

ACTION PLAN

(OCTOBER 2009 TO SEPTEMBER 2010)

OF

KRISHI VIGYAN KENDRA JAMNAGAR

**TO BE PRESENTED AT
ANNUAL ZONAL WORKSHOP
OF
ZONE-VI
(Rajasthan & Gujarat)**

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ANNUAL ACTION PLAN OCTOBER-2009 TO SEPTEMBER-2010 OF KVK, JAU, JAMNAGAR

1. TRAINING

QUARTER WISE

1.1 ON CAMPUS TRAINING (For practicing farmers, farm women and rural youth)

Month	Subject	Title of Training	Dura . Days	No. of Parti .	Type of Parti .
Quarter-I		(1st January, 10 to 31st March, 10)			
Jan	Home Science/Women empowerment	Value addition	1	25	PF
Jan	Plant Protection	Integrated Pest Management	1	25	PF
Jan	Capacity Building and Group Dynamics	Formation and Management of SHGs	1	25	PF
Jan	Crop Production	Integrated Farming	1	25	RY
Jan	Fisheries	Freshwater prawn culture	1	25	RY
Feb	Production of input at a site	Vermi-culture	1	25	RY
mar	Home science	Value addition	1	25	RY
Quarter-II		(1st April, 10 to 30th June, 10)			
Apr	Soil Health and Fertility Management	Soil fertility management	1	25	PF
Apr	Fisheries	Integrated fish farming	1	25	PF
Apr	Capacity Building and Group Dynamics	Leadership development	1	25	PF
Apr	Production of input at a site	Seed production	1	25	RY
May	Crop Production	Crop Diversification	1	25	PF
May	Home Science/Women empowerment	Value addition	1	25	PF
May	Production of Inputs at a site	Organic manures production	1	25	PF
May	Production of inputs at a site	Seed production	1	25	RY
Jun	Crop Production	Weed Management	1	25	PF
Jun	Soil Health and Fertility Management	Micro nutrient deficiency in crops	1	25	PF
Jun	Plant Protection	Production of bio control agents and bio pesticides	1	25	PF
Jun	Fisheries	Composite fish culture	1	25	PF
Quarter-III		(1st July, 10 to 30th Sept., 10)			
Jul	Plant Protection	Integrated Pest Management	1	25	PF
Jul	Plant Protection	Integrated Disease Management	1	25	PF
Jul	Fisheries	Composite fish culture	1	25	PF
Jul	Produitiion of input at site	Productivity enhancement in field crops	1	25	EF
Aug	Plant Protection	Integrated Pest Management	1	25	PF
Aug	Plant Protection	Bio-control of pests and diseases	1	25	PF
Aug	Plant Protection	Integrated Pest Management	1	25	EF
Sep	Plant Protection	Integrated Pest Management	1	25	PF
Sep	Plant Protection	Integrated Disease Management	1	25	PF
Quarter-IV		(1st October, 09 to 31st December , 09)			

Oct	Soil Health and Fertility Management	Nutrient Use Efficiency	1	25	PF
Oct	Plant Protection	Integrated Pest Management	1	25	PF
Oct	Production of Inputs at site	Vermi-compost production	1	25	PF
Oct	Production of input at a site	Vermi-culture	1	25	RY
Nov	Crop Production	Weed Management	1	25	PF
Nov	Home Science/Women empowerment	Women and child care	1	25	PF
Nov	Plant Protection	Integrated Pest Management	1	25	PF
Nov	Plant Protection	Integrated Disease Management	1	25	PF
Nov	Production of input at a site	Vermi-culture	1	25	RY
Dec	Crop Production	Water management	1	25	PF
Dec	Home Science/Women empowerment	Value addition	1	25	PF
Dec	Plant Protection	Integrated Pest Management	1	25	PF
Dec	Plant Protection	Integrated Disease Management	1	25	PF
Dec	Production of Inputs at site	Organic manures production	1	25	PF

