# ACTION PLAN: OCTOBER 2011- March 2012

# **KVK: TINSUKIA**

### PART – I (GENERAL INFORMATION)

1. General information about the KVK

Name and address of KVK with Phone, Fax and E-mail\*

Complete postal address with Pin Code	Telephone	Fax	E mail
Krishi Vigyan Kendra Gellapukhuri Road Tinsukia-786125	0374 2300768	0374 2300768	kvktinsukia@gmail.com

Name and address of host organization with Phone, Fax and E-mail\*

Complete postal address with Pin Code	Telephone	Fax	E mail
Assam Agricultural University Jorhat-785013, Assam	0376 2340013	0376 2340001	vc@aau.ac.in

Name of the Programme Coordinator with Landline & Mobile No\*

Name of PC	Contacts			
	Residence	Mobile	E mail	
Dr. A. C. Sarmah	NA	9435523760	amalchandra_sarmah@yahoo.co.in	

\* = Mandatory and to be provided without fail.

Year of sanction of KVK: 2004

Scientific Staff Position\* (As on 1<sup>st</sup> March, 2011)

No.	Sanctioned posts	Name of the incumbent	Designation	Discipline	Date of joining	Permanent /Temporary
1	Programme Coordinator	Dr. A. C. Sarmah	Programme Coordinator	Soil Science	15-12-08	Permanent
2	Subject Matter Subject	Mrs. Binita Hazarika	Subject Matter Subject	Horticulture	6.11.08	Permanent
3	Subject Matter Subject	Dr. Arfan .Ali	Subject Matter Subject	Animal Science	7.11.08	Permanent
4	Subject Matter Subject	Mr. R. K. Nath	Subject Matter Subject	Entomology	8.11.08	Permanent
5	Subject Matter Subject	Mr. P. Handique	Subject Matter Subject	Agril Extension	8.11.08	Permanent
6	Subject Matter Subject	Mr. Perves Ahmed	Subject Matter Subject	Agronomy	10.11.08	Permanent
7	Subject Matter Subject	Mrs. Moloya Gogoi	Subject Matter Subject	Home Science	28.11.08	Permanent
8	Programme Assistant (Computer)	Mr. Aditya Rajkhowa	Computer Programmer	Computer	11.11.08	Permanent
9	Farm Manager	Mr. Pranab Das	Farm Manager	Agril Extension	09.01.09	Permanent
10	Programme Assistant	Dr. (Mrs) Gitanjali Devi	Programme Assistant	Nematology	09.03.09	Permanent

\* = The scientific staff position should reflect in the quantity and quality of all programmes proposed by KVK in the action plan

# Total land with KVK (in ha):

No.	Item	Area (ha)
1	Under building	NA
2	Under Demonstration unit	0.34
3	Under Crops	2.0
4	Orchards/Agro forestry	
5	Others	8.0

# SAC meetings proposed for the year:

No.	Proposed Date/Month	Expected Participants	Salient Action Points
1	12-01-2012	30	<ol> <li>Discussion on progress report of KVK</li> <li>Discussion on training programmes</li> <li>FLD and OFT to be conducted</li> </ol>

Details of district (2010-11)

No

Major farming systems existing in the district\* (based on the study made by the KVK)

Farming systems identified

1	Agriculture-Horticulture
2	Agriculture-Horticulture-Fishery
3	Agriculture-Horticulture-Animal Husbandry
4	Agriculture-Horticulture-Silviculture
5	Horticulture-Plantation crop

\* = the programmes proposed by KVK should be matching with the identified farming systems

Description of Agro-climatic Zone (based on soil and topography)

No	Agro-climatic Zone	Characteristics
1	Upper Brahmaputra Valley Zone	Rice is the most important agricultural crops of the zone. The zone compromises 80% of the tea growing areas of the state. Tea is growing mostly upland situation having good drainage. Rape and mustard, sugarcane and pulse are other important crop of the state. The zone has high proportion of area under forest (30%). The cropping intensity is 127%. Sugarcane is an important crop in Golaghat, Jorhat, Sibsagar districts. Tinsukia and Dibrugarh districts account for most of the mandarin oranges presently grown in the state. Although, mono cropping of rice is the dominant farming system but there is ample scope for raising multiple crops. Livestock raising is very commonly practiced in this zone.

# Description of major agro ecological situations (based on soil and topography)

No	Agro ecological situation	Characteristics
1	Agro – Ecological Situation-I	Characterized by Humid Flood prone area constituting 7.26% of the geographical area of the district
2	Agro – Ecological Situation-II	Characterized by Humid Flood free area constituting 20.82% of the geographical area of the district
3	Agro – Ecological Situation-III	Characterized by Sub-Humid Alluvial Flood area constituting 16.96% of the geographical area of the district

No	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1		Kakopother	No. of villages-264	Paddy, vegetables, fruits, pulses, forest products, livestock, fish, plantation crop etc.	<ul> <li>Gap in yield of crops like paddy, mustard, black gram, pea, potato etc.</li> <li>Lack of suitable late sown rice varieties under</li> </ul>	Agriculture, Horticulture, livestock and fishery
2		Saikhowa	No. of villages-117	Paddy, vegetables, fruits, pulses, forest products, plantation crops, livestock, fish, cocoon, pupa, etc	<ul> <li>occasionally flood affected area</li> <li>Low profitability from agril crops due to rise in production cost, unorganized marketing and lack of minimum</li> </ul>	Agriculture, Horticulture, livestock, sericulture and fishery
3		Hapjan	No. of villages-182	Paddy, vegetables, fruits, pulses, plantation crop, forest products, livestock, fish, etc.	<ul> <li>Gap in yield of</li> <li>Gap in yield of</li> <li>vegetables crops due to lack of</li> <li>knowledge and skills in nutrient</li> <li>management , non-adoption of</li> <li>IPM, low use of organic manures</li> </ul>	Agriculture, Horticulture, livestock, Sericulture and fishery
4		ltakhuli	No. of villages-73	Paddy, vegetables. Fruits, pulses. Forest products, livestock, fish, etc.	<ul> <li>Low yield in spices due to lack of knowledge in improved technology, non replacement of seed materials, non adoption of</li> </ul>	Agriculture, Horticulture, livestock and fishery
5		Guijan	No. of villages-77	Paddy, vegetables. Fruits, pulses. Forest products, livestock, fish, etc.	<ul> <li>INM practices</li> <li>Poor productivity of fruit crops due to inadequate care and maintenance of crops</li> </ul>	Agriculture, Horticulture, livestock and fishery
6		Margherita	No. of villages-228	Paddy, vegetables, fruits, pulses, forest products, livestock, fish, cocoon, pupa etc.	<ul> <li>Technological gap of fish production technology</li> <li>Low productivity of milch cattle, problems in pig</li> </ul>	Agriculture, Horticulture, livestock and fishery
7		Sadiya	No. of villages-120	Paddy, vegetables, fruits, pulses, forest products, livestock, fish, etc	<ul> <li>rearing, poultry etc</li> <li>Low expansion of Sericultural activity, problem is due to pesticidal effects on eri, muga and silk worm.</li> </ul>	Agriculture, Horticulture, livestock and fishery

