.19	34.81	289.55	Red gram
5	Millets	Irrigated	Kharif 2015	Pearl Millet	CO (Cu) 9		Varietal Introduction	Demonstration of Pearl Millet CO (Cu) 9 variety	Kharif 2015	143	22.3	390	Sesame
6	Plantation Crop	Garden land	Throughout the year	Coconut	-	-	INM	Integrated Nutrient Management in Coconut	Thought the year	121	24	275	-
7	Oilseeds	Irrigated	Kharif 2015	Castor	-	YRCH 1	ICM	Demonstration of high yielding hybrid Castor YRCH - 1	Kharif 2015	43.21	35.73	53.76	Sorghum
8	Pulses	Rice fallow	Rabi 2015-16	Blackgram	VBN 6	-	ICM	Demonstration of YMV resistant black gram VBN (Bg) - 6	Rabi 2015-16	45.16	20.71	156.8	Paddy
9	Vegetables	Irrigated	Kharif 2015	Moringa	Local	-	IPM	Demonstration of Ecological Engineering for Integrated Pest management in Moringa	Kharif 2015	153.32	51.11	287.72	Moringa
10	Vegetables	Irrigated	Kharif 15	tapioca	Mulluvadi	-	Mechanization	Demonstration of Mechanization in	Kharif 15	157.38	16.60	248.10	tapioca

									tapioca					
11	Vegetables	Garden land	Rabi 2015-16	Brinjal	PLR(BR)2	-	ICM		Demonstration of High yielding Brinjal variety PLR(BR)-2	Rabi 2015-16	50.18	19.01	136.19	Tomato, chillies
12	Vegetables	Garden land	Rabi 2015-16	Onion	CO(ON)5	-	ICM		Demonstration of High yielding Onion variety CO(ON)5	Rabi 2015-16	40.14	8.86	73.64	Gourds

5.B. Results of Frontline Demonstrations

5.B.1. Crops

Crop	Name of the technology demonstrated	Variety	Hybrid	Farming situation	No. of Dem o.	Area (ha)	Yield (q/ha)			%	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)				
							Demo		Check		Increase	Gross Cost	Gross Return	Net Return	**BC R	Gross Cost	Gross Return	Net Return	**BC R
							H	L	A										
Oilseeds																			
Sesame	Ecological Engineering for Integrated Pest and Disease management in Sesame	Local		Rainfed	10	4	5.0	3.4	3.85	3.48	10.63	12960	17902	4942	1.38	13885	16170	2285	1.16
Cereals																			
Paddy	Integrated Pest and disease management in Rice	BPT 5204		Irrigated	10	4	52.0	43.8	48.1	43.23	11.27	32820	81400	48580	2.48	34930	73150	38220	2.1

Paddy	Demonstration of TNAU Rice ADT 49	ADT 49		Irrigated	10	4	60.13	47.25	54.76	45.34	20.7	33485	92675	59190	2.77	37290	76725	39435	2.06
Millets																			
Pearl Millet	Demonstration of Pearl Millet CO (Cu) 9 variety	CO (Cu) 9		Irrigated	10	4	18.7	13.5	15.7	11.67	34.6	16750	47137.5	30387.5	2.81	17700	35000	17300	1.98
Pulses																			
Black gram	Demonstration of YMV resistant black gram VBN (Bg) - 6	VBN 6	-	Rice fallow	10	4	8.0	7.38	7.69	5.57	38.1	20536.2	72526.6	51990.4	3.53	23492.5	52986.3	29493.8	2.26
Horticultural Crops																			
Moringa	Demonstration of Ecological Engineering for Integrated Pest management in Moringa	Local	-	Garden land	10	0.4	191.5	171.5	181.5	174.09	4.10	59281	163386	104104	2.75	65139	156683	91544	2.40
Coconut	Integrated Nutrient Management in Coconut	(West Coast) Tall Variety		Garden land	10	Demo in progress													
Tapioca	Demonstration of Mechanization in tapioca	Mulluvadi	-	Garden land	10	0.4	Demo in progress												

Brinjal	Demonstration of High yielding Brinjal variety PLR(BR)-2	PLR(BR)2	0	Garden land	10	4	Demo in progress													
Onion	Demonstration of High yielding Onion variety CO(ON)5	CO(ON)5	0	Garden land	10	4	Demo in progress													
Snake Gourd	Demonstration of IPM for fruit fly management in Snake Gourd		(East West seed) Polo 1	Irrigated	5	1	365.9	309.4	331.2	238.19	39	136030	331224	195194	2.44	140260	238186	97926	1.69	
Vegetables	Introduction of organic nutrition garden in schools	-	-	Irrigated	4	4cent	188	80	124.5	23.5	78.1	1443	2489.95	1046.9	1.68	411.7	395	110.8	0.97	
Fiber crop																				
Cotton	Demonstration of drudgery reduction techniques in cotton cultivation for women	Suvin	-	Irrigation	5	0.4	5.2	4.5	4.9	2.2	10.52	38169.5	88326	50156.5	2.31	51875	79914	28039	1.54	

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

** BCR= GROSS RETURN/GROSS COST H – Highest Yield, L – Lowest Yield A – Average Yield

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

Data on other parameters in relation to technology demonstrated		
Parameter with unit	Demo	Check
Ecological Engineering for Integrated Pest and Disease management in Sesame		
No. of capsule per plant(Nos)	79.4	70.2
Percent incidence of Phyllody(%)	2.78	6.44
Pod damage percentage(%)	3.0	5.89
Demonstration of Integrated Pest and disease management in Rice		
No. of grains/ panicle(Nos)	158.9	121.6
Leaf folder incidence (%)	5.62	14.24
Stem borer incidence (%)	4.75	11.59
Blast incidence (%)	6.17	21.47
Demonstration of YMV resistant black gram VBN (Bg) – 6		
No of plants per m ² (Nos)	35.68	34.5
No.of Pods per plant(Nos)	25.2	18.9
Yellow mosaic virus disease incidence (%)	1.73	45.19
Demonstration of Pearl Millet CO (Cu) 9 variety		
Length of ear head (cm)	34.2	25.1
% disease incidence (%) (Ergot Disease)	25.1	40.9
Demonstration of TNAU Rice ADT 49		
No. of productive tiller per hill(Nos)	33.1	23.6
No. of grains per panicle(Nos)	144.7	123.7
% disease incidence (%) (Blast)	16.6	37.9
Demonstration of Ecological Engineering for Integrated Pest management in Moringa		
No. of pods per tree(Nos)	191.5	177.9
Yield/ ha(tonnes)	181.54	174.09
Incidence of Leaf caterpillar (%)	11.12	22.35
Incidence of Leaf bud worm (%)	8.19	10.76
Integrated Nutrient Management in Coconut		
No of leaves / tree(Nos)	28.8	27.5
No of spaths / tree(Nos)	8.5	8.2

Button shedding percentage (%)	25.5	44.8
Demonstration of IPM for fruit fly management in Snake Gourd using Methyl Eugenol traps		
Percent fruit damage (%)	3.22	21.11
Demonstration of drudgery reduction techniques in cotton cultivation for women		
Harvesting yield/hr	4.9	2.2
Harvesting time/ha/person	429.6	967.8
Area of Fertilizer application/hr/ha	0.0754	0.0414

5.B.2. Livestock and related enterprises – Nil

5.B.3. Fisheries - Nil

5.B.4. Other enterprises

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

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

Sl.No.	Activity	No. of activities organised	Number of participants	Remarks
1	Field day	2	44	-
2	Farmers training	17	310	
3	Media coverage	5	-	
4	Training for extension functionaries	0	0	
5	Others	133	328	
6	Exposure visit	0	0	

PART VI – DEMONSTRATIONS ON CROP HYBRIDS

Demonstration details on crop hybrids

Crop	Name of the technology demonstrated	Name of the hybrid	No. of Demo	Area (ha)	Yield (q/ha)			% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)				
					Demo				Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
					H	L	A										
Castor	Demonstration of high yielding hybrid Castor YRCH - 1	YRCH 1	10	4	15.3	13.3	14.3	7.25	97.24	17364.6	45880	28515.4	2.68	12309	23224	10915	1.88
Maize	Introduction TNAU maize hybrid CO6	CO6	10	2	62.5	47.5	55.5	49.13	12.9	32525	83250	50725	2.57	34012	73687	39675	2.17

H-High L-Low, A-Average

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

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

Data on other parameters in relation to technology demonstrated		
Parameter with unit	Demo	Check
Demonstration of high yielding hybrid Castor YRCH – 1		
Plant height (cm)	229.52	226.13
No. of capsule per spike(Nos)	79.2	64.4
Capsule borer incidence (%)	14.7	23.6
Demonstration of TNAU Maize hybrid CO6		
Weight of grains per cob (g)	207	177.5
No of grains (Nos)	487.6	448.3
Cob Length (cm)	18	15.2
Cob girth (cm)	15.55	15.1

PART VII. TRAINING

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop Production	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	-	-	-	-	-	-	-	-	-	-
Horticulture	-	-	-	-	-	-	-	-	-	-
Farm Machinery	-	-	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-	-	-
Cultivation of Fruit	-	-	-	-	-	-	-	-	-	-
Nutrient management in Banana	-	-	-	-	-	-	-	-	-	-
Livestock Production and Management	-	-	-	-	-	-	-	-	-	-
Dairy management	1	9	9	18	0	1	1	9	10	19
Scientific rearing of goat farming	7	33	93	126	1	53	54	34	146	180
Quail Farming	1	18	1	19	0	0	0	18	1	19
Feed and Fodder technology	4	2	82	84	0	31	31	2	113	115
Home Science/Women empowerment	-	-	-	0	-	-	0	0	0	0
Value addition	1	15	10	25	0	5	5	15	15	30
Food adulteration and its ill effects	-	-	-	0	-	-	0	0	0	0
health benefits	1	16	4	20	-	-	0	16	4	20
Plant Protection	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-
Integrated Disease Management	-	-	-	-	-	-	-	-	-	-
Production of Inputs at site	-	-	-	-	-	-	-	-	-	-
Organic manures production	-	-	-	-	-	-	-	-	-	-