1.2 OFF CAMPUS TRAINING (For practicing farmers, farm women and rural youth)

Month	Subject	Title of Training	Dura . Days	No. of Parti .	Type of Parti .
	Quarter-I	(1st January, 10 to 31st March, 10)			
Jan	Home Science/Women empowerment	Value addition	1	25	PF
Jan	Plant Protection	Integrated Disease Management	1	25	PF
Jan	Fisheries	Integrated fish farming	1	25	PF
Jan	Capacity Building and Group Dynamics	Group dynamics	1	25	PF
Feb	Production of Inputs at site	Organic manures production	1	25	PF
Feb	Capacity Building and Group Dynamics	Formation and Management of SHGs	1	25	PF
Feb	Production of input at a site	Vermi-culture	1	25	RY
Mar	Production of input at a site	Vermi-culture	1	25	RY
Mar	Home science	Value addition	1	25	RY
	Quarter-II	(1st April, 10 to 30th June, 10)			
Apr	Soil Health and Fertility Management	Soil and Water Conservation	1	25	PF
Apr	Home Science/Women empowerment	Value addition	1	25	PF
Apr	Production of Inputs at site	Seed Production	1	25	PF
Apr	Capacity Building and Group Dynamics	Leadership development	1	25	PF
Apr	Production of input at a site	Seed production	1	25	RY
May	Crop Production	Crop Diversification	1	25	PF
May	Crop Production	Water management	1	25	PF
May	Home Science/Women empowerment	Income generation activities for empowerment of rural Women	1	25	PF

May	Fisheries	Composite fish culture	1	25	PF
Jun	Crop Production	Weed Management	1	25	PF
Jun	Fisheries	Composite fish culture	1	25	PF
Quarter-III		(1st July, 10 to 30th Sept., 10)			
Jul	Soil Health and Fertility Management	Nutrient Use Efficiency	1	25	PF
Jul	Home Science/Women empowerment	Design and development of low/minimum cost diet	1	25	PF
Jul	Plant Protection	Integrated Pest Management	1	25	PF
Jul	Plant Protection	Integrated Disease Management	1	25	PF
Jul	Fisheries	Shrimp farming	1	25	PF
Aug	Plant Protection	Integrated Pest Management	1	25	PF
Aug	Plant Protection	Integrated Disease Management	1	25	PF
Aug	Plant Protection	Integrated Disease Management	1	25	PF
Aug	Fisheries	Shrimp farming	1	25	PF
Aug	Production of input at a site	Productivity enhancement in field crops	1	25	EF
Sep	Home Science/Women empowerment	Income generation activities for empowerment of rural Women	1	25	PF
Sep	Plant Protection	Integrated Pest Management	1	25	PF
Sep	Plant Protection	Integrated Pest Management	1	25	PF
Sep	Plant Protection	Integrated Disease Management	1	25	PF
Quarter-IV		(1st October, 09 to 31st December , 09)			
Oct	Home Science/Women empowerment	Women and child care	1	25	PF
Oct	Plant Protection	Integrated Pest Management	1	25	PF
Oct	Plant Protection	Bio-control of pests and diseases	1	25	PF
Oct	Plant Protection	Integrated Disease Management	1	25	PF
Oct	Fisheries	Breeding and culture of ornamental fishes	1	25	PF
Nov	Crop Production	Weed Management	1	25	PF
Nov	Home Science/Women empowerment	Value addition	1	25	PF
Nov	Home Science/Women empowerment	Women and child care	1	25	PF
Nov	Plant Protection	Integrated Pest Management	1	25	PF
Nov	Plant Protection	Integrated Disease Management	1	25	PF
Nov	Plant Protection	Integrated Disease Management	1	25	PF
Nov	Fisheries	Fish processing and value addition	1	25	PF
Nov	Extension Personnel	Integrated Pest Management	1	25	EF
Dec	Plant Protection	Integrated Disease Management	1	25	PF
Dec	Fisheries	Integrated fish farming	1	25	PF

MONTH WISE

Sr. No.	Subject	On campus													T.	
		2010									2009					
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec			
	Farmers & Farm Women															
1	Crop production	0	0	0	0	1	1	0	0	0	0	0	1	1	4	

2	Horticulture	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Soil health & Fertility	0	0	0	1	0	1	0	0	0	1	0	0	3
4	Live stock production & management	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Home science	1	0	0	0	1	0	0	0	0	0	1	1	4
6	Agril Engineering	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Plant protection	1	0	0	0	0	1	2	2	2	1	2	2	13
8	Fisheries	0	0	0	1	0	1	1	0	0	0	0	0	3
9	Production of Input at site	0	0	1	0	0	0	0	0	0	1	0	1	3
10	Capacity Building and Group Management	1	0	0	1	0	0	0	0	0	0	0	0	2
11	Agro-foreshtry	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Farmers & Farm Women	3	0	1	3	2	4	3	2	2	3	4	5	32
	Rural Youth	1	1	1	2	1	0	0	0	0	1	1	0	8
	Extesnion Personals	0	0	0	0	0	0	1	1	0	0	0	0	2
	Grand Total	4	1	2	5	3	4	4	3	2	4	5	5	42