Priority thrust areas (prioritized in sync with thrust areas identified and given above	Priority thrust areas	(prioritized in sy	ync with thrust area	as identified and	given above)
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Rank	Thrust area				
1	Sustainable agriculture through				
	<ul> <li>Introduction of suitable high yielding varieties for different crops under different situations.</li> </ul>				
	• Use of integrated pest management (IPM), integrated weed management (IWM), integrated nutrient management (INM), biotechnology and water management (WM)				
	<ul> <li>Integrated farming system approach keeping in view the ecological balance</li> </ul>				
2	Development of horticulture through				
	Rejuvenation of declining citrus orchards				
	Establishment of nursery for quality planting materials				
	Extension of existing vegetable/ plantation areas				
	Exploration of floriculture				
	Promoting post harvest technology and value addition of different agri-horti- livestock produces				
3	Improved production technology of tea for small tea growers				
4	Development of animal husbandry through				
	Breed up gradation of indigenous livestock and poultry (selective breeding etc)				
	Scientific methods of rearing Milch cattle, Buffalo, Pig and Goat.				
	Improved fodder production				
5	Nutritional care during different physiological stages.				
	Child care and immunization.				
	Low cost nutrient recipes				
6	Entrepreneurship development through SHG				

# 2. Technical activities proposed

# Abstract of interventions to be undertaken during April 2011-March 2012(Target)

			en during April 2011-Ma			Intervention	s (if any)		
No	Thrust area	Crop/ Enterprise	Identified Problem	Title of OFT	Title of FLD	Title of Training	Title of training for extension personnel	Extension activities	Supply of seeds, planting materials
1	Crop production	Boro Rice	Low yield		Popularization of boro rice variety Kanaklata			Field day and training	Seeds, fertilizer
2	Crop production	Toria	Late sown		Popularization of late sown toria variety TS- 46			Field day and training	Seeds, fertilizer
3	Crop production	Pea	Low acerage		Popularization of pulse cultivation			Field day and training	Seeds, fertilizer
4	Crop production	Toria	Non availability of land for normal sowing under rice- toria sequence	Performance of late sown variety TS-67 under rainfed condition				Training	Seeds, fertilizers
5	Crop Production	Mustard.	Non availability of HY white mustard	Performance of white mustard (Var- Binoy) under rainfed condition				Training	Seeds, fertilizers
6	Biocontrol of pest and diseases	Rice	Low yield due to stem borer infestation	Biological control of rice stem borer				Training and Method demonstration	Bio-agent
7	Spice production	Turmeric	Low curcumin content	Cultivation of Turmeric variety Megha turmeric				Method demonstration Field day	Seed Fertilizer
8	Biocontrol of pest and diseases	Ginger	Low yield due to rhizome rot	Rhizome rot management in Ginger using Biofor-PF				Training	Seeds, fertilizers and bio agents
9	Vegetable production	Pointed gourd	Low yield		FLD on pointed gourd			Training Field day	Cuttings
10	Vegetable production	Brinjal	Low yield	Cultivation of Brinjal variety Megha Brinjal 1				Training	Seeds, fertilizers
11	Chemical control of citrus trunk borer	Khasi mandarin	Trunk borer infestation		Management of Citrus trunk borer			Training Field day	Chemicals and man power
12	Nutritional supplement to dairy cows	Dairy	Nutritional deficiency	Supplementation of mineral mixture to dairy cows for increasing milk yield and				Training	Mineral Mixture

		Cront				Intervention	s (if any)		
No	Thrust area	Crop/ Enterprise	Identified Problem	reproductive performance					
13	Backyard poultry rearing	Vanaraja poultry chicks	Low yield of local poultry	Introduction of improved poultry for backyard rearing				Training and demonstration	Chicks, feed and medicine
14	Fodder cultivation	Fodder	Low acreage		Popularization of Fodder cultivation			Training	Planting material
15	Drudgery reduction	Paddy	Storage loss and drudgery		Drudgery reduction and minimization of storage loss through use of improved duli			Training and Method Demonstration	Improvised Duli
16	Crop production	Rice	Lack of suitable varieties under post flood situation		Popularization of rice variety Luit/ Disang under post flood situation			Field day and training	Seeds, fertilizer

Details of On Farm Trials to be undertaken during 2011-12 (Target)

Crop/ enterprise	Farming situation	Problem Diagnosed	Title of OFT	Assessment/ Refinement (WRITE A / R)	No. of trials*
1	2	3	4	5	6
Toria	Rainfed Upland	Non availability of land for normal sowing under rice- toria sequence	Performance of late sown variety TS-67 under rainfed condition	А	5
Mustard	Rainfed Upland	Non availability of HY white mustard	Performance of white mustard (Var- Binoy) under rainfed condition	A	5
Rice	Rainfed Low land	Low yield of Sali rice due to stem borer infestation.	Biological control of rice stem borer	A	5
Spice crops (Turmeric)	Rainfed Upland	Low curcumin content	Performance of Megha turmeric variety	А	5
Ginger	Rainfed upland	Low yield due to rhizome rot	Rhizome rot management in Ginger using Biofor-PF	A	5
Brinjal	Rainfed upland	Low yield	Cultivation of Brinjal variety Megha Brinjal 1	А	5
Dairy		Nutritional deficiency	Supplementation of mineral mixture to dairy cows for increasing milk yield and reproductive performance	A	5
Poultry		Low yield of local poultry	Introduction of improved poultry for backyard rearing	А	5

No. of farmers

Technology assessed/refined	Year of release of technology	Whether the technology is latest one available? (Y/N)*	If NO, then reason for using the old technology for OFT (in detail)	Parameters of assessment
6				7
А	2005	Y	NA	Growth and yield attributes, yield, B:C ratio,
А		Y	NA	Growth and yield attributes, yield, B:C ratio,
А	2003	Y	NA	% pest infestation, Yield, Benefit cost ratio
А	Under pipeline	Y	NA	Growth and yield attributes, Yield, Benefit cost ratio
Α		Y	NA	% Disease infestation, Yield, Benefit cost ratio
А	Under pipeline	Y	NA	Growth and yield attributes, Yield, Benefit cost ratio
А	2005	Y	NA	Milk production and reproductive performance
А		Y	NA	Body weight, egg production, mortality rate

• = The technology should be less than 5 years old.