Organic Certification and Marketing	-	-	-	-	-	-	-	-	-	-
Capacity Building and Group Dynamics	-	-	-	-	-	-	-	-	-	-
Marketing aspects for Agricultural products	-	-	-	-	-	-	-	-	-	-
Agro-forestry	-	-	-	-	-	-	-	-	-	-
Traditional Rice Cultivation and Value Addition to mitigate climate change impacts	-	-	-	-	-	-	-	-	-	-
TOTAL	15	93	199	292	1	90	91	94	289	383

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop Production	-	-	-	-	-	-	-	-	-	-
Weed Management	-	-	-	-	-	-	-	-	-	-
Resource Conservation Technologies	-	-	-	-	-	-	-	-	-	-
Crop Diversification	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	1	8	4	12	-	-	-	8	4	12
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-
Cultivation practices / Production Technologies	-	-	-	-	-	-	-	-	-	-
Paddy crop yield improvement techniques	-	-	-	-	-	-	-	-	-	-
Integrated Farming System	-	-	-	-	-	-	-	-	-	-
Horticulture	-	-	-	-	-	-	-	-	-	-
Cultivation practices	-	-	-	-	-	-	-	-	-	-
Production Technologies	6	127	59	186	-	9	9	127	68	195
Integrated Crop Management	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-	-	-
Cultivation of Fruit	-	-	-	-	-	-	-	-	-	-

Integrated Crop Management	2	35	-	35	-	-	-	35	-	35
High density planting system of banana	-	-	-	-	-	-	-	-	-	-
Sucker maintenance and Nutrient management in banana	-	-	-	-	-	-	-	-	-	-
Nutrient management in banana	-	-	-	-	-	-	-	-	-	-
Preharvest spray and bunch cover techniques in banana	-	-	-	-	-	-	-	-	-	-
Integrated disease management in Banana	-	-	-	-	-	-	-	-	-	-
Soil Health and Fertility Management	-	-	-	-	-	-	-	-	-	-
Soil fertility management	-	-	-	-	-	-	-	-	-	-
Integrated nutrient management	4	72	10	82	12	7	19	84	17	101
Soil and water testing	-	-	-	-	-	-	-	-	-	-
Livestock Production and Management	-	-	-	-	-	-	-	-	-	-
Dairy Management	4	82	47	129	5	6	11	87	53	140
Animal Disease Management	1	-	26	26	-	19	19	-	45	45
Feed and Fodder technology	1	30	4	34	1	-	1	31	4	35
Effective animal waste management	-	-	-	-	-	-	-	-	-	-
Scientific rearing of goat farming	2	24	42	66	9	5	14	33	47	80
Desi bird farming	1	28	8	36	1	3	4	29	11	40
Home Science/Women empowerment	-	-	-	-	-	-	-	-	-	-
Nutrition efficiency diet	-	-	-	-	-	-	-	-	-	-
Processing and cooking	-	-	-	-	-	-	-	-	-	-
Value addition	6	42	71	113	4	11	15	46	82	128
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
Health benefits	3	24	34	58	-	8	8	24	42	66
Agril. Engineering	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	1	36	1	37	-	-	-	36	1	37

Plant Protection	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	2	65	2	67	-	-	-	65	2	67
Integrated Disease Management	-	-	-	-	-	-	-	-	-	-
Integrated Pest and Disease Management	3	34	35	69	-	-	-	34	35	69
Production of Inputs at site	-	-	-	-	-	-	-	-	-	-
Organic manures production	-	-	-	-	-	-	-	-	-	-
Capacity Building and Group Dynamics	-	-	-	-	-	-	-	-	-	-
Entrepreneurial development of farmers/youths	-	-	-	-	-	-	-	-	-	-
Total	37	607	343	950	32	68	100	639	411	1050

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

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-
Nutrition garden	2	24	22	46	0	0	0	24	22	46
TOTAL	2	24	22	46	0	0	0	24	22	46

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient management	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-
Protected cultivation technology	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-
Care and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-
Women and Child care	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-
Organic cultivation techniques	1	16	4	20	0	0	0	16	4	20
Total	1	16	4	20	0	0	0	16	4	20

7.F. Training programmes for Extension Personnel including sponsored training programmes (off campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-
Integrated crop management	-	-	-	-	-	-	-	-	-	-
Group Dynamics and farmers organization	-	-	-	-	-	-	-	-	-	-
Capacity building for ICT application	-	-	-	-	-	-	-	-	-	-
Integrated Pest and Disease Management	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-

7.G. Sponsored training programmes conducted

S.No	Area of training	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
1	Crop production and management	-	-	-	-	-	-	-	-	-	-
1.a.	Increasing production and productivity of crops	-	-	-	-	-	-	-	-	-	-
	Pest and disease management	-	-	-	-	-	-	-	-	-	-
	Traditional Rice Cultivation and Value Addition to mitigate climate change impacts	-	-	-	-	-	-	-	-	-	-
2	Horticulture	-	-	-	-	-	-	-	-	-	-
2.a.	Production technologies	1	28	24	52	0	0	0	28	24	52
	Commercial floriculture	-	-	-	-	-	-	-	-	-	-
3.	Soil health and fertility management	-	-	-	-	-	-	-	-	-	-
	Nutrient management	-	-	-	-	-	-	-	-	-	-
4	Livestock production and management	-	-	-	-	-	-	-	-	-	-
4.a.	Dairy Management	2	26	41	67	0	3	3	26	44	70
4.b.	Desi bird farming	1	28	8	36	1	3	4	29	11	40
4.c.	Scientific rearing of goat farming	1	22	11	33	6	1	7	28	12	40
5.	Home Science	-	-	-	-	-	-	-	-	-	-
5.a	Banana value addition products	-	-	-	-	-	-	-	-	-	-
6	Mushroom cultivation and its value addition	-	-	-	-	-	-	-	-	-	-
7	Agricultural Extension	-	-	-	-	-	-	-	-	-	-
7.a	Marketing aspects for Agricultural products	-	-	-	-	-	-	-	-	-	-
7.b	Employment opportunities in Agriculture and allied sectors	-	-	-	-	-	-	-	-	-	-
	Total	5	104	84	188	7	7	14	111	91	202

Details of sponsoring agencies involved

1. ATMA, 2.RSETI, IOB, Karur

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

PART VIII – EXTENSION ACTIVITIES

Extension Programmes (including extension activities undertaken in FLD programmes)

Nature of Extension Programme	No. of Programmes	No. of Participants (General)			No. of Participants SC / ST			No. of extension personnel		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	3	63	13	76	-	-	-	-	-	-
Exhibition	1	72	25	97	-	-	-	-	-	-
Farmers fair	-	-	-	-	-	-	-	-	-	-
Film show	-	-	-	-	-	-	-	-	-	-
Method Demonstration	15	158	62	220	-	-	-	-	-	-
Lectures delivered as resource persons	124	3712	1411	5123	-	-	-	-	-	-
Newspaper coverage	12	-	-	-	-	-	-	-	-	-
Radio talks	13	-	-	-	-	-	-	-	-	-
TV Programme	7	-	-	-	-	-	-	-	-	-
Workshop	-	-	-	-	-	-	-	-	-	-
Advisory Services	642	1468	352	1820	-	-	-	-	-	-
Scientific visit to farmers field (Micro irrigation inspection)	40	25	5	30	6	4	10	-	-	-
Green house inspection	5	17	3	20	-	-	-	-	-	-
NADP (District action plan preparation)	7	0	0	0	-	-	-	16	8	24
Farmers visit to KVK	44	639	121	760	-	-	-	-	-	-
Diagnostic visits	21	65	14	79	-	-	-	-	-	-
Exposure visits	7	179	15	194	-	-	-	-	-	-
Animal Health Camp	4	71	13	84	-	-	-	-	-	-
Farmers club formation	1	10	5	15	-	-	-	-	-	-
Farmers club meetings	4	147	27	174	-	-	-	-	-	-
Farmers fair		0	0	0	-	-	-	-	-	-
Group meeting	12	194	32	226	-	-	-	-	-	-
Field visits	197	650	113	763	-	-	-	-	-	-
Ex trainees Meeting		0	0	0	-	-	-	-	-	-

Extension literatures distributed	9	431	85	516	-	-	-	-	-	-
Voice SMS	-	-	-	-	-	-	-	-	-	-
Environment Day	-	-	-	-	-	-	-	-	-	-
DVD	-	-	-	-	-	-	-	-	-	-
PRA	1	15	6	21	-	-	-	-	-	-
Farm School	-	-	-	-	-	-	-	-	-	-
Focus group discussion	-	-	-	-	-	-	-	-	-	-
Pre Season campaign	2	125	10	135	-	-	-	23	-	23
Article	18	0	0	0	-	-	-	-	-	-
Radio Announcement	23	0	0	0	-	-	-	-	-	-
Bank literacy progamme	2	58	0	58	-	-	-	-	-	-
Jai Kisan Jai Vigyan	1	74	16	90	-	-	-	-	-	-
Mobile SMS	29	0	0	0	-	-	-	-	-	-
Text SMS	4	0	0	0	-	-	-	-	-	-
World soil day	1	130	0	130	-	-	-	-	-	-
Total	1250	8303	2328	10631	6	4	10	39	9	48