Sr. No.	Subject	Off campus												T.	
		2010									2009				
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
	Farmers & Farm Women														
1	Crop production	0	0	0	0	2	1	0	0	0	0	1	0	4	
2	Horticulture	0	0	0	0	0	0	0	0	0	0	0	0	0	
3	Soil health & Fertility	0	0	0	1	0	0	1	0	0	0	0	0	2	
4	Live stock production & management	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	Home science	1	0	0	1	1	0	1	0	1	1	2	0	8	
6	Agril Engineering	0	0	0	0	0	0	0	0	0	0	0	0	0	
7	Plant protection	1	0	0	0	0	0	2	3	3	3	3	1	16	
8	Fisheries	1	0	0	0	1	1	1	1	0	1	1	1	8	
9	Production of Input at site	0	1	0	1	0	0	0	0	0	0	0	0	2	
10	Capacity Building and Group Management	1	1	0	1	0	0	0	0	0	0	0	0	3	
11	Agro-foreshtry	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Total Farmers & Farm Women	4	2	0	4	4	2	5	4	4	5	7	2	43	
	Rural Youth	0	0	0	1	2	1	0	0	0	0	0	0	4	
	Extesnion Personals	0	0	0	0	0	0	0	1	0	0	1	0	2	
	Grand Total	4	3	2	5	4	2	5	5	4	5	8	2	49	

Sr. No.	Subject	On + Off campus												T.
		2010									2009			
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	

Farmers & Farm Women														
1	Crop production	0	0	0	0	3	2	0	0	0	0	2	1	8
2	Horticulture	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Soil health & Fertility	0	0	0	2	0	1	1	0	0	1	0	0	5
4	Live stock production & management	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Home science	2	0	0	1	2	0	1	0	1	1	3	1	12
6	Agril Engineering	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Plant protection	2	0	0	0	0	1	4	5	5	4	5	3	29
8	Fisheries	1	0	0	1	1	2	2	1	0	1	1	1	11
9	Production of Input at site	0	1	1	1	0	0	0	0	0	1	0	1	5
10	Capacity Building and Group Management	2	1	0	2	0	0	0	0	0	0	0	0	5
11	Agro-foreshtry	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Farmers & Farm Women	7	2	1	7	6	6	8	6	6	8	11	7	75
	Rural Youth	1	1	1	3	3	1	0	0	0	1	1	0	12
	Extesnion Personals	0	0	0	0	0	0	1	2	0	0	1	0	4
	Grand Total	8	4	4	10	7	6	9	8	6	9	13	7	91

A. Training programmes (In details):

Quarterwise training programmes on various aspects related to Agricultural technology based on thrust areas will be organized during the year 2008-2009. Details of training programme is as under.

A.1. On Campus Training Programme: (for practicing farmers, farm women & rural youth)

Thematic Area	No. of Courses (ON CAMPUS)												Total	
	2010									2009				
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
(A) Farmers & Farm Women														
I Crop Production														
Weed Management						1						1		2
Resource Conservation Technologies														0
Cropping Systems														0
Crop Diversification					1									1
Integrated Farming														0
Water management													1	1
Seed production														0
Nursery management														0
Integrated Crop Management														0
Fodder production														0

Production of organic inputs													0
Total	0	0	0	0	1	1	0	0	0	0	1	1	4
II Horticulture													
a) Vegetable Crops													0
Production of low volume and high value crops													0
Off-season vegetables													0
Nursery raising													0
Exotic vegetables like Broccoli													0
Export potential vegetables													0
Grading and standardization													0
Protective cultivation (Green Houses, Shade Net etc.)													0
b) Fruits													0
Training and Pruning													0
Layout and Management of Orchards													0
Cultivation of Fruit													0
Management of young plants/orchards													0
Rejuvenation of old orchards													0
Export potential fruits													0
Micro irrigation systems of orchards													0
Plant propagation techniques													0
c) Ornamental Plants													0
Nursery Management													0
Management of potted plants													0
Export potential of ornamental plants													0
Propagation techniques of Ornamental Plants													0
d) Plantation crops													0
Production and Management technology													0
Processing and value addition													0
e) Tuber crops													0
Production and Management technology													0
Processing and value addition													0
f) Spices													0
Production and Management technology													0
Processing and value addition													0
g) Medicinal and Aromatic Plants													0
Nursery management													0
Production and management technology													0