# Frontline Demonstrations

Follow-up for results of FLDs implemented during previous years

List of technologies demonstrated during previous year and popularized during 2011-12 and recommended for large scale adoption in the district

	Thematic		Details of popularization methods	Horizonta	spread of technological	ogy
No	Area*	Technology demonstrated	suggested to the Extension system	No. of villages	No. of farmers	Area in ha
1		Black gram (Var- KU-301)	Timely supply of seeds & fertilizers	1	1	1

Crop	Sesamum (Var- ST-1683)	Timely supply of seeds & fertilizers	1	3	1
production	Toria Variety TS-36	Timely supply of seeds & fertilizers at	1	10	5
		subsidized rate			
	Pea (Var- Azad P-1)	Timely supply of seeds at subsidized rate	1	5	3
Vegetable production	Pointed gourd (Var- Tezpuria Local)	Timely supply of planting materials & fertilizers	1	5	0.5

\* Thematic areas as given in Table on Training

Details of FLDs to be implemented during 2011-12(Information is to be furnished in the following three tables for each category i.e. cereals, horticultural crops, oilseeds, pulses, cotton and commercial crops.)

### A. Cereal Crops

					Whether the	If not, how the	Area (ha)	No. of fa	rmers/demo	nstration
N3o.	Crop	Thematic area	Technology Demonstrated	Season and year	technology assessed/refined by KVK earlier (Y/N)?	technology was proven as suitable for FLD in the district?	Proposed	SC/ST	Others	Total
1	Boro Rice	Crop production	Popularization of boro rice variety Kanaklata	Rabi 2011-11	Y		1	2	6	8

# B. Oilseed crops

					Whether the	If not, how the	Area (ha)	No. of fa	rmers/demo	nstration
N	Crop	Thematic	Technology	Season and	technology	technology was	Proposed	SC/ST	Others	Total
		area	Demonstrated	year	assessed/refined by	proven as suitable for				
					KVK earlier (Y/N)?	FLD in the district?				
1	Toria	Crop production	Toria variety TS-46	Rabi, 2011-12	Y	NA	5	5	20	25

# C. Pulse Crops

					Whether the	If not, how the	Area (ha)	No. of fa	rmers/demo	nstration
No.	Crop	Thematic area	Technology Demonstrated	Season and year	technology assessed/refined by KVK earlier (Y/N)?	technology was proven as suitable for FLD in the district?	Proposed	SC/ST	Others	Total
1	Pea	Crop intensification/ diversification	Improved Variety	Kharif-Rabi 2011-12	Y	NA	5	6	24	30
2										

## D. Horticultural Crops

	No.	Crop	Thematic area					Area (ha)	No. of farmers/demonstration
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			Technology Demonstrated	Season and year	Whether the technology assessed/refined by KVK earlier (Y/N)?	If not, how the technology was proven as suitable for FLD in the district?	Proposed	SC/ST	Others	Total
1	Pointed gourd	Vegetable production	Variety	Kharif/ Rabi 2011-12	Y		1		5	5
2	Khasi mandarin	Plant protection	Management of Citrus trunk borer	Kharif/ Rabi 2011-12	Y		1		5	5

# Extension and Training activities proposed under FLD

No.	Activity	No. of activities	Tentative Date	Number of participants	Remarks
1	Training	5		125	
2	Method demonstration	3		90	
3	Field Day	6		200	
4	Media coverage	7			

### (i) Farm Implements:

No.	Crop	Thematic area	Name of the implement	Season and year	Whether the technology assessed/refined by KVK earlier (Y/N)?	If not, how the technology was proven as suitable for the district?	Area (ha) Proposed	No. of fa SC/ST	rmers/demo Others	nstration Total
1	Rice	Drudgery reduction	Duli	Rabi/Kharif 2011-12	Y				3	3

# (ii) Livestock Enterprises:

Enterprises	Breed	No. of farmers	No. of animals, poultry birds etc.	Performance parameters / indicators	* Data on paramet to technology de Demon.	% change in the parameter	Remarks
Dairy	Cattle/ buffalo	6	Livestock	Yield of fodder, Milk production			

\* Milk production, meat production, egg production, reduction in disease incidence etc.

# (iii) Other Enterprises:

Enterprise	Variety/ breed/Species/others	No. of farmers	No. of Units	Data on parameter in relation to technology parameters / indicators         Data on parameter in relation to technology demonstrated         % change in the parameter           Demon.         Local check         %		relation to technology demonstrated		Remarks
Mushroom								
Apiary								
Sericulture								
Vermi-compost								

## PART – III (TRAINING PROGRAMMES) 3. Details of proposed training programmes (Including the sponsored and FLD training programmes Note: The proportion of SC and ST participants for all training programmes should match with their proportion in the population of the KVK district.

# On Campus

	Courses					No. o	f partici	oants			
Thematic area	Courses		Others			SC			ST		Grand Total
	(No)	Male	Female	Total	Male	Female	Total	Male	Female	Total	Grand Total
(A) Farmers & Farm Women											
I Crop Production											
Weed Management											
Nutrient Management											
Resource Conservation Technologies											
Cropping Systems											
Crop Diversification											
Integrated Farming systems											
Water management											

Seed production									
Nursery management				1					
Integrated Crop Management				<u> </u>					
Fodder production				1					
Production of organic inputs									
Il Horticulture									
a) Vegetable Crops	 	 		ļ					
Production of low volume and high value crops	 	 							
Off-season vegetables		 							
Nursery raising	 	 							
Exotic vegetables production		 							
Production of export potential vegetables	 								
Grading and standardization	 								
Protective cultivation (Green Houses, Shade Net etc.)	 								
b) Fruits	 								
Training	 		ļ		ļ				
Pruning			ļ		ļ				
Layout and Management of Orchards		 							
Cultivation of Fruit crops		 							
Management of young plants/orchards		 							
Rejuvenation of old orchards				ļ					
Cultivation of export potential fruits				ļ					
Micro irrigation systems of orchards									
Plant propagation techniques									
c) Ornamental Plants									
Nursery Management									
Management of potted plants									
Production of export potential ornamental plants									
Propagation techniques of Ornamental Plants									
d) Plantation crops									
Production and Management technology									
Processing and value addition									
e) Tuber crops									
Production and Management technology									
Processing and value addition									
f) Spices									
Production and Management technology									
Processing and value addition									
g) Medicinal and Aromatic Plants									
Nursery management									
Production and management technology									
Post harvest technology and value addition									
III Soil Health and Fertility Management						1			
Soil fertility management									
Soil and Water Conservation									
Integrated Nutrient Management			1						
Production and use of organic inputs			1	1					