PART IX – PRODUCTION OF SEED, PLANT AND LIVESTOCK MATERIALS

9.A. Production of seeds by the KVKs

Crop category	Name of the crop	Variety	Hybrid	Quantity of seed (Qtl)	Value (Rs)	Number of farmers to whom provided
Cereals (crop wise)	Sorghum	Red sorghum		7.8	15600	-
Fodder crop seeds	Fodder Sorghum	CoFS 29		0.68	30600	27
Vegetable	Moringa	Bhagya		0.001	1650	3
Total				8.481	47850	30

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
Vegetable seedlings	Brinjal seedlings	Manapparai Local		3000	900	1
Vegetable seedlings	Chilli Seedlings	Local		3880	1164	1
Fodder crop saplings	Cumbu Napier Hybrid		Co4	37540	18770	32
	Cumbu Napier Hybrid		Co5	34800	17400	26
Total				81340	39770	61

9.C. Production of Bio-Products

Bio Products	Name of the bio-product	Quantity Kg	Value (Rs.)	Number of farmers to whom provided
Others	Azolla	350	14000	35
	Banana Special	70	8400	34
	Vemicompost	1935	15480	5
	Vermiworms	10	3500	-
Total		2365	41380	74

9.D. Production of livestock materials - Nil

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 : January 2007
Periodicity : Quarterly
Number of copies distributed : 2000 copies (500 copies/ Issue)

(B) Literature developed/published

Item	Title	Author Name	Number
Popular Article	Calf Management	Dr.R.Arun and Dr J. Diraviam	-
Popular Article	Calf Management	Dr.R.Arun and Dr J. Diraviam	-
Popular Article	Clean Milk Production	Dr.R.Arun and Dr J. Diraviam	-
Popular Article	Clean Milk Production in cow	Dr.R.Arun and Dr J .Diraviam	-
Popular Article	Disease Management in goat	Dr.R.Arun and Dr J.Diraviam	-
Popular Article	Housing management in goat	Dr.R.Arun and Dr J.Diraviam	-
Popular Article	Mastitis & its prevention	Dr.R.Arun and Dr J.Diraviam	-
Popular Article	Value Addition in Milk	Dr.R.Arun Dr L.Malathi &Dr J. Diraviam	-
Popular Article	Selection of cow for dairy farm	Dr.R.Arun and Dr J. Diraviam	-
Popular Article	Prevention of Parasitic disease in livestock's	Dr.R.Arun and Dr J. Diraviam	-
Popular Article	Prevention and management of Parasitic disease in livestock's	Dr.R.Arun and Dr J. Diraviam	-
Popular Article	Subclinical mastitis in cows	Dr.R.Arun and Dr J. Diraviam	-
Popular Article	Selection of good dairy cows	Dr.R.Arun and Dr J. Diraviam	-
Popular Article	Azolla an alternate green fodder for livestock	Dr.R.Arun and Dr J.Diraviam	-
Popular Article	Clean Milk Production in cow	Dr.R.Arun and Dr J.Diraviam	-
Popular Article	Subclinical mastitis in dairy cows	Dr.R.Arun and Dr J.Diraviam	-
Popular Article	Medicinal value of amla	Dr.L.Malathi and Dr J. Diraviam	-
Popular Article	Vegetables as a doctor	Dr.L.Malathi and Dr J.Diraviam	-
Popular Article	Vegetables as a doctor	Dr.L.Malathi and Dr J.Diraviam	-
Popular Article	Medicinal value of amla	Dr.L.Malathi and Dr J.Diraviam	-
Popular Article	How to cook vegetables without losing of nutrients	Dr.L.Malathi and Dr J.Diraviam	-
Popular Article	Integrated Nutrient Management in Coconut	N.Markannu, P.Karupaasami and Dr J.Diraviam	-
Popular Article	Integrated Nutrient Management in Coconut	N.Markannu, P.Karupaasami and Dr J.Diraviam	-

Popular Article	Integrated Nutrient Management in Groundnut	N.Markannu, P.Karupaasami and Dr J.Diraviam	-
Popular Article	Alkaline soil Management	N.Markannu, P.Karupaasami and Dr J.Diraviam	-
Popular Article	Alkaline soil Management	N.Markannu, P.Karupaasami and Dr J.Diraviam	-
Leaflet	Soil Health Management	N.Markannu, P.Karupaasami and Dr J.Diraviam	500
Leaflet	Soil and Water samples analysis Techniques	N.Markannu, P.Karupaasami and Dr J.Diraviam	500
Folder	SWACHH Bharat	Dr.L.Malathi and Dr J.Diraviam	1000
Leaflet	Entrepreneurship development	Dr.L.Malathi and Dr J.Diraviam	1000
Book	Value added products and its preparation	Dr.L.Malathi and Dr J.Diraviam	40

10.B. Details of Electronic Media Produced

S. No.	Type of media (CD / VCD / DVD/ Audio-Cassette)	Title of the programme	Number
1	1	Entrepreneurship development among SHGs, Farmers through value addition, branding and marketing for income generation	5

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).
Success Story

Year : 2015-16
Title of the Success Story : High yielding variety CO-7 in Groundnut

Details of Success Story

1. Background: G.Dhanapal of Punavasipatti village, Krishnarayapuram block, Karur district is a progressive farmer who has been involved in cultivation of different crops such as Paddy, sugarcane, groundnut, Blackgram and fodder crops

2. Intervention Process: ICAR KVK, Karur conducted one on farm trial on Assessment of drought tolerant groundnut variety CO-7 at Punavasipatti village. Frequent field visits and advisory services made the farmer to achieve the highest yield.

3. Intervention Technology: He took up planting of groundnut variety CO-7 as a trial and TMV – 7 as local variety in an area of 0.4 ha during 15th October 2015. He sought advice of the KVK Scientists and adopted improved technology for the trial and local variety. He took up seed treatment with bio fertilizers and *Pseudomonas fluorescence* spray at the time of 30 days after sowing. Based on the adoption of the advice, he was able to reduce the tikka leaf spot, *Spodoptera* and bud necrosis incidence compared to neighboring farmer's field. Adoption of the right package of technologies in the field including basal application of gypsum and Groundnut rich spray was the main reason for getting higher yield. Groundnut CO-7 variety was bold seeded type. So he got good price in the market. In his field 36-40 pods per plant in CO-7 variety and 20-25 pods per plant in TMV-7.

4. Impact Horizontal Spread: He gave groundnut CO-7 variety seeds to five neighboring farmers

5. Impact Economic Gain: In the first crop, he got income of Rs.42000 in CO-7 field and Rs.23100 in TMV- 7 groundnut field from 0.4 ha.

6. Impact on Employment Generation : Nil

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

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

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

Identification of courses for farmers/farm women

- Need assessment through Participatory Rural Appraisal
- Interaction with progressive farmers
- Interaction with farmers club members
- Joint diagnostic survey with line department officials
- Group Meetings

Rural Youth

- Personal Interview
- Interaction
- Direct Observation

Inservice personnel

- Group Discussion

- Workshop
- SAC meeting
- Zonal meeting
- Meeting
- Questionnaire

10.G. Field activities

- i. Number of villages adopted : 2
- ii. No. of farm families selected : 50
- iii. No. of survey/PRA conducted : 1

10.H. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab : Working

1. Year of establishment : 2010-11
2. List of equipments purchased with amount :

Sl. No.	Name of the Equipment	Qty.	Cost (Rs.)
1	Electronic top loading balance Model: BL 220H, 220g	1	22000.00
2	Electronic top loading balance Model: BL 620S, 620g	1	25000.00
3	Digital pH meter	1	5910.00
4	Conductivity meter	1	11209.00
5	Kelplus Automatic Nitrogen Analyzer	1	236735.00
6	Flame photometer	1	44837.00
7	UV-Visible Spectrophotometer	1	99000.00
8	Water still	1	11900.00
9	Hot plate NSW-255	1	26900.00
10	Water bath NSW-128	1	14800.00
11	Micro magnetic stirrer	1	2200.00
12	Reciprocating shaker	1	10500.00
13	Muffle furnace	1	21800.00
14	Khan shaker	1	16449.00
15	Willey mill	1	21000.00
	Total	15	5,70,240.00

Details of samples analyzed so far since establishment of SWTL:

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages	Amount realized (Rs.)
Soil Samples	450	322	124	10350
Water Samples	76	64	63	650
Total	526	386	187	11000

Details of samples analyzed during the 2015-16:

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages	Amount realized (Rs.)
Soil Samples	171	125	39	2700
Water Sample	28	20	21	175
Total	199	145	60	2875

No. of grid samples taken: 58

No. of Soil health cards distributed: 253

10.I. Technology Week celebration during 2015-16 Yes/No : No

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

PART XI. IMPACT

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

Name of specific technology/skill transferred	No. of participants	% of adoption
ADT 49 Paddy seeds	35	70
CO-4 fodder slips for green fodder	25	50
Fixing Light traps	20	40
Pulse wonder spray	25	50

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

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

CASE STUDY

Integrated Pest Management in Paddy

Introduction

Among the food grains paddy occupies foremost status in human food requirement. Paddy is grown under different agro-climatic conditions and the crop is damaged by more than 100 species of insect pests and diseases. These insect pests and diseases cause enormous grains yield losses, which may vary from 20-50% if not managed in time. Integrated Pest Management (IPM) is an eco-friendly approach for managing pest and disease problems utilizing all possible available methods and techniques of pest control such as cultural, mechanical, biological and chemical methods in as compatible and scientific manner as possible to suppress the pest population below economic injury level. In order to minimize the indiscriminate and judicious use of chemical Pesticides, IPM has been formulated as principle of plant protection in overall crop protection programmes for sustainable crop production without affecting the environment.