Post harvest technology and value addition													0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0
III Soil Health and Fertility Management													
Soil fertility management				1									1
Soil and Water Conservation													0
Integrated Nutrient Management													0
Production and use of organic inputs													0
Management of Problematic soils													0
Micro nutrient deficiency in crops						1							1
Nutrient Use Efficiency										1			1
Soil and Water Testing													0
Total	0	0	0	1	0	1	0	0	0	1	0	0	3
IV Livestock Production and Management													
Dairy Management													0
Poultry Management													0
Piggery Management													0
Rabbit Management													0
Disease Management													0
Feed management													0
Production of quality animal products													0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0
V Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													0
Design and development of low/minimum cost diet													0
Designing and development for high nutrient efficiency diet													0
Minimization of nutrient loss in processing													0
Gender mainstreaming through SHGs													0
Storage loss minimization techniques													0
Value addition	1				1							1	3
Income generation activities for empowerment of rural Women													0
Location specific drudgery reduction technologies													0
Rural Crafts													0
Women and child care											1		1
Total	1	0	0	0	1	0	0	0	0	0	1	1	4

VI Agril. Engineering													
Installation and maintenance of micro irrigation systems													0
Use of Plastics in farming practices													0
Production of small tools and implements													0
Repair and maintenance of farm machinery and implements													0
Small scale processing and value addition													0
Post Harvest Technology													0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0
VII Plant Protection													
Integrated Pest Management	1						1	1	1	1	1	1	7
Integrated Disease Management							1		1		1	1	4
Bio-control of pests and diseases								1					1
Production of bio control agents and bio pesticides						1							1
Total	1	0	0	0	0	1	2	2	2	1	2	2	13
VIII Fisheries													
Integrated fish farming				1									1
Carp breeding and hatchery management													0
Carp fry and fingerling rearing													0
Composite fish culture						1	1						2
Hatchery management and culture of freshwater prawn													0
Breeding and culture of ornamental fishes													0
Portable plastic carp hatchery													0
Pen culture of fish and prawn													0
Shrimp farming													0
Edible oyster farming													0
Pearl culture													0
Fish processing and value addition													
Total	0	0	0	1	0	1	1	0	0	0	0	0	3
IX Production of Inputs at site													
Seed Production													0
Planting material production													0
Bio-agents production													0
Bio-pesticides production													0
Bio-fertilizer production													0
Vermi-compost production										1			1
Organic manures production			1									1	2
Production of fry and fingerlings													0
Production of Bee-colonies and wax sheets													0

Small tools and implements													0
Production of livestock feed and fodder													0
Production of Fish feed													0
Total	0	0	1	0	0	0	0	0	0	1	0	1	3
X Capacity Building and Group Dynamics													
Leadership development				1									1
Group dynamics													0
Formation and Management of SHGs	1												1
Mobilization of social capital													0
Entrepreneurial development of farmers/youths													0
WTO and IPR issues													0
Total	1	0	0	1	0	0	0	0	0	0	0	0	2
XI Agro-forestry													
Production technologies													0
Nursery management													0
Integrated Farming Systems													0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0
XII Others (Pl. Specify)													
TOTAL	3	0	1	3	2	4	3	2	2	3	4	5	32
(B) RURAL YOUTH													
Mushroom Production													0
Bee-keeping													0
Integrated farming													0
Seed production				1	1								2
Production of organic inputs													0
Integrated Farming	1												1
Planting material production													0
Vermi-culture		1								1	1		3
Sericulture													0
Protected cultivation of vegetable crops													0
Commercial fruit production													0
Repair and maintenance of farm machinery and implements													0
Nursery Management of Horticulture crops													0
Training and pruning of orchards													0
Value addition			1										1
Production of quality animal products													0
Dairying													0
Sheep and goat rearing													0