Management of Problematic soils											
Micro nutrient deficiency in crops										1	
Nutrient Use Efficiency				İ						İ	
Soil and Water Testing				İ					1	İ	
IV Livestock Production and Management									1		
Dairy Management											
Poultry Management											
Piggery Management											
Rabbit Management											
Disease Management											
Feed management											
Production of quality animal products											
V Home Science/Women empowerment											
Household food security by nutrition gardening											
Design and development of low/minimum cost diet											
Designing and development for high nutrient efficiency diet											
Minimization of nutrient loss in processing											
Gender mainstreaming through SHGs											
Storage loss minimization techniques											
Value addition											
Income generation activities for empowerment of rural Women	2	0	35	35	0	10	10	0	5	5	50
Location specific drudgery reduction technologies				00	- U	10	10				
Rural Crafts											
Women and child care		+									
	2	0	35	35	0	10	10	0	5	5	50
Total	2	0	35	35	0	10	10	0	5	5	50
Total VI Agricultural Engineering	2	0	35	35	0	10	10	0	5	5	50
Total           VI Agricultural Engineering           Installation and maintenance of micro irrigation systems	2	0	35	35	0	10	10	0	5	5	50
Total           VI Agricultural Engineering           Installation and maintenance of micro irrigation systems           Use of Plastics in farming practices	2	0	35	35	0	10	10	0	5	5	50
Total         VI Agricultural Engineering         Installation and maintenance of micro irrigation systems         Use of Plastics in farming practices         Production of small tools and implements	2	0	35	35	0	10	10	0	5	5	50
Total         VI Agricultural Engineering         Installation and maintenance of micro irrigation systems         Use of Plastics in farming practices         Production of small tools and implements         Repair and maintenance of farm machinery and implements	2	0	35	35	0	10	10	0	5	5	50
Total         VI Agricultural Engineering         Installation and maintenance of micro irrigation systems         Use of Plastics in farming practices         Production of small tools and implements         Repair and maintenance of farm machinery and implements         Small scale processing and value addition	2	0	35	35	0	10	10	0	5	5	50
Total         VI Agricultural Engineering         Installation and maintenance of micro irrigation systems         Use of Plastics in farming practices         Production of small tools and implements         Repair and maintenance of farm machinery and implements         Small scale processing and value addition         Post Harvest Technologies	2		35	35		10	10	0	5	5	50
Total         VI Agricultural Engineering         Installation and maintenance of micro irrigation systems         Use of Plastics in farming practices         Production of small tools and implements         Repair and maintenance of farm machinery and implements         Small scale processing and value addition         Post Harvest Technologies         VII Plant Protection	2	0	35	35		10	10	0	5	5	50
Total         VI Agricultural Engineering         Installation and maintenance of micro irrigation systems         Use of Plastics in farming practices         Production of small tools and implements         Repair and maintenance of farm machinery and implements         Small scale processing and value addition         Post Harvest Technologies         VII Plant Protection         Integrated Pest Management	2	0	35	35		10	10	0	5	5	50
Total         VI Agricultural Engineering         Installation and maintenance of micro irrigation systems         Use of Plastics in farming practices         Production of small tools and implements         Repair and maintenance of farm machinery and implements         Small scale processing and value addition         Post Harvest Technologies         VII Plant Protection         Integrated Pest Management         Disease Management	2	0	35	35	0	10	10	0	5	5	50
Total         VI Agricultural Engineering         Installation and maintenance of micro irrigation systems         Use of Plastics in farming practices         Production of small tools and implements         Repair and maintenance of farm machinery and implements         Small scale processing and value addition         Post Harvest Technologies         VII Plant Protection         Integrated Pest Management         Disease Management         Bio-control of pests and diseases	2	0	35	35	0	10	10	0	5	5	50
Total         VI Agricultural Engineering         Installation and maintenance of micro irrigation systems         Use of Plastics in farming practices         Production of small tools and implements         Repair and maintenance of farm machinery and implements         Small scale processing and value addition         Post Harvest Technologies         VII Plant Protection         Integrated Pest Management         Disease Management         Bio-control of pests and diseases         Production of bio control agents and bio pesticides	2		35	35			10		5	5	50
Total         VI Agricultural Engineering         Installation and maintenance of micro irrigation systems         Use of Plastics in farming practices         Production of small tools and implements         Repair and maintenance of farm machinery and implements         Small scale processing and value addition         Post Harvest Technologies         VII Plant Protection         Integrated Pest Management         Disease Management         Bio-control of pests and diseases         Production of bio control agents and bio pesticides         VIII Fisheries			35	35					5	5	50
Total         VI Agricultural Engineering         Installation and maintenance of micro irrigation systems         Use of Plastics in farming practices         Production of small tools and implements         Repair and maintenance of farm machinery and implements         Small scale processing and value addition         Post Harvest Technologies         VII Plant Protection         Integrated Pest Management         Disease Management         Bio-control of pests and diseases         Production of bio control agents and bio pesticides         VIII Fisheries         Integrated fish farming			35	35					5	5	50
Total         VI Agricultural Engineering         Installation and maintenance of micro irrigation systems         Use of Plastics in farming practices         Production of small tools and implements         Repair and maintenance of farm machinery and implements         Small scale processing and value addition         Post Harvest Technologies         VII Plant Protection         Integrated Pest Management         Disease Management         Bio-control of pests and diseases         Production of bio control agents and bio pesticides         VIII Fisheries         Integrated fish farming         Carp breeding and hatchery management			35	35					5	5	50
Total         VI Agricultural Engineering         Installation and maintenance of micro irrigation systems         Use of Plastics in farming practices         Production of small tools and implements         Repair and maintenance of farm machinery and implements         Small scale processing and value addition         Post Harvest Technologies         VII Plant Protection         Integrated Pest Management         Disease Management         Bio-control of pests and diseases         Production of bio control agents and bio pesticides         VIII Fisheries         Integrated fish farming         Carp breeding and hatchery management         Carp fry and fingerling rearing			35	35					5	5	50
Total         VI Agricultural Engineering         Installation and maintenance of micro irrigation systems         Use of Plastics in farming practices         Production of small tools and implements         Repair and maintenance of farm machinery and implements         Small scale processing and value addition         Post Harvest Technologies         VII Plant Protection         Integrated Pest Management         Disease Management         Bio-control of pests and diseases         Production of bio control agents and bio pesticides         VIII Fisheries         Integrated fish farming         Carp breeding and hatchery management         Carp fry and fingerling rearing         Composite fish culture			35	35					5	5	
Total         VI Agricultural Engineering         Installation and maintenance of micro irrigation systems         Use of Plastics in farming practices         Production of small tools and implements         Repair and maintenance of farm machinery and implements         Small scale processing and value addition         Post Harvest Technologies         VII Plant Protection         Integrated Pest Management         Disease Management         Bio-control of pests and diseases         Production of bio control agents and bio pesticides         VII Fisheries         Integrated fish farming         Carp breeding and hatchery management         Carp fry and fingerling rearing         Composite fish culture         Hatchery management and culture of freshwater prawn			35	35					5	5	
Total         VI Agricultural Engineering         Installation and maintenance of micro irrigation systems         Use of Plastics in farming practices         Production of small tools and implements         Repair and maintenance of farm machinery and implements         Small scale processing and value addition         Post Harvest Technologies         VII Plant Protection         Integrated Pest Management         Disease Management         Bio-control of pests and diseases         Production of bio control agents and bio pesticides         VIII Fisheries         Integrated fish farming         Carp breeding and hatchery management         Composite fish culture         Hatchery management and culture of freshwater prawn			35	35					5	5	
Total         VI Agricultural Engineering         Installation and maintenance of micro irrigation systems         Use of Plastics in farming practices         Production of small tools and implements         Repair and maintenance of farm machinery and implements         Small scale processing and value addition         Post Harvest Technologies         VII Plant Protection         Integrated Pest Management         Disease Management         Bio-control of pests and diseases         Production of bio control agents and bio pesticides         VIII Fisheries         Integrated fish farming         Carp breeding and hatchery management         Composite fish culture         Hatchery management and culture of freshwater prawn         Breeding and culture of ornamental fishes         Portable plastic carp hatchery			35	35					5	5	
Total         VI Agricultural Engineering         Installation and maintenance of micro irrigation systems         Use of Plastics in farming practices         Production of small tools and implements         Repair and maintenance of farm machinery and implements         Small scale processing and value addition         Post Harvest Technologies         VII Plant Protection         Integrated Pest Management         Disease Management         Bio-control of pests and diseases         Production of bio control agents and bio pesticides         VIII Fisheries         Integrated fish farming         Carp breeding and hatchery management         Carp fry and fingerling rearing         Composite fish culture         Hatchery management and culture of freshwater prawn         Breeding and culture of ornamental fishes         Portable plastic carp hatchery         Pen culture of fish and prawn			35	35					5		
Total         VI Agricultural Engineering         Installation and maintenance of micro irrigation systems         Use of Plastics in farming practices         Production of small tools and implements         Repair and maintenance of farm machinery and implements         Small scale processing and value addition         Post Harvest Technologies         VII Plant Protection         Integrated Pest Management         Disease Management         Bio-control of pests and diseases         Production of bio control agents and bio pesticides         VIII Fisheries         Integrated fish farming         Carp breeding and hatchery management         Composite fish culture         Hatchery management and culture of freshwater prawn         Breeding and culture of ornamental fishes         Portable plastic carp hatchery			35	35					5	5	