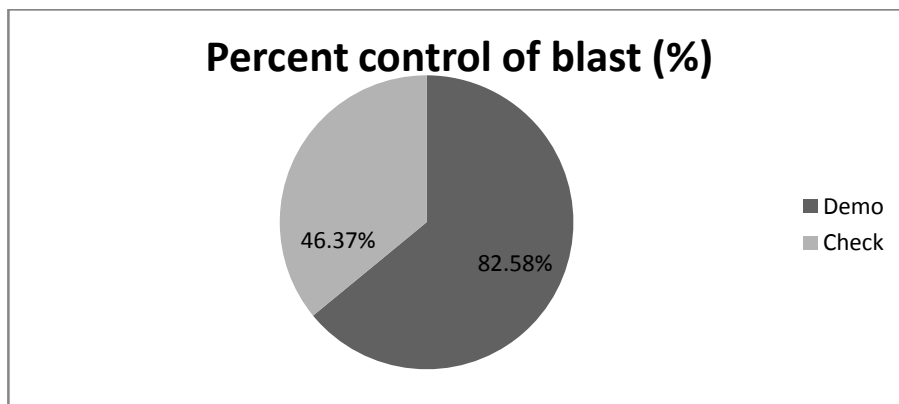
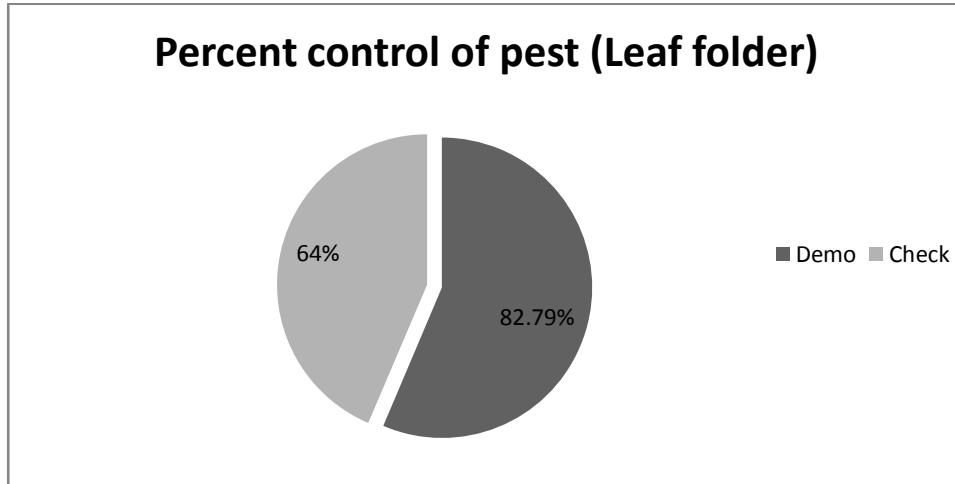
Background

Generally farmers of Kulithalai and Krishnarayapuram Taluks, Karur district raise one paddy crop in *Samba* season using the canal water. Farmers invariably grow the superfine rice variety BPT 5204 due to its good market price as compared to other varieties. This variety being highly susceptible to pests and diseases coupled with the favorable weather conditions for the pest and disease multiplication during the monsoon season leads to heavy yield losses. Apart from the incidence of pests and diseases, the unseasonal rains particularly low or absence of rains in the early vegetative stage and unexpected rains during the flowering season also results in substantial yield loss.

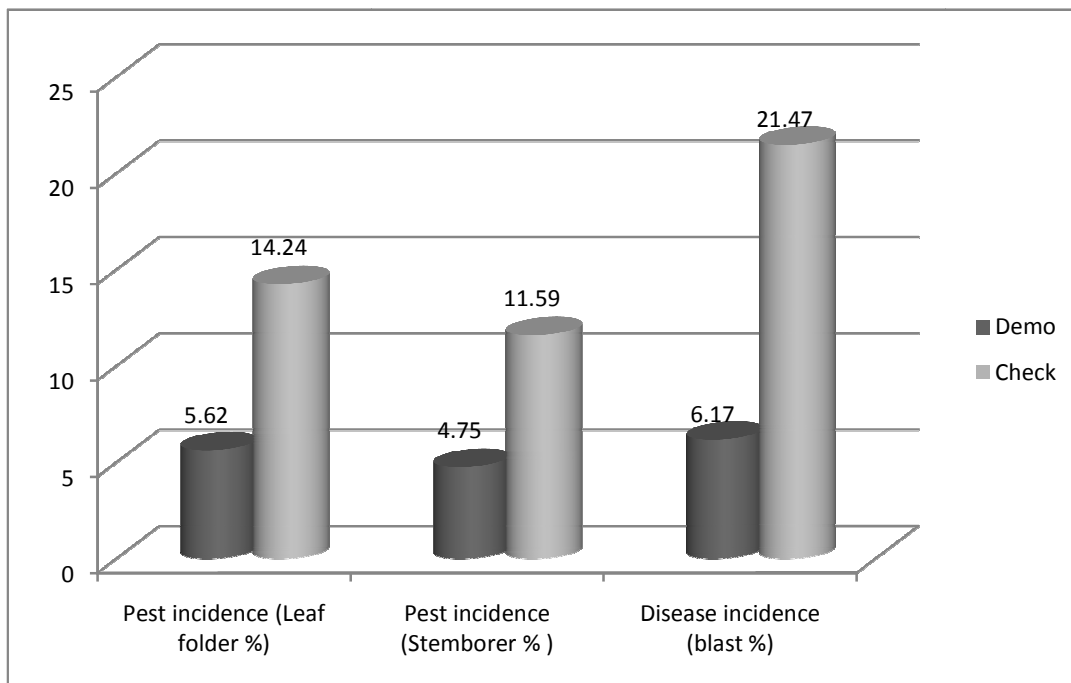
Process

Under these circumstances, our KVK conducted Frontline demonstrations and training programmes to promote IPM concept in villages of Kulithalai and Krishnarayapuram Taluks. The major technologies were use of bioagent *Pseudomonas fluorescens* for seed treatment, seedling dip, soil application and foliar spray to prevent disease incidence, use of pheromone traps for monitoring stem borer occurrence, release of egg parasitoids - *Trichogramma chilonis* for leaf folder management and light trap for monitoring and management of insect pests in Paddy crop. The key insect pests of Paddy can be mass trapped by using the light trap and Pheromone trap. By keeping a light trap, one for every 0.4 ha right from the beginning of planting the farmer can effectively manage most of the insect pests that attack the paddy crop. Farmers are advised to keep one light trap for every 0.4 ha during the dusk hours (6 pm to 9 pm) when the insects are very active. Adoption of the right package of technologies in the field included balanced fertilizer application at the recommended level that indirectly minimized the pest and disease incidence in his field.

i. Frontline demonstrations: Year: 2014-15



Year: 2015-16



ii. Training programme organized by KVK (2014-2016)

S.No	Title	Name of the village	No.of Participants
1	IPDM in Rice	Veerarackiyam	14
2	IPM in Paddy	Valayapatti	30
3	IPM in Paddy	Thogaimalai	25
4	IPM in Paddy	Kalathupatti	34
5	IPDM in Paddy	Karur	93
6	Integrated Pest Management	Karur	120
7	IPM in Paddy	Kumaramanagalam	34
Total			350

iii. Awareness created through our Farmers Advisory service

S.No	Technology	Name of the block	No.of farmers
1	IPM in paddy	Thogaimalai, Kulithalai and Krishnarayapuram	38

iv. ATMA – Farm school on IPM in Paddy

S.No	Technology	Name of the block	No.of farmers
1	IPM in paddy	Thogaimalai and Krishnarayapuram	144

v. Problem diagnosis

S.No	Technology	Diagnostic visit	Joint diagnostic visit
1	IPDM in paddy	31 farmers	13 farmers