Quail farming														0
Piggery														0
Rabbit farming														0
Poultry production														0
Ornamental fisheries														0
Para vets														0
Para extension workers														0
Composite fish culture														0
Freshwater prawn culture				1										1
Shrimp farming														0
Pearl culture														0
Cold water fisheries														0
Fish harvest and processing technology														0
Fry and fingerling rearing														0
Small scale processing														0
Post Harvest Technology														0
Tailoring and Stitching														0
Rural Crafts														0
TOTAL	1	1	1	2	1	0	0	0	0	0	1	1	0	8
(C) Extension Personnel														
Productivity enhancement in field crops								1						1
Integrated Pest Management									1					1
Integrated Nutrient management														0
Rejuvenation of old orchards														0
Protected cultivation technology														0
Formation and Management of SHGs														0
Group Dynamics and farmers organization														0
Information networking among farmers														0
Capacity building for ICT application														0
Care and maintenance of farm machinery and implements														0
WTO and IPR issues														0
Management in farm animals														0
Livestock feed and fodder production														0
Household food security														0
Women and Child care														0
Low cost and nutrient efficient diet designing														0
Production and use of organic inputs														0

Gender mainstreaming through SHGs													0
Any other (Pl. Specify)													0
TOTAL	0	0	0	0	0	0	1	1	0	0	0	0	2
Grand Total	4	1	2	5	3	4	4	3	2	4	5	5	42

A.2 Off- Campus training (for practicing farmers , farm women & rural youth)

Thematic Area	No. of Courses (OFF CAMPUS)												Total
	2010						2009						
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
(A) Farmers & Farm Women													
I Crop Production													
Weed Management						1					1		2
Resource Conservation Technologies													0
Cropping Systems													0
Crop Diversification					1								1
Integrated Farming													0
Water management					1								1
Seed production													0
Nursery management													0
Integrated Crop Management													0
Fodder production													0
Production of organic inputs													0
Total	0	0	0	0	2	1	0	0	0	0	1	0	4
II Horticulture													
a) Vegetable Crops													0
Production of low volume and high value crops													0
Off-season vegetables													0
Nursery raising													0
Exotic vegetables like Broccoli													0
Export potential vegetables													0
Grading and standardization													0
Protective cultivation (Green Houses, Shade Net etc.)													0
b) Fruits													0
Training and Pruning													0
Layout and Management of Orchards													0
Cultivation of Fruit													0
Management of young plants/orchards													0
Rejuvenation of old orchards													0
Export potential fruits													0
Micro irrigation systems of orchards													0
Plant propagation techniques													0

c) Ornamental Plants														0
Nursery Management														0
Management of potted plants														0
Export potential of ornamental plants														0
Propagation techniques of Ornamental Plants														0
d) Plantation crops														0
Production and Management technology														0
Processing and value addition														0
e) Tuber crops														0
Production and Management technology														0
Processing and value addition														0
f) Spices														0
Production and Management technology														0
Processing and value addition														0
g) Medicinal and Aromatic Plants														0
Nursery management														0
Production and management technology														0
Post harvest technology and value addition														0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0
III Soil Health and Fertility Management														
Soil fertility management														0
Soil and Water Conservation				1										1
Integrated Nutrient Management														0
Production and use of organic inputs														0
Management of Problematic soils														0
Micro nutrient deficiency in crops														0
Nutrient Use Efficiency							1							1
Soil and Water Testing														0
Total	0	0	0	1	0	0	1	0	0	0	0	0	0	2
IV Livestock Production and Management														
Dairy Management														0
Poultry Management														0
Piggery Management														0
Rabbit Management														0
Disease Management														0
Feed management														0
Production of quality animal products														0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0

V Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													0
Design and development of low/minimum cost diet						1							1
Designing and development for high nutrient efficiency diet													0
Minimization of nutrient loss in processing													0
Gender mainstreaming through SHGs													0
Storage loss minimization techniques													0
Value addition	1			1						1			3
Income generation activities for empowerment of rural Women					1				1				2
Location specific drudgery reduction technologies													0
Rural Crafts													0
Women and child care										1	1		2
Total	1	0	0	1	1	0	1	0	1	1	2	0	8
VI Agril. Engineering													
Installation and maintenance of micro irrigation systems													0
Use of Plastics in farming practices													0
Production of small tools and implements													0
Repair and maintenance of farm machinery and implements													0
Small scale processing and value addition													0
Post Harvest Technology													0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0
VII Plant Protection													
Integrated Pest Management							1	1	2	1	1		6
Integrated Disease Management	1						1	2	1	2	2	1	10
Bio-control of pests and diseases													0
Production of bio control agents and bio pesticides													0
Total	1	0	0	0	0	0	2	3	3	3	3	1	16
VIII Fisheries													
Integrated fish farming	1											1	2
Carp breeding and hatchery management													0
Carp fry and fingerling rearing													0
Composite fish culture					1	1							2