	1	1		1		1				1	
Pearl culture						ļ					
Fish processing and value addition											
IX Production of Inputs at site											
Seed Production											
Planting material production											
Bio-agents production											
Bio-pesticides production											
Bio-fertilizer production											
Vermicompost production											
Other Organic manures production											
Production of fry and fingerlings											
Production of Bee-colonies and wax sheets											
Small tools and implements											
Production of livestock feed and fodder											
Production of Fish feed											
X Capacity Building and Group Dynamics											
Leadership development in villages											
Managing Group dynamics											
Formation and Management of SHGs											
Mobilization of social capital in villages			1						l .		
Entrepreneurial development of farmers/youths			1			1					
WTO and IPR issues			1			1			1		
XI Agro-forestry											
Production technologies											
Nursery management											
Integrated Farming Systems						1					
XII Others (PI. Specify)			1			1					
TOTAL					1						
(B) RURAL YOUTH					1					1	
Mushroom Production					1					1	
Bee-keeping										1	
Integrated farming											
Seed production											
Production of organic inputs		1								1	
Planting material production										1	
Vermiculture											
Sericulture											
Protected cultivation of vegetable crops											
Commercial fruit production											
Repair and maintenance of farm machinery and implements											
Nursery Management of Horticulture crops											
Training and pruning of orchards											
Value addition					1						
Production of quality animal products					1						
Dairying											
Sheep and goat rearing											
Quail farming											
Piggery											
	L	1	L		1	1				L	I]

Poultry productionImage of the second se							
Immental fisheriesImage Para extension workersImage	Rabbit farming						
raining as Para vets (Constraints) (Constrai	Poultry production						
raining as Para extension workers Composite fish culture reshwater prawn reshwater prawn reshw	Ornamental fisheries						
Domposite fish cultureImage: state of the sta	Training as Para vets						
irestwater prawn cultureImage: Constraint of the second secon	Training as Para extension workers						
irestwater prawn cultureImage: Constraint of the second secon	Composite fish culture						
ry and fingerling rearingImage of the set	Freshwater prawn culture						
imal scale processingImage in the scale in th	Fish harvest and processing technology						
imal scale processingImage in the scale in th	Fry and fingerling rearing						
alloring and StitchingImage: stitchingImage: stitchingImage: stitchingImage: stitchingAural CraftsImage: stitchingImage: stitchingImage: stitchingImage: stitchingImage: stitchingOTALImage: stitchingImage: stitchingImage: stitchingImage: stitchingImage: stitchingImage: stitchingOTALImage: stitchingImage: stitchingImage: stitchingImage: stitchingImage: stitchingImage: stitchingOt Cp Extension PersonnelImage: stitchingImage: stitchingImage: stitchingImage: stitchingImage: stitchingProductivity enhancement in field cropsImage: stitchingImage: stitchingImage: stitchingImage: stitchingImage: stitchingIntegrated Pest ManagementImage: stitchingImage: stitchingImage: stitchingImage: stitchingImage: stitchingImage: stitchingImage: stitchingIntegrated Nutrient management declarityImage: stitchingImage: stitchingImage: stitchingImage: stitchingImage: stitchingImage: stitchingIntegrated Nutrient management of SHGsImage: stitchingImage: stitchingImage: stitchingImage: stitchingImage: stitchingImage: stitchingImage: stitchingIntegrated Nutrient managementsImage: stitchingImage: stitchingImage: stitchingImage: stitchingImage: stitchingImage: stitchingImage: stitching StateImage: stitchingImage: stitchingImage: stitchingImage: stitchingImage: stitchingImage: stitching <t< td=""><td>Small scale processing</td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	Small scale processing						
Rural CraftsImage: Constraint of the second sec	Post Harvest Technology						
OTAL       Image: Constraint of the constrai	Tailoring and Stitching						
C) Extension Personnel       Image: Constraint of the constrai	Rural Crafts						
Productivity enhancement in field cropsImage and the grated Pest ManagementImage and the grated Pest ManagementImage and the grated Nutrient managementImage and the grated Nutrient ManagementImage and the grated Nutrient ManagementImage and the grated Nutrient ManagementImage and the grated Nutrient ManagementImage and the grated Nutrient ManagementImage and the grated Nutrient ManagementImage and the grated Nutrient ManagementImage and the grated Nutrient ManagementImage and the grated Nutrient ManagementImage and the grated Nutrient ManagementImage and the grated Nutrient ManagementImage and the grated Nutrient ManagementImage and the grated Nutrient ManagementImage and the grated Nutrient ManagementImage and the grated Nutrient ManagementImage and the grated Nutrient ManagementImage and the grated Nutrient ManagementImage and the grated Nutrient	TOTAL						
Integrated Pest ManagementImagementImagementImagementImagementImagementImagementRejuvenation of old orchardsImagementImage	(C) Extension Personnel						
Integrated Nutrient managementImagement </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
Rejuvenation of old orchardsImage: Constraint of SHGsImage: Constraint of	Integrated Pest Management						
Protected cultivation technology	Integrated Nutrient management						
Formation and Management of SHGsImage: Composition of SHGs <td>Rejuvenation of old orchards</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Rejuvenation of old orchards						
Broup Dynamics and farmers organizationsImage: Constraint of the securityImage:	Protected cultivation technology						
Information networking among farmers       Image: Compact of the security       Image: Compact of the security<							
Capacity building for ICT applicationImage: Capacity building for ICT applicationImage: Capacity building for ICT applicationImage: Capacity building for ICT applicationCare and maintenance of farm machinery and implementsImage: Capacity building for ICT applicationImage:	Group Dynamics and farmers organizations						
Care and maintenance of farm machinery and implements       Image: Care and maintenance of farm machinery and implements       Image: Care and Four Production	Information networking among farmers						
VTO and IPR issues       Image: Constraint of the security       Image: Constand of th	Capacity building for ICT application						
Anagement in farm animals       Image: Constraint of the second security       Image: Constraint of the security       Image: Consecurity       Image: Constraint of t	Care and maintenance of farm machinery and implements						
ivestock feed and fodder production     Image: Constraint of the security     Image: Constraint of the security     Image: Constraint of the security	WTO and IPR issues						
lousehold food security	Management in farm animals						
	Livestock feed and fodder production						
	Household food security						
	Women and Child care						
	Low cost and nutrient efficient diet designing						
otal	Total						