vi. Extension activities

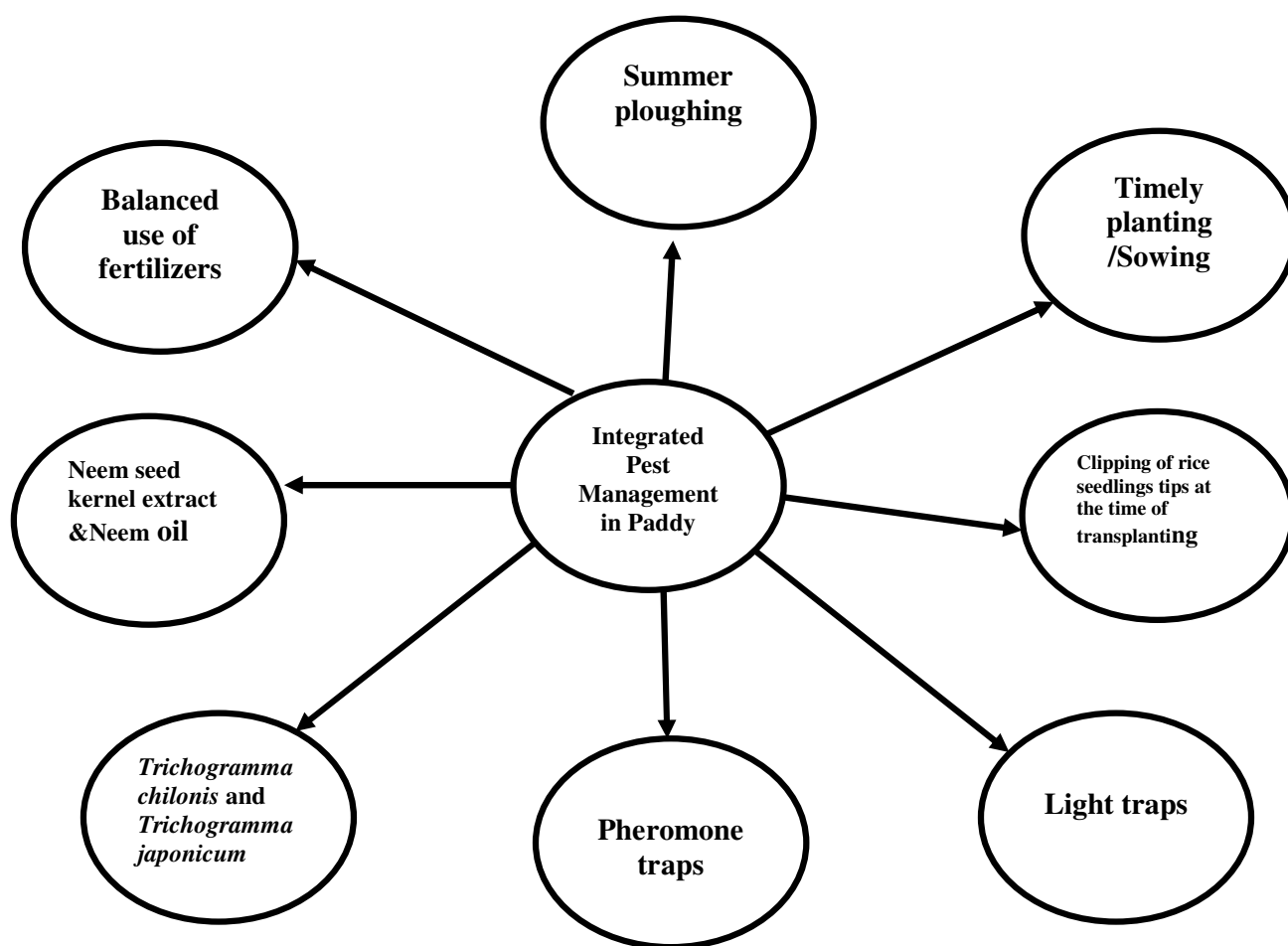
S.No	Technology	Name of the activity	No.of Programme	No.of farmers
1	IPDM in paddy	Lecture delivered	4	135
2		Field visit and advisory services	8	38
3		Method Demonstration	3	40
4		Press coverage	3	
5		TV coverage	1	-
6		Radio announcement	10	-
7		Text SMS	10	
8		Voice SMS	10	28

vii. Details of Electronic Media Produced

S. No.	Type of media	Title of the programme	Number
1	DVD	Integrated Pest Management	15

viii. Literature published

S. No.	Type of Literature	Title of the programme	No.of Copies
1	Technical news	Integrated Pest Management	500



Diagrammatic representation of IPM components

Outcomes

In the 2013-14 *samba* season, only few farmers adopted IPM concept. Continuous effort of our KVK scientists, now 22 farmers are adopting IPM concept in Paddy crop and getting more income through reduction of inputs (pesticides) and yield loss (20%) due to pest.

Horizontal spread

S.No	Name of the block	No.of Farmers	Area (acre)
1	Thogaimalai	7	12
2	Kulithalai	6	6
3	Krishnarayapuram	9	15
Total			33

Conclusion

Through our Frontline Demonstrations, the farmers who adopted Integrated Pest management techniques in Paddy could reduce their cost of cultivation by Rs.3000/ per hectare and additional yield of 10 %. Also the farmers have shared the benefits of IPM technology to over 100 farmers of their village.

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

		Uzhavur Thina Vizha	1	0	48 Participants
		Perimetro – improved production technology of vegetables	1	0	81 Participants
		FTC Training	2	0	68 Participants
04	Farm School	Farm School on Groundnut, Paddy, Sesame, Moringa and Millets	17	6	340 Participants

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

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

12.F. Details of linkage with RKVY - Nil

12. G Kisan Mobile Advisory Services

Month	No. of SMS sent	No. of farmers to which SMS was sent	No. of feedback / query on SMS sent
April	5	5202	0
June	2	5202	0
July	13	6850	0
September	2	6502	0
October	3	6800	0
December	0	0	0
November	4	192	0
January	2	6200	0
March	2	3000	0

PART XIII- PERFORMANCE OF INFRASTRUCTURE IN KVK

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

Sl. No.	Demo Unit	Year of establishment	Area (ac.)	Details of production			Amount (Rs.)		Remarks
				Variety	Produce	Qty.Nos	Cost of inputs	Gross income	
1	Nursery	31.03.07	0.85	Manapparai Local	Seedlings	3000	700	900	-
2	Nursery	31.03.07	0.85	Chilli Local	Seedlings	3880	700	1164	

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

Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty	Cost of inputs	Gross income	
Mango	25.02.2007	28.06.15	4	Bangalora	Fruit	1000 kg	2000	5000	-
Sapota	17.02.2007	17.12.15	0.5	PKM 1	Fruit	4300 kg	7000	25800	-
Amla	05.09.2007	30.01.16	0.5	Krishna, Kanchan	Fruit	902kg	5000	9700	-
Sorghum	11.04.15	30.07.15	0.5	Red sorghum	Seeds	780kg	10500	15600	-
Fodder Sorghum	09.06.2014	17.12.15	1.0	CO F S 29	Seeds	68kg	4900	30600	-
Cumbu napier grass	27.07.14	16.11.15	1.0	CO4	Setts	37540 Nos.	8500	18770	-
Cumbu napier grass	27.07.14	23.02.16	1.0	CO5	Setts	34800 Nos.	8500	17400	-

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

Sl. No.	Name of the Product	Qty in kg	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
1	Vermicompost	1935	4500	15480	-
2	Vermiworms	10	700	3500	-
3	Azolla	350	3200	14000	-

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

13.E. Utilization of hostel facilities

Sl. No	Accommodation (No. of beds)	No. of trainees stayed	Trainee days	Reason for shortfall
1	30	87	1988	-
Total	30	87	1988	--

13.F. Database management

S. No	Database target	Database created
1	OFT	Created
2	FLD (Oilseeds & Pulses)	Created
3	FLD (Other than oilseeds & pulses)	Created
4	Training	Created
5	Extension Activity	Created
6	Literatures	Created

7	Farmers profile	Created
8	Training framers database	Created
9	Block details	Created
10	SMS	Created
11	Staff Training	Created
12	SWTL	Created
13	Hostel used	Created
14	Staff Details	Created

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

PART XIV - FINANCIAL PERFORMANCE

14.A. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Branch code	Account Name	Account Number	MICR Number	IFSC Number
KVK Main Account	Punjab National Bank	Cantonment, Trichy	0457	Savings	3313000100120327	620024002	PUNB0045700
KVK- Revolving Fund	Punjab National Bank	Cantonment, Trichy	0457	Savings	3313000100121511	620024002	PUNB0045700
KVK- Revolving Fund	Bank of India	Kavalkaranpatti Karur	8318	Savings	831810110003494	620013502	BKID0008318
KVK- Revolving Fund	Canara Bank	Ammappettai	4522	Savings	4522101001622	620015039	CNRB0004522

14.B. Utilization of KVK funds during the year 2015-16 (Rs. in lakh)

S. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	88.10000	88.10000	88.10511
2	Traveling allowances	1	1	1.00001
3				
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	1.85	1.85	1.87555
B	POL, repair of vehicles, tractor and equipments	1.25	1.25	1.25
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	0.5	0.5	0.50020
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	0.2	0.2	0.2
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	1.7	1.7	1.69999
F	On farm testing (on need based, location specific and newly generated information in the major	0.44	0.44	0.44002

	production systems of the area)			
<i>G</i>	Training of extension functionaries	0	0	0
<i>H</i>	Maintenance of buildings	0	0	0
<i>I</i>	Establishment of Soil, Plant & Water Testing Laboratory	0	0	0
<i>J</i>	Library	0.05	0.05	0.04980
<i>K</i>	Extension Activities	0.5	0.5	0.5
<i>L</i>	Farmers Field School	0.17	0.17	0.17009
<i>M</i>	Special Programme	0.34	0.34	0.33949
TOTAL (A)		96.1	96.1	96.13026
B. Non-Recurring Contingencies				
1	Works	0	0	0
2	Equipments including SWTL & Furniture	0	0	0
3	Vehicle (Four wheeler/Two wheeler, please specify)	0	0	0
4	Library (Purchase of assets like books & journals)	0	0	0
TOTAL (B)		0	0	0
C. REVOLVING FUND		0	0	0
GRAND TOTAL (A+B+C)		96.1	96.1	96.13026

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 2013 to March 2014	5.18881	10.25201	10.93223	4.50859
April 2014 to March 2015	4.50859	19.08426	19.90917	3.68368
April 2015 to March 2016	3.68368	9.72292	8.51735	4.88925