Hatchery management and culture of freshwater prawn													0
Breeding and culture of ornamental fishes										1			1
Portable plastic carp hatchery													0
Pen culture of fish and prawn													0
Shrimp farming							1	1					2
Edible oyster farming													0
Pearl culture													0
Fish processing and value addition											1		1
Total	1	0	0	0	1	1	1	1	0	1	1	1	8
IX Production of Inputs at site													
Seed Production				1									1
Planting material production													0
Bio-agents production													0
Bio-pesticides production													0
Bio-fertilizer production													0
Vermi-compost production													0
Organic manures production		1											1
Production of fry and fingerlings													0
Production of Bee-colonies and wax sheets													0
Small tools and implements													0
Production of livestock feed and fodder													0
Production of Fish feed													0
Total	0	1	0	1	0	0	0	0	0	0	0	0	2
X Capacity Building and Group Dynamics													
Leadership development				1									1
Group dynamics	1												1
Formation and Management of SHGs		1											1
Mobilization of social capital													0
Entrepreneurial development of farmers/youths													0
WTO and IPR issues													0
Total	1	1	0	1	0	0	0	0	0	0	0	0	3
XI Agro-forestry													
Production technologies													0
Nursery management													0
Integrated Farming Systems													0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0
XII Others (Pl. Specify)													
TOTAL	4	2	0	4	4	2	5	4	4	5	7	2	43
(B) RURAL YOUTH													

Mushroom Production														0
Bee-keeping														0
Integrated farming														0
Seed production				1										1
Production of organic inputs														0
Integrated Farming														0
Planting material production														0
Vermi-culture		1	1											2
Sericulture														0
Protected cultivation of vegetable crops														0
Commercial fruit production														0
Repair and maintenance of farm machinery and implements														0
Nursery Management of Horticulture crops														0
Training and pruning of orchards														0
Value addition				1										1
Production of quality animal products														0
Dairying														0
Sheep and goat rearing														0
Quail farming														0
Piggery														0
Rabbit farming														0
Poultry production														0
Ornamental fisheries														0
Para vets														0
Para extension workers														0
Composite fish culture														0
Freshwater prawn culture														0
Shrimp farming														0
Pearl culture														0
Cold water fisheries														0
Fish harvest and processing technology														0
Fry and fingerling rearing														0
Small scale processing														0
Post Harvest Technology														0
Tailoring and Stitching														0
Rural Crafts														0
TOTAL	0	1	2	1	0	0	0	0	0	0	0	0	0	4
(C) Extension Personnel														
Productivity enhancement in field crops								1						1

Integrated Pest Management											1		1
Integrated Nutrient management													0
Rejuvenation of old orchards													0
Protected cultivation technology													0
Formation and Management of SHGs													0
Group Dynamics and farmers organization													0
Information networking among farmers													0
Capacity building for ICT application													0
Care and maintenance of farm machinery and implements													0
WTO and IPR issues													0
Management in farm animals													0
Livestock feed and fodder production													0
Household food security													0
Women and Child care													0
Low cost and nutrient efficient diet designing													0
Production and use of organic inputs													0
Gender mainstreaming through SHGs													0
Any other (Pl. Specify)													0
TOTAL	0	0	0	0	0	0	0	1	0	0	1	0	2
Grand Total	4	3	2	5	4	2	5	5	4	5	8	2	49

A.3 Vocational Training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	No. of Course	Dura-tion (days)	No. of Participants	Type of participant
Vegetable	Value addition in vegetable	Packaging & Preservation of vegetables	2	3	20	RY
Fruit	Value addition in fruits	Preparation of Jam - Jelly & pickles	2	3	20	RY
Fisheries	Income generation	Ornamental fisheries	2	3	30	RY

A.4 Training for Extension personnel

Sr. No.	Title of Training	No. of courses	Duration (days)	No. of participants	Type of participant
1	Pre-seasonal training on <i>khari</i> f crops	1	2	25	Ext.workers
2	Pre-seasonal training on Rabi crops	1	2	25	Ext.workers
3	Integrated pest management in cotton	1	2	25	Ext.workers
4.	Training on pulses production	1	2	25	Ext.workers