# Off Campus

	Courses					No. of	participa	ants			
Thematic area	Courses (No)		Others			SC			ST		Grand Total
		Male	Female	Total	Male	Female	Total	Male	Female	Total	Granu Totai
(A) Farmers & Farm Women											
I Crop Production											
Weed Management	2	30	-	30	5	-	5	10	5	15	50
Nutrient Management	2	35	-	35	10	-	10	5	-	5	50
Resource Conservation Technologies											
Cropping Systems											

15

Integrate Farming systems         1         2         10         12         10         3         13         -         -         -         2         25           Seed production         2         28         -         28         -         28         -         7         -         7         12         3         15         50           Integrated Crop Management         4         60         20         80         10         10         10         -         -         50           Fodder production         -         -         10         10         10         -         10         100 <th>Crop Diversification</th> <th>2</th> <th>32</th> <th>3</th> <th>35</th> <th>5</th> <th>5</th> <th>10</th> <th>2</th> <th>3</th> <th>5</th> <th>50</th>	Crop Diversification	2	32	3	35	5	5	10	2	3	5	50
Water management         D <thd< th="">         D         D</thd<>				-			-	-				
Seed production         2         28         -         28         7         -         7         12         3         15         50           Integrand Crop Management         4         60         20         80         10         -         10         10         -         10         100         -         50           Fodder production of organic inputs         1         -         10         100         -         10         100         -         10         100         -         100         100         -         100         100         -         100         100         -         100         100         -         100         100         -         100         100         -         100         100         -         100         100         -         100         100         100         -         100				10	12		<u> </u>		_			20
Nurse'ry management         2         28         5         30         10         10         20         -         -         56           Fodder production         4         60         20         80         10         -         10         10         100           Fodder production         60         20         80         10         -         10         10         100           Fodder production         60         20         80         10         -         10         100         100           Fodder production         60         20         80         10         -         10         100		2	28	-	28	7	_	7	12	3	15	50
Integrated Crop Management       4       60       20       80       10       -       10       100       100         Production of organic inputs <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>												
Fodder production         Image						-	-					
Production of organic inputs         Image         Image <th< td=""><td></td><td></td><td>00</td><td>20</td><td>00</td><td>10</td><td></td><td></td><td>10</td><td>_</td><td>10</td><td>100</td></th<>			00	20	00	10			10	_	10	100
III Horiculture         Image and high value crops         Image and	Production of organic inputs											
a) Vegotable Crops         Image: Constraint of Constr												
Production of low volume and high value crops       Image: Production of seven poperables       Image: Production of expont potential vegetables       Image: Production of expont potential futility       Image												
Off-season vegetables       2       24       20       44       2       1       3       2       1       3       50         Exotic vegetables production       Image methods	Production of low volume and high value crops											
Nursery raising         Image of any of potential vegetables         Image of any of a		2	24	20	44	2	1	3	2	1	3	50
Exolic vegetables production         Image: Second Control Vegetables         Image: Second Control Veget		<u> </u>		20					~			50
Production of export potential vegetables       Image and advance of the standardization       Image advance of the standardization       Image advance of the standardization       Image advance of the standardization         Protective cultivation (Green Houses, Shade Net etc.)       2       22       22       24       2       1       3       2       1       3       50         Di Fruits       Image advance of the standardization       Image advance of th												
Grading and standardization         Image: Control of Contrel of Contrel of Control of Control of Control of Contrel of Co			-									
Protective cultivation (Green Houses, Shade Net etc.)       2       22       22       44       2       1       3       2       1       3       50         Di Fruits       Image												
b) Fruits         Image: Constraint of Contracts         Image: Constraint of Constraint of Constraints         Image: Constraint of Constraints         Imag		2	22	22	44	2	1	3	2	1	3	50
TrainingImage<		<u> </u>		~~~		-	-					
Pruning         Image         <												
Layout and Management of Orchards       Imagement of Young plants/orchards       Imagement of You			-									
Cultivation of Fruit crops         Imagement of young plants/orchards         Imagement of young plants/orchards/orchards/orchards/orchards/orchards/orchards/orchards/orchards/orchards/orchards/orchards/orchards/orchards/orchards/orchard												
Management of young plants/orchards         2         30         14         44         2         1         3         2         1         3         50           Rejuvenation of old orchards         2         30         14         44         2         1         3         2         1         3         50           Cultivation of export potential fruits         2         30         14         44         2         1         3         2         1         3         50           Cultivation of export potential fruits         2         1         3         2         1         3         50           Plant propagation techniques         0         1 <td></td> <td></td> <td></td> <td></td> <td></td> <td>   </td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>												
Rejurnation of old orchards       2       30       14       44       2       1       3       2       1       3       50         Cultivation of export potential fruits												
Cultivation of export potential fruitsImage of expansion of expansion by systems of orchardsImage of expansion by systems of orchards <thimage by<="" expansion="" of="" td=""><td></td><td>2</td><td>30</td><td>14</td><td>44</td><td>2</td><td>1</td><td>3</td><td>2</td><td>1</td><td>3</td><td>50</td></thimage>		2	30	14	44	2	1	3	2	1	3	50
Micro irrigation systems of orchardsImage: Section of the systems of orchards <thimage: of="" section="" systems="" td="" the="" the<=""><td></td><td></td><td></td><td>17</td><td></td><td>-</td><td>•</td><td></td><td></td><td></td><td></td><td>00</td></thimage:>				17		-	•					00
Plant propagation techniquesImage mentImage ment <t< td=""><td></td><td></td><td></td><td></td><td></td><td>   </td><td></td><td><u> </u></td><td></td><td></td><td></td><td></td></t<>								<u> </u>				
c) Ornamental PlantsImagementImagementImagementImagementImagementImagementNursery ManagementImagementImagementImagementImagementImagementImagementImagementProduction of export potential ornamental plants110112120202225Production of export potential ornamental Plants110112120202225Production and Management technology11922120220225Processing and value additionImagement technology11922120220225Processing and value additionImagement technologyImagement t								<u> </u>				
Nursery ManagementImage of the politic plantsImage of the politic plantsImage of the plants <th< td=""><td></td><td></td><td></td><td></td><td></td><td>   </td><td></td><td></td><td></td><td></td><td></td><td></td></th<>												
Management of potted plants       Imagement of plants       Imagement of plants       Imagement of plants       Imagement of plants       Imagement of plants       Imagement of plants       Imagement of plants       Image												
Production of export potential ornamental plants       1       10       11       21       2       0       2       2       25         Propagation techniques of Ornamental Plants       - <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>												
Propagation techniques of Ornamental PlantsImage: constraint of the second		1	10	11	21	2	0	2	0	2	2	25
d) Plantation cropsImage: second			10		21		0	-				20
Production and Management technology       1       19       2       21       2       0       2       2       0       2       25         Processing and value addition       Image: Constraint of the second seco												
Processing and value additionImage: second seco		1	19	2	21	2	0	2	2	0	2	25
e) Tuber cropsImage: constraint of the state st	Processing and value addition		10			-		-	-		-	20
Production and Management technologyImage: constraint of the system of the												
Processing and value additionImage: constraint of the system												
f) SpicesImage: constraint of the spice of th												
Production and Management technology         1         19         2         21         2         0         2         2         0         2         25           Processing and value addition         1         10         11         21         2         0         2         2         0         2         25           g) Medicinal and Aromatic Plants												
Processing and value addition         1         10         11         21         2         0         2         2         0         2         25           g) Medicinal and Aromatic Plants         Image: Constraint of the state	Production and Management technology	1	19	2	21	2	0	2	2	0	2	25
g) Medicinal and Aromatic PlantsImage: Constraint of the system of the syst			-									
Nursery management         Image: Constraint of the system of the sy							-	<u> </u>				
Production and management technology         2         10         30         40         0         0         10         0         10         50           Post harvest technology and value addition </td <td></td> <td></td> <td>1</td> <td></td> <td> </td> <td>1 1</td> <td></td> <td>1</td> <td> </td> <td></td> <td></td> <td></td>			1			1 1		1				
Post harvest technology and value addition       Image: Constraint of the second	Production and management technology	2	10	30	40	0	0	0	10	0	10	50
III Soil Health and Fertility Management     Image: Constraint of the second seco	Post harvest technology and value addition		1				-					
Soil fertility management			1									
			1									