15. Details of HRD activities attended by KVK staff during 2015-16

Name of the staff	Designation	Title of the training programme	Institute where attended	Start Date	End Date
M. Thirumurugan	Subject Matter Specialist	Traditional Paddy festival	Adhirangam	30/5/2015	31/5/2015
Dr.L.Malathi	Subject Matter Specialist	A total value chain for processing of vegetable crop for nutritional security	IIVR, Varanashi, UP	01/9/2015	11/9/2015
Dr.J.Diraviam	Senior Scientist and Head	Participated in the One day workshop on FPOs organized by ICAR ATARI Bangalore	ICAR KVK Namakkal	11/09/2015	11/09/2015

P. Tamil selvi	Subject Matter Specialist	Participated in the One day workshop on FPOs organized by ICAR ATARI Bangalore	ICAR KVK Namakkal	11/09/2015	11/09/2015
P. Kaviyarasu	Subject Matter Specialist	Participated in the One day workshop on FPOs organized by ICAR ATARI Bangalore	ICAR KVK Namakkal	11/09/2015	11/09/2015
M. Thirumurugan	Subject Matter Specialist	Winter school on Developing entrepreneurship among farmers for sustainability	Agricultural college, Hassan - UAS Bangalore	03/11/2015	23/11/2015
Dr. R. Arun	Subject Matter Specialist	Winter school on “Advances in breeding and infertility management in Canines”.	Madras Veterinary college	12/11/2015	02/12/2015
P. Tamil selvi	Subject Matter Specialist	State level Workshop on JLG	Karur	15/12/2015	15/12/2015
M. Thirumurugan	Subject Matter Specialist	First KVK Symposium Zone VIII	UAS, Dharwad.	21/01/2016	22/01/2016
M. Thirumurugan	Subject Matter Specialist	Workshop cum training for Rabi pulses Cluster front line demonstration under NFSM	TNAU, Madurai	28/01/2016	29/01/2016
P. Tamil selvi	Subject Matter Specialist	Workshop cum training for Rabi pulses Cluster front line demonstration under NFSM	TNAU, Madurai	28/01/2016	29/01/2016

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

1. Special Programme :Entrepreneurship development among SHGs through value addition, branding and marketing for income generation

Introduction:

The population in our country is growing day by day and the food requirement and unemployment is also increasing steadily. However, there is shrinkage of farm holdings due to urbanization and substantial area under rainfed situations are let fallow due to failure of monsoon. In this context there is a vast scope for promotion of value addition of agricultural products.

In Karur district the net crop sown area is about 1,11,719 ha, of which, 66,396 ha (59%) is under irrigated conditions and remaining area 45,323 ha (41%) is under rainfed and dryland farming situation. However, dryland agriculture contributes about 40% of total food grain production of the district. The major area (70%) under rainfed crops comprises pulses and oil seed crops, while 92% of millets like sorghum, Pearl Millet, ragi etc., are grown under rainfed and dry land conditions. Thus dryland and rainfed farming will continue to play a dominant role in agriculture production. The constraints in the production system are due to low or erratic distribution of rainfall coupled with frequent droughts. With the result, crops often fail with low or no yields making the farmers to be in very poor living conditions and also leads to migration.

The only option available for SHGs and Farmers are to go for value addition for better returns. In this context there is a vast scope for Entrepreneurship development among SHGs and Farmers organization.

Promotion of entrepreneur would definitely play a vital role in improving the socio-economic status of the small and marginal farmers and also the rural women. Further, promotion of value addition would also help in preserving and judicious use of biodiversity.

In order to build capacity of SHG women, entrepreneurial training and demonstration is needed on processing of high quality, competitive products for peoples. Thus promotion of entrepreneurship serves as an excellent mode for employment generation for SHG's also, increase the profitability of those farmers. Food certification is very important for marketing of prepared food products.

These enterprises not only supplement the income of the farmers but also help in increasing the family labour employment. It will generate employment opportunities of the rural poor and will enhance their livelihood security. The total production of agriculture and allied enterprises like value addition and marketing of food products as a whole will increase. The capacity building of the farmers and their livelihood security will also increase.

This special programme encompassed entrepreneurship development among SHGs through value addition, branding and marketing for income generation.

Background information:

In Karur District, due to scanty rainfall that to during monsoon season alone keeps farmers and SHG members occupied for only 4 – 5 months. In the remaining period they do not find fulltime employment. This leads to migration to nearby cities for employment. Also they are not ready to start an enterprise because of lack of processing and marketing knowledge. Even those who are involved in processing do not follow FSSAI standards, and do not adopt scientific packaging and labeling.

Progress of work done:

The project was implemented by adopting the following steps:

Awareness programmes:

We identified entrepreneur from Karur District by conduct a awareness programme. The awareness programme was conducted to various types of people in various part of Karur Districts.

Number of participant participated in awareness programme (20015-2016)

S.no	Date	Location (Village/KVK)	Block	Extension activity	No. of participant
1	01.05.15	Malaikovilur	Aravakurichi	Lecture delivered and Method demonstration	72
2	19.06.15	Vellianai	Thanthoni	Method demonstration	48
3	24.06.15	Korakuthi	Krishnarayapuram	Lecture delivered	29
4	29.06.15	Vellianai	Thanthoni	Lecture delivered	15
5	03.07.15	Kalathupatti	Thogaimalai	Lecture delivered	26
6	23.07.15	Kulithalai	Kulithalai	Field visit	54
7	24.07.15	Pothuravuthanpatti	Krishnarayapuram	Lecture delivered	39
8	27.07.15	Karur	Karur	Group discussion	48
9	28.07.15	Palaviduthi	Thrangampatti	Field visit	38
10	13.08.15	Velayuthampalayar	Thogaimalai	Training cum Demonstration	41
11	19.09.15	Karur	Karur	Training	13
12	21.09.15	KVK	Thogaimalai	Lecture delivered	30
13	12.10.15	KVK	Thogaimalai	Lecture delivered	22
14	13.10.15	KVK	Thogaimalai	Lecture delivered	25
15	28.10.15	Natchalur	Kulithalai	Demonstration	10
16	05.11.15	KVK	Thogaimalai	Lecture delivered	29
17	06.11.15	KVK	Thogaimalai	Lecture delivered	30
18	09.12.15	Vellianai	Thanthoni	SHG meeting	13
19	17.12.15	Neithalur colony	Kulithalai	Lecture delivered	36
20	23.01.16	Karungalapalli	Kulithalai	Training	20
21	23.02.16	Chinnaredipatti	Thogaimalai	Farmers day	216

During the awareness programme, the farmers, farm women and SHG members were explained about the various value added products, benefits of valued addition, marketing strategies, importance of Food certification and procedures involved in starting an enterprise.

Beneficiary's selection:

Followed by awareness programme three entrepreneurs were identified in different parts of Karur Districts.

Training

Hands on trainings (on and off campus) were given to the selected beneficiaries in the field of millet value addition, fruits and vegetables processing for velliannai, Velayuthampalayam , Pulutheri and Karur groups. Among these groups three people were prepared various food products like health mix, instant millet food mixes, edible oil, jaggery and sale through various sales outlets.

Details of training programmes

S. No	Date	Place	Training title	No. of participant
1	09.12.15	Vellianai	Value addition in amla	13
2	21.11.15	Velayuthampalayam	Value addition in amla candy and supari	21
3	23.01.15	Karungalapalli	Value addition in tomato	20
4	08.02.16	KVK	Millet value addition	30

FSSAI certification

The selected entrepreneurs from the groups were identified. The prepared products of the group members were certified under FSSAI with a guidance of ICAR - KVK, Karur.

Packaging materials selection

We select purchase a suitable packaging materials for various products like oils, millet health mix and jaggery.

Label designed

After getting of packaging materials and FSSAI certification, we designed a label and distribute to the entrepreneurs. These labels are very useful to the marketing the prepared value added food products.

Marketing opportunities

The oil extraction unit activities of Nadayanur FPC were covered by a private Satellite TV (Makkal TV) led to better awareness among the public, which led to better market opportunities. Display of these products in exhibition conducted for farmers at Chinnareddiyapatti, Organic shops and other Karur FPO outlets has also increased the market potential for these products.

Book and CD for Entrepreneurs

The book and CD was useful for entrepreneurs

Statement of Budget allotted and expenditure incurred

S. No	Particulars	Amount Sanctioned (Rs.)	Expenditure incurred (Rs.)
1	Training cum Training materials	50,000	13,825
2	Publicity(Folder, book)		5,550
3	Packaging materials		7,874
4	Labeling		6,700
Total		50,000	33,949

2. Swachh Bharath

Sl. No	Type of activity	No. of Programme	No. of Participants
1	Awareness created & Oath taken	19	1230
2	Leaflet distribution	16	650
3	Cleaning activity	16	153
4	SMS	4	20000

3. FFS on ICM in Moringa

Crop	Variety	Farming situation	No. of participants	No. of Demo	Area (ha)	Village	Season
Drumstick	Local	Gardenland	25	1	1	Malaikovilur	June-July

Sessions	Topics covered
1	Baseline collection, Problem identification and prioritization
2	Introduction to FFS, Finalizing FFS plot, session days, Entry point activity , Pre testing
3	Sub group formation Using Animal sounds, Soil sampling
4	Water holding experiment, BBE
5	Seed treatment with bio fertilizer, Seed sowing in portray, Water brigade
6	Inter-cultivation – weeding, Integrated nutrient management, Deficiency symptoms identification and importance of micronutrient with application methods
7	Pests of Drumstick and integrated pest management , Diseases of Drumstick and integrated disease management
8	Drumstick leaves dehydration technique, Value addition in Drumstick and Grading, packing and Value addition opportunities, Marketing options on value added products like Drumstick leaf powder and other products, Economics of crop production.