2. DEMONSTRATIONS

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)	
					Proposed	Total
FLD						
1	Groundnut (GG-5)	IDM	IDM, Variety	<i>Khari</i> f	10	20
2	Mung (GM-4)	Varietal	Varietal	<i>Khari</i> f	5	10
3	Sesamum (Guj Til-2)	ICM	Variety, IDM	<i>Khari</i> f	10	20
4	Castor (GCH-6)	IDM	Variety	<i>Khari</i> f	10	20
5	Cotton (Bt. Cotton)	ICM	Full package	<i>Khari</i> f	20	40
6	Wheat (GW-366)	Varietal Evaluation	Variety	<i>Rabi</i>	20	40
7	Cumin (Guj.Cum.-4)	IDM	IDM	<i>Rabi</i>	10	20
8	Chick pea (Guj-2)	IDM/IPM	IPM, Variety	<i>Rabi</i>	10	20
Component Demonstration						
13	Groundnut	<i>Sclerotium rolfsii</i>	Trichoderma	<i>Khari</i> f	10	20
14	Cotton	Lepidopteran Pests	Pheromone trap	<i>Khari</i> f	10	20
15	Chick pea	Lepidopteran pests	Pheromone trap	<i>Rabi</i>	5	10
	Total				120	240

3. ON FARM TESTING

OFT – 1 :- Cotton

1) Title :- **MANAGEMENT OF MEALY BUG INFESTATION IN COTTON**

2) **Problem diagnose/ definition:-** Heavy infestation of mealybug is found, now a days Mealy bug becomes haddock in cotton.

- ❖ More number of host range
- ❖ Dispersion is very fast
- ❖ Mealy like powder covered on the body
- ❖ Leaving in gregarious phase
- ❖ Ability to laid eggs in pouch
- ❖ Eggs are hibernating in unfavorable condition
- ❖ Symbiotic relation with ants
- ❖ Low incidence of natural enemies
- ❖ High capacity of migration and climbing of crawlers.

3) **Details of technologies selected for assessment/ refinement**

Category	Source of technology	Technology detail		
Technology option 1	Farmer	T ₁	Farmer practices	Application of conventional insecticides after infestation on Mealy bug
Technology option 2	Main Oilseeds Res. Station, JAU, Junagadh	T ₂	Recommended practices	Pre-sowing application of Methyl parathion, Application of insecticides at the time of infestation
Technology option 3		T ₃	Refined practices	Pre-sowing application of Methyl parathion 2% Dust at 15 days interval, removal of host plants & vegetation from boundaries, application of newer insecticides/bio-pesticides (<i>Beauveria</i> spp. or <i>Verticillium</i> spp.)

4) Source of technology: Junagadh Agricultural University

5) Production system :-

Irrigated & rainfed condition having heavy infestation of mealy bug

Variety : B.t. cotton (Government approved variety)

Season : *Kharif*-2008, irrigated

Size of the plot : 0.40 ha.

6) Thematic area : IPM for suppression of Mealy bug

OFT – 2 :- Cotton :

1) Title :- JUDICIOUS USE OF FERTILIZER IN COTTON

2) Problem definition:

- ❖ Farmers are using phosphatic fertilizer as basal as well as top dressing.
- ❖ Plant needs more phosphorus at initial growth stage.
- ❖ Improper variety selection
- ❖ High labour charges
- ❖ Lack of proper practices knowledge
- ❖ Plant stand per hectare
- ❖ Monocropping
- ❖ Long duration crops
- ❖ Injudicious use of fertilizers
- ❖ Injudicious use of pesticides
- ❖ Lack of disease management
- ❖ Scheduling of irrigation

3) Details of technologies selected for assessment/ refinement

Treatment			Period of application	N (kg/ha)	P ₂ O ₅ (kg/ha)	K ₂ O (kg/ha)	Source
T ₁	Farmer practices	Farmer	Basal	22.5	57.5	0	DAP
			Split-1(30 DAS)	57.5	0	0	Urea
			Split-2 (45 DAS)	57.5	0	0	Urea
			Split-3 (60 DAS)	80	57.5	0	Urea+DAP
			Split-4 (75 DAS)	57.5	0	0	Urea
			Total	275	115	0	
T ₂	Recommended practices	Cotton Res. Station, JAU, Junagadh	Basal	40	0	0	AS
			Split-1(30 DAS)	40	0	0	Urea
			Split-2 (45 DAS)	40	0	0	Urea
			Split-3 (60 DAS)	40	0	0	Urea
			Total	160	0	0	
T ₃	Refined practices – I		Basal	40	60	60	AS + MOP
			Split-1(30 DAS)	40	0	0	Urea
			Split-2 (45 DAS)	40	0	0	Urea
			Split-3 (60 DAS)	40	0	0	Urea
			Total	160	60	60	
T ₄	Refined practices – II		Basal	40	60	60	AS + MOP
			Split-1(30 DAS)	40	0	20	AS + MOP
			Split-2 (45 DAS)	40	0	20	AS + MOP
			Split-3 (60 DAS)	40	0	20	AS + MOP
			Total	160	60	120	