Integrated Nutrient Management											
Production and use of organic inputs											
Management of Problematic soils											
Micro nutrient deficiency in crops							1				
Nutrient Use Efficiency											
Soil and Water Testing											
IV Livestock Production and Management											
Dairy Management	1	16	5	21	2	1	3	1	0	1	25
Poultry Management	2	22	20	42	3	1	4	2	2	4	50
Piggery Management	2	26	16	42	2	3	5	2	1	3	50
Rabbit Management						-					
Disease Management	2	25	17	42	4	1	5	3	0	3	50
Feed management	1	13	9	22	1	1	2	0	1	1	25
Production of quality animal products	1	12	10	22	0	0	0	3	0	3	25
Goatery management	1	11	10	21	1	1	2	1	1	2	25
V Home Science/Women empowerment							1				
Household food security by nutrition gardening	1	2	16	18	0	2	2	2	3	5	25
Design and development of low/minimum cost diet											
Designing and development for high nutrient efficiency diet											
Minimization of nutrient loss in processing											
Gender mainstreaming through SHGs											
Storage loss minimization techniques	2	10	20	30	2	5	7	3	10	13	50
Value addition	1	0	8	8	0	2	2	2	13	15	25
Income generation activities for empowerment of rural Women	1	0	5	5	0	8	8	0	12	12	25
Location specific drudgery reduction technologies	1	5	15	20	1	2	3	0	2	2	25
Rural Crafts											
Women and child care	1	0	10	10	0	5	5	0	10	10	25
VI Agricultural Engineering			_			-					
Installation and maintenance of micro irrigation systems											
Use of Plastics in farming practices											
Production of small tools and implements											
Repair and maintenance of farm machinery and implements								1			
Small scale processing and value addition					1 1			1			
Post Harvest Technologies							1				
VII Plant Protection					1		1				
Integrated Pest Management	5	90	23	113	0	0	0	12	0	12	125
Disease Management	8	115	48	163	6	0	6	14	17	31	200
Bio-control of pests and diseases	2	40	10	50	0	0	0	0	0	0	50
Nematode management	3	22	33	55	0	0	0	10	10	20	75
Production of bio control agents and bio pesticides	3	40	20	60	0	0	0	10	5	15	75
Save application of Pesticide	1	10	5	15	10	0	10	0	0	0	25
VIII Fisheries				1			1	1	1	1 1	
Integrated fish farming							1	1		1 1	
Carp breeding and hatchery management							1	1			
Carp fry and fingerling rearing							1	1			
Composite fish culture				1			1		1		

Hatchery management and culture of freshwater prawn	1		1		1		1		1	1	
Breeding and culture of ornamental fishes	-										
Portable plastic carp hatchery											
Pen culture of fish and prawn		-	_								
			_	_							
Shrimp farming	_	-	-								
Edible oyster farming	_			_							
Pearl culture											
Fish processing and value addition											
IX Production of Inputs at site											
Seed Production											
Planting material production											
Bio-agents production											
Bio-pesticides production											
Bio-fertilizer production											
Vermicompost production											
Other Organic manures production											
Production of fry and fingerlings			1								
Production of Bee-colonies and wax sheets		1	1				1				
Small tools and implements	1										
Production of livestock feed and fodder			1						1		
Production of Fish feed											
X Capacity Building and Group Dynamics										1	
Leadership development in villages									1		
Managing Group dynamics	2	22	3	25	10	10	20	3	2	5	50
Formation and Management of SHGs	4	50	15	65	5	13	18	2	15	17	100
Mobilization of social capital in villages	2	18	7	25	10	10	20	0	5	5	50
Entrepreneurial development of farmers/youths	4	40	21	61	18	8	26	3	10	13	100
WTO and IPR issues	1										
XI Agro-forestry											
Production technologies											
Nursery management									1		
Integrated Farming Systems		1					1			1	
XII Others (PI. Specify)											
TOTAL	1		1	1			1		1	1	
(B) RURAL YOUTH											
Mushroom Production	1										
Bee-keeping											
Integrated farming	2	20	4	24	15	6	21	4	1	5	50
Seed production			1		-	-	1			-	
Production of organic inputs	1		1				1			1	
Integrated Farming	1	1	1	1	1	1	1		1	1	
Planting material production	1	1	1	1	1	1	1		1	1	
Vermiculture	1		1								
		+	1	+		1					
Sericulture											
	-									1	
Protected cultivation of vegetable crops											