Results of the Demo plot

Parameters	Demo	Check
Season of fruiting	April-August	April-August
Pods per plant (Nos)	215	184
Yield per plant (kg)	25.80	21.16
Yield q/ha	286.7	235.09
Gross Cost (Rs.)	66752	74665
Gross Return (Rs.)	258030	211581
Net Returns (Rs. /ha)	191278	136916
BCR	3.86	2.83

SUMMARY FOR 2015-16
I. TECHNOLOGY ASSESSMENT

Summary of technologies assessed under various crops

Thematic areas	Crop	Name of the technology assessed	No. of trials
Varietal Evaluation	Bhendi	Assessment of YMV resistant Bhendi Hybrid CO (Bh) H 1	5
	Groundnut	Assessment of the Drought tolerant groundnut variety CO 7	5
	Sorghum	Assessment of the high yielding sorghum variety K 12	5
Integrated Pest Management			
Integrated Crop Management			
Integrated Disease Management			
Farm Machineries			
Value addition			
Total			

Summary of technologies assessed under livestock - Nil

Summary of technologies assessed under various enterprises - Nil

Summary of technologies assessed under home science- Nil

III. FRONTLINE DEMONSTRATION

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)			% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)				
					Demo		Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR	
					H	L	A										
Oilseeds																	
Castor	Varietal Evaluation	Demonstration of high yielding varieties Castor YRCH - 1	10	4	15.3	13.3	14.3	7.25	97.24	17364.6	45880	28515.4	2.68	12309	23224	10915	1.88
Sesame	IPDM	Ecological Engineering for Integrated Pest and Disease management in Sesame	10	4	5.0	3.4	3.85	3.48	10.63	12960	17902	4942	1.38	13885	16170	2285	1.16
Cereals																	
Paddy	IPDM	Integrated Pest and disease management in Rice	10	4	52.0	43.8	48.1	43.23	11.27	32820	81400	48580	2.48	34930	73150	38220	2.1
Paddy	Varietal Evaluation	Demonstration of TNAU Rice ADT 49	10	4	60.13	47.25	54.76	45.34	20.7	33485	92675	59190	2.77	37290	76725	39435	2.06
Millets																	

Pearl Millet	Varietal Evaluation	Demonstration of Pearl Millet CO (Cu) 9 variety	10	4	18.7	13.5	15.7	11.67	34.6	16750	47137.5	30387.5	2.81	17700	35000	17300	1.98
Pulses																	
Black gram	Varietal Evaluation	Demonstration of YMV resistant black gram VBN (Bg) - 6	10	4	8.0	7.38	7.69	5.57	38.1	20536.2	72526.6	51990.4	3.53	23492.5	52986.3	29493.8	2.26
Horticultural Crops																	
Moringa	IPDM	Demonstration of Ecological Engineering for Integrated Pest management in Moringa	10	0.4	191.5	171.5	181.5	174.09	4.10	59281	163386	104104	2.75	65139	156683	91544	2.40
Coconut	INM	Integrated Nutrient Management in Coconut	10	Demo in progress													
Tapioca	Farm Mechanization	Demonstration of Mechanization in tapioca	10	0.4	Demo in progress												
Brinjal	Varietal Evaluation	Demonstration of High yielding Brinjal variety PLR(BR)-2	10	4	Demo in progress												

Onio	Varietal Evaluation	Demonstration of High yielding Onion variety CO(ON)5	10	4	Demo in progress													
Snake Gourd	IPM	Demonstration of IPM for fruit fly management in Snake Gourd	5	1	365.9	309.4	331.2	238.19	39	136030	331224	195194	2.44	140260	238186	97926	1.69	
Vegetables	Nutrition garden	Introduction of organic nutrition garden in schools	4	4cent	188	80	124.5	23.5	78.1	1443	2489.95	1046.9	1.68	411.7	395	110.8	0.97	
Fiber crop																		
Cotton	Drudgery reduction	Demonstration of drudgery reduction techniques in cotton cultivation for women	5	0.4	5.2	4.5	4.9	2.2	10.52	38169.5	88326	50156.5	2.31	51875	79914	28039	1.54	

Demonstration details on crop hybrids

Crop	Name of the technology demonstrated	Name of the hybrid	No. of Demo	Area (ha)	Yield (q/ha)			Check	% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo					Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
					H	L	A										
Castor	Demonstration of high yielding varieties	Castor YRCH - 1	10	4	15.3	13.3	14.3	7.25	97.24	17364.6	45880	28515.4	2.68	12309	23224	10915	1.88
Maize	Introduction TNAU maize hybrid CO6	CO6	10	2	62.5	47.5	55.5	49.13	12.9	32525	83250	50725	2.57	34012	73687	39675	2.17

Data on other parameters in relation to technology demonstrated		
Parameter with unit	Demo	Check
Ecological Engineering for Integrated Pest and Disease management in Sesame		
No. of capsule per plant(Nos)	79.4	70.2
Percent incidence of Phyllody (%)	2.78	6.44
Pod damage percentage (%)	3.0	5.89
Demonstration of Integrated Pest and disease management in Rice		
No. of grains/ panicle(Nos)	158.9	121.6
Leaf folder incidence (%)	5.62	14.24
Stem borer incidence (%)	4.75	11.59
Blast incidence (%)	6.17	21.47
Demonstration of high yielding varieties Castor YRCH - 1		
Plant height (cm)	229.52	226.13
No. of capsule per spike(Nos)	79.2	64.4
Capsule borer incidence (%)	14.7	23.6
Demonstration of YMV resistant black gram VBN (Bg) - 6		
No of plants per m ² (Nos)	35.68	34.5
No.of Pods per plant(Nos)	25.2	18.9
Yellow mosaic virus disease incidence (%)	1.73	45.19
Demonstration of Pearl Millet CO (Cu) 9 variety		
Length of ear head (cm)	34.2	25.1
% disease incidence (%) (Ergot Disease)	25.1	40.9
Demonstration of TNAU Rice ADT 49		
No. of productive tiller per hill(Nos)	33.1	23.6
No. of grains per panicle(Nos)	144.7	123.7
% disease incidence (%) (Blast)	16.6	37.9
Demonstration of Ecological Engineering for Integrated Pest management in Moringa		
No. of pods per tree(Nos)	191.5	177.9
Yield/ ha(tonnes)	181.54	174.09
Incidence of Leaf caterpillar (%)	11.12	22.35
Incidence of Leaf bud worm (%)	8.19	10.76

Demonstration of TNAU Maize hybrid CO6		
Weight of grains per cob (g)	207	177.5
No of grains (Nos)	487.6	448.3
Cob Length (cm)	18	15.2
Cob girth (cm)	15.55	15.1
Integrated Nutrient Management in Coconut		
No of leaves / tree(Nos)	28.8	27.5
No of spaths / tree(Nos)	8.5	8.2
Button shedding percentage (%)	25.5	44.8
Demonstration of IPM for fruit fly management in Snake Gourd using Methyl Eugenol traps		
Percent fruit damage (%)	3.22	21.11
Demonstration of drudgery reduction techniques in cotton cultivation for women		
Harvesting yield/hr	4.9	2.2
Harvesting time/ha/person	429.6	967.8
Area of Fertilizer application/hr/ha	0.0754	0.0414

IV. Training Programme

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop Production	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	-	-	-	-	-	-	-	-	-	-
Horticulture	-	-	-	-	-	-	-	-	-	-
Farm Machinery	-	-	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-	-	-
Cultivation of Fruit	-	-	-	-	-	-	-	-	-	-
Nutrient management in Banana	-	-	-	-	-	-	-	-	-	-
Livestock Production and Management	-	-	-	-	-	-	-	-	-	-
Dairy management	1	9	9	18	0	1	1	9	10	19
Scientific rearing of goat farming	7	33	93	126	1	53	54	34	146	180
Quail Farming	1	18	1	19	0	0	0	18	1	19
Feed and Fodder technology	4	2	82	84	0	31	31	2	113	115
Home Science/Women empowerment	-	-	-	0	-	-	0	0	0	0
Value addition	1	15	10	25	0	5	5	15	15	30
Food adulteration and its ill effects	-	-	-	0	-	-	0	0	0	0
health benefits	1	16	4	20	-	-	0	16	4	20
Plant Protection	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-
Integrated Disease Management	-	-	-	-	-	-	-	-	-	-
Production of Inputs at site	-	-	-	-	-	-	-	-	-	-
Organic manures production	-	-	-	-	-	-	-	-	-	-
Organic Certification and Marketing	-	-	-	-	-	-	-	-	-	-

Capacity Building and Group Dynamics	-	-	-	-	-	-	-	-	-	-
Marketing aspects for Agricultural products	-	-	-	-	-	-	-	-	-	-
Agro-forestry	-	-	-	-	-	-	-	-	-	-
Traditional Rice Cultivation and Value Addition to mitigate climate change impacts	-	-	-	-	-	-	-	-	-	-
TOTAL	15	93	199	292	1	90	91	94	289	383

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop Production	-	-	-	-	-	-	-	-	-	-
Weed Management	-	-	-	-	-	-	-	-	-	-
Resource Conservation Technologies	-	-	-	-	-	-	-	-	-	-
Crop Diversification	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	1	8	4	12	-	-	-	8	4	12
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-
Cultivation practices / Production Technologies	-	-	-	-	-	-	-	-	-	-
Paddy crop yield improvement techniques	-	-	-	-	-	-	-	-	-	-
Integrated Farming System	-	-	-	-	-	-	-	-	-	-
Horticulture	-	-	-	-	-	-	-	-	-	-
Cultivation practices	-	-	-	-	-	-	-	-	-	-
Production Technologies	6	127	59	186	-	9	9	127	68	195
Integrated Crop Management	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-	-	-
Cultivation of Fruit	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	2	35	-	35	-	-	-	35	-	35