N.B.:- T₁, T₂, T₃ & T₄ are technology options 1, 2, 3 & 4 respectively.

4) Source of Technology :- Junagadh Agricultural University

5) Production system and thematic area : Application of DAP

Variety : Mallika {B.t. cotton (Government approved variety)}

Season : *Kharif*-2008

Size of the plot : 0.40 ha.

6) Thematic area : Unjudicious use of chemical fertilizers in cotton production

OFT – 3:- Oilseeds (Groundnut) :

1) Title :- Biological control of *Sclerotium rolfsii* (stem rot) in groundnut

2) Problem definition :

- ❖ Reduction in plant population/ unit area due to disease at initial stage
- ❖ Poor quality of pod as well as straw
- ❖ Pods detached from the plant and remains in the soil
- ❖ Lack of knowledge about the proper method and time of application
- ❖ Set furrow sowing system
- ❖ Soil bunding enhance the disease intensity
- ❖ Lack of summer deep ploughing
- ❖ Lack of crop rotation

3) Details of technologies for assessment/ refinement

Category	Source of technology	Technology details	
Technology option 1	Farmer	T ₁	Farmers practice (Control)
Technology option 2	Main Oilseeds Res. Station, JAU, Junagadh	T ₂	<i>Trichoderma harzeanum</i> @ 2.5 kg/ha with castor cake @ 500kg/ha at the time of sowing
Technology option 3		T ₃	Castor cake @ 500 kg/ha, Drenching of <i>Trichoderma harzeanum</i> @2.5 kg/ha at 30 & 45 DAG

4) Source of Technology:- Junagadh Agricultural University

5) Production system

Variety: GG-20

Season: *Kharif*- 2008

Size of plot : 0.40 ha

5) Production system and thematic area : Management of stem rot in groundnut

6) Thematic area : Management of stem rot in groundnut

OFT – 4:-

1) Title :- Management of anemia in adolescent girls

2) Problem definition :

- ❖ Deficiency of iron/ Hemoglobin
- ❖ Imbalance dietary pattern

3) Details of technologies for assessment/ refinement

Category	Source of technology	Technology details	
Technology option 1		T ₁	Control :- existing dietary pattern

Technology option 2	WHO	T ₂	Iron rich nutritional diet (sprouted Bengal gram 50 gm/day per individual in 2 equal doses) with existing dietary pattern
Technology option 3		T ₃	Iron rich nutritional diet (sprouted Bengal gram 50 gm/day per individual in 2 equal doses + 25 gm of jaggery) with existing dietary pattern

4) Source of Technology:- WHO

5) Production system

No. of adolescent girls : 10

Select adolescent girls from farmers family.

4. EXTENSION ACTIVITIES

Nature of Extension Programme	No. of Programmes	
Field Day	25	
Kisan Mela		
Kisan Ghosthi	10	
Exhibition		
Film Show		
Method Demonstrations	2	1
Farmers Seminar	30	
Workshop		
Group meetings	15	5
Lectures delivered as resource persons	60	4
Newspaper coverage		
Radio talks	2	2
TV talks	2	2
Popular articles		
Extension Literature	5	5
Advisory Services		
Scientific visit to farmers field		
Farmers visit to KVK		
Diagnostic visits		
Exposure visits		
Ex-trainees Sammelan		
Soil health Camp		

Animal Health Camp		
Agri mobile clinic		
Soil test campaigns		
Farm Science Club Conveners meet		
Self Help Group Conveners meetings	5	
Mahila Mandals Conveners meetings	5	
Celebration of important days (specify)		
Female groups	5	
Any Other (Specify)		
Total	166	19

N.B. Above full fledge activities can be performed only after recruiting the staff as per discipline required.