High density planting system of banana	-	-	-	-	-	-	-	-	-	-
Sucker maintenance and Nutrient management in banana	-	-	-	-	-	-	-	-	-	-
Nutrient management in banana	-	-	-	-	-	-	-	-	-	-
Preharvest spray and bunch cover techniques in banana	-	-	-	-	-	-	-	-	-	-
Integrated disease management in Banana	-	-	-	-	-	-	-	-	-	-
Soil Health and Fertility Management	-	-	-	-	-	-	-	-	-	-
Soil fertility management	-	-	-	-	-	-	-	-	-	-
Integrated nutrient management	4	72	10	82	12	7	19	84	17	101
Soil and water testing	-	-	-	-	-	-	-	-	-	-
Livestock Production and Management	-	-	-	-	-	-	-	-	-	-
Dairy Management	4	82	47	129	5	6	11	87	53	140
Animal Disease Management	1	-	26	26	-	19	19	-	45	45
Feed and Fodder technology	1	30	4	34	1	-	1	31	4	35
Effective animal waste management	-	-	-	-	-	-	-	-	-	-
Scientific rearing of goat farming	2	24	42	66	9	5	14	33	47	80
Desi bird farming	1	28	8	36	1	3	4	29	11	40
Home Science/Women empowerment	-	-	-	-	-	-	-	-	-	-
Nutrition efficiency diet	-	-	-	-	-	-	-	-	-	-
Processing and cooking	-	-	-	-	-	-	-	-	-	-
Value addition	6	42	71	113	4	11	15	46	82	128
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
Health benefits	3	24	34	58	-	8	8	24	42	66
Agril. Engineering	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	1	36	1	37	-	-	-	36	1	37
Plant Protection	-	-	-	-	-	-	-	-	-	-

Integrated Pest Management	2	65	2	67	-	-	-	65	2	67
Integrated Disease Management	-	-	-	-	-	-	-	-	-	-
Integrated Pest and Disease Management	3	34	35	69	-	-	-	34	35	69
Production of Inputs at site	-	-	-	-	-	-	-	-	-	-
Organic manures production	-	-	-	-	-	-	-	-	-	-
Capacity Building and Group Dynamics	-	-	-	-	-	-	-	-	-	-
Entrepreneurial development of farmers/youths	-	-	-	-	-	-	-	-	-	-
Total	37	607	343	950	32	68	100	639	411	1050

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

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-
Nutrition garden	2	24	22	46	0	0	0	24	22	46
TOTAL	2	24	22	46	0	0	0	24	22	46

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient management	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-
Protected cultivation technology	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-
Care and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-
Women and Child care	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-
Organic cultivation techniques	1	16	4	20	0	0	0	16	4	20
Total	1	16	4	20	0	0	0	16	4	20

7.F. Training programmes for Extension Personnel including sponsored training programmes (off campus) - Nil

7. G. Sponsored training programmes conducted

S.No	Area of training	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
1	Crop production and management	-	-	-	-	-	-	-	-	-	-
1.a.	Increasing production and productivity of crops	-	-	-	-	-	-	-	-	-	-
	Pest and disease management	-	-	-	-	-	-	-	-	-	-
	Traditional Rice Cultivation and Value Addition to mitigate climate change impacts	-	-	-	-	-	-	-	-	-	-
2	Horticulture	-	-	-	-	-	-	-	-	-	-
2.a.	Production technologies	1	28	24	52	0	0	0	28	24	52
	Commercial floriculture	-	-	-	-	-	-	-	-	-	-
3.	Soil health and fertility management	-	-	-	-	-	-	-	-	-	-
	Nutrient management	-	-	-	-	-	-	-	-	-	-
4	Livestock production and management	-	-	-	-	-	-	-	-	-	-
4.a.	Dairy Management	2	26	41	67	0	3	3	26	44	70
4.b.	Desi bird farming	1	28	8	36	1	3	4	29	11	40
4.c.	Scientific rearing of goat farming	1	22	11	33	6	1	7	28	12	40
5.	Home Science	-	-	-	-	-	-	-	-	-	-
5. a	Banana value addition products	-	-	-	-	-	-	-	-	-	-
6	Mushroom cultivation and its value addition	-	-	-	-	-	-	-	-	-	-
7	Agricultural Extension	-	-	-	-	-	-	-	-	-	-
7.a	Marketing aspects for Agricultural products	-	-	-	-	-	-	-	-	-	-
7.b	Employment opportunities in Agriculture and allied sectors	-	-	-	-	-	-	-	-	-	-
	Total	5	104	84	188	7	7	14	111	91	202

Details of sponsoring agencies involved

1. ATMA, 2.RSETI, IOB, Karur

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

V. Extension Programmes

Nature of Extension Programme	No. of Programmes	No. of Participants (General)			No. of Participants SC / ST			No. of extension personnel		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	3	63	13	76	-	-	-	-	-	-
Exhibition	1	72	25	97	-	-	-	-	-	-
Farmers fair	-	-	-	-	-	-	-	-	-	-
Film show	-	-	-	-	-	-	-	-	-	-
Method Demonstration	15	158	62	220	-	-	-	-	-	-
Lectures delivered as resource persons	124	3712	1411	5123	-	-	-	-	-	-
Newspaper coverage	12	-	-	-	-	-	-	-	-	-
Radio talks	13	-	-	-	-	-	-	-	-	-
TV Programme	7	-	-	-	-	-	-	-	-	-
Workshop	-	-	-	-	-	-	-	-	-	-
Advisory Services	642	1468	352	1820	-	-	-	-	-	-
Scientific visit to farmers field (Micro irrigation inspection)	40	25	5	30	6	4	10	-	-	-
Green house inspection	5	17	3	20	-	-	-	-	-	-
NADP (District action plan preparation)	7	0	0	0	-	-	-	16	8	24
Farmers visit to KVK	44	639	121	760	-	-	-	-	-	-
Diagnostic visits	21	65	14	79	-	-	-	-	-	-
Exposure visits	7	179	15	194	-	-	-	-	-	-
Animal Health Camp	4	71	13	84	-	-	-	-	-	-
Farmers club formation	1	10	5	15	-	-	-	-	-	-
Farmers club meetings	4	147	27	174	-	-	-	-	-	-
Farmers fair	0	0	0	0	-	-	-	-	-	-
Group meeting	12	194	32	226	-	-	-	-	-	-
Field visits	197	650	113	763	-	-	-	-	-	-

Ex trainees Meeting	0	0	0	0	-	-	-	-	-	-
Extension literatures distributed	9	431	85	516	-	-	-	-	-	-
Voice SMS	-	-	-	-	-	-	-	-	-	-
Environment Day	-	-	-	-	-	-	-	-	-	-
DVD	-	-	-	-	-	-	-	-	-	-
PRA	1	15	6	21	-	-	-	-	-	-
Farm School	-	-	-	-	-	-	-	-	-	-
Focus group discussion	-	-	-	-	-	-	-	-	-	-
Pre Season campaign	2	125	10	135	-	-	-	23	-	23
Article	18	0	0	0	-	-	-	-	-	-
Radio Announcement	23	0	0	0	-	-	-	-	-	-
Bank literacy programme	2	58	0	58	-	-	-	-	-	-
Jai Kisan Jai Vigyan	1	74	16	90	-	-	-	-	-	-
Mobile SMS	29	0	0	0	-	-	-	-	-	-
Text SMS	4	0	0	0	-	-	-	-	-	-
World soil day	1	130	0	130	-	-	-	-	-	-
Total	1250	8303	2328	10631	6	4	10	39	9	48

VI. PRODUCTION OF SEED/PLANTING MATERIAL

Production of seeds by the KVKs

Crop category	Name of the crop	Variety	Hybrid	Quantity of seed (Qtl)	Value (Rs)	Number of farmers to whom provided
Cereals (crop wise)	Sorghum	Red sorghum		7.8	15600	-
Fodder crop seeds	Fodder	CO(FS) 29		0.68	30600	27
Total				8.48	46200	

Production of planting materials by the KVKs

Crop category	Name of the crop	Variety	Hybrid	Number	Value (Rs.)	Number of farmers to whom provided
Vegetable seedlings	Brinjal seedlings	Manapp arai Local		3000	900	1
Vegetable seedlings	Chilli	Local		3880	1164	1

	Seedlings					
Fodder crop saplings	Cumbu Napier Hybrid	CO 4		37540	18770	-
	Cumbu Napier Hybrid	CO 5		34800	17400	-
Total				81340	39770	

Production of Bio-Products

Bio Products	Name of the bio-product	Quantity Kg	Value (Rs.)	Number of farmers to whom provided
Others	Azolla	350	14000	-
	Banana Special	70	8400	-
	Vemicompost	1935	15480	-
	Vermiworms	10	3500	-
Total		2365	41380	-

Production of livestock and related enterprise materials – Nil

VII .DETAILS OF SOIL, WATER AND PLANT ANALYSIS 2015-16

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages	Amount realized (Rs.)
Soil Samples	171	125	39	2700
Water Sample	28	20	21	175
Total	199	145	60	2875
No. of grid samples taken: 58				
No. of Soil health cards distributed: 253				

VIII. SCIENTIFIC ADVISORY COMMITTEE

Number of SACs conducted - 1

IX. NEWSLETTER

Number of issues of newsletter published - 4 (2000 copies)
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