Nursery Management of Horticulture crops	2	28	18	46	2	0	2	2	0	2	50
Training and pruning of orchards						-					
Value addition	2	29	17	46	0	2	2	0	2	2	50
Production of quality animal products								-			
Dairying	1	18	4	22	1	1	2	1	0	1	25
Sheep and goat rearing	1	12	9	21	2	0	2	1	1	2	25
Quail farming						-		-			
Piggery	1	14	8	22	1	1	2	0	1	1	25
Rabbit farming			-					-			-
Poultry production	2	23	19	42	2	2	4	3	1	4	50
Ornamental fisheries								-			
Training as Para vets											
Training as Para extension workers											
Composite fish culture											
Freshwater prawn culture											
Fish harvest and processing technology											
Fry and fingerling rearing											
Small scale processing											
Post Harvest Technology											
Tailoring and Stitching	1	0	15	15	0	5	5	0	5	5	25
Rural Crafts			-	-	-	-		-			-
TOTAL	90	1089	590	1679	169	111	280	145	146	291	2250
(C) Extension Personnel		1002		10//	102		200	110	110	-/1	2200
Productivity enhancement in field crops											
Integrated Pest Management	1	20	0	20	2	0	2	3	0	3	25
Integrated Nutrient management								-		-	
Rejuvenation of old orchards	1	20	0	20	3	0	3	2	0	2	25
Protected cultivation technology				-	-	-	-				
Formation and Management of SHGs											
Group Dynamics and farmers organizations											
Information networking among farmers											
Capacity building for ICT application	1	22	0	22	2	0	2	1	0	1	25
Care and maintenance of farm machinery and implements											
WTO and IPR issues											
Management in farm animals											
Livestock feed and fodder production											
Household food security											
Women and Child care	1	0	10	10	0	5	5	0	10	10	25
Low cost and nutrient efficient diet designing	1	0	10	10	0	3	3	0	12	12	25
Production and use of organic inputs											
Gender mainstreaming through SHGs											
Any other (Pl. Specify)											
TOTAL	5	62	20	82	7	8	15	6	22	28	125

		No. of participants											
	Courses		Others			SC			ST				
Thematic area	(No)	Male	Female	Total	Male	Femal e	Total	Male	Female	Total	Grand Total		
(A) Farmers & Farm Women					1								
I Crop Production													
Weed Management	2	30	-	30	5	-	5	10	5	15	50		
Nutrient Management	2	35	-	35	10	-	10	5	-	5	50		
Resource Conservation Technologies					1								
Cropping Systems					1								
Crop Diversification	2	32	3	35	5	5	10	2	3	5	50		
Integrated Farming systems	3	22	14	36	25	9	34	4	1	5	75		
Water management		1			1								
Seed production	2	28	-	28	7	-	7	12	3	15	50		
Nursery management	4	53	23	76	12	10	22	2	0	2	100		
Integrated Crop Management	4	60	20	80	10	-	10	10	-	10	100		
Fodder production													
Production of organic inputs													
II Horticulture													
a) Vegetable Crops													
Production of low volume and high value crops													
Off-season vegetables	2	24	20	44	2	1	3	2	1	3	50		
Nursery raising													
Exotic vegetables production													
Production of export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)	2	22	22	44	2	1	3	2	1	3	50		
b) Fruits													
Training													
Pruning													
Layout and Management of Orchards					1								
Cultivation of Fruit crops					1								
Management of young plants/orchards													
Rejuvenation of old orchards	3	50	14	64	5	1	6	4	1	5	75		

# Consolidated table (On + Off + Sponsored + Vocational)

Micro ingration systems of orchards         Image of any chard or chards became and the systems of orchards         Image of any chard or chards         Image of any chard or chard or chards         Image of any chard or chards         Image of any chard or chards         Image of any chard or chards         Image of any chard or chards         Image of any chard or chards         Image of any chard or chards         Image of any chard or chard or chard or chards         Image of any chard or chard	Cultivation of export potential fruits		1			1						
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Production of quality animal products112102200030325Goatery management223194231422450V Home Science/Women empowerment							-			-	-	
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V Home Science/Women empowermentImage: Constraint of the science women and the scienc				-		-	-	-		-	-	
Household food security by nutrition gardening12161802223525Design and development of low/minimum cost diet<							•	· ·	-		· · · · · · · · · · · · · · · · · · ·	
Designing and development for high nutrient efficiency dietImage: Constraint of the second secon	-	1	2	16	18	0	2	2	2	3	5	25
Minimization of nutrient loss in processingImage: constraint of nutrient loss in pr	Design and development of low/minimum cost diet											
Minimization of nutrient loss in processingImage: constraint of nutrient loss in pr	Designing and development for high nutrient efficiency diet								1	1		
Gender mainstreaming through SHGs         Image: Constraint of the second s	Minimization of nutrient loss in processing	1							1			
Storage loss minimization techniques         2         10         20         30         2         5         7         3         10         13         50	Gender mainstreaming through SHGs											
		2	10	20	30	2	5	7	3	10	13	50
	Value addition			-			-		-	-		

Income generation activities for empowerment of rural Women	3	0	40	40	0	18	18	0	17	17	75
Location specific drudgery reduction technologies	1	5	15	20	1	2	3	0	2	2	25
Rural Crafts									1		
Women and child care	2	0	20	20	0	10	10	0	20	20	50
VI Agricultural Engineering											
Installation and maintenance of micro irrigation systems											
Use of Plastics in farming practices		1									
Production of small tools and implements		+							<u> </u>		
Repair and maintenance of farm machinery and implements		+							1		
Small scale processing and value addition		-							1		
Post Harvest Technologies					1				1		
VII Plant Protection		-							<u> </u>		
Integrated Pest Management	6	110	23	133	2	0	2	14	3	17	150
Disease Management	8	115	48	163	6	0	6	14	17	31	200
Bio-control of pests and diseases	2	40	10	50	0	0	0	0	0	0	50
Nematode Management	3	22	33	55	0	0	0	10	10	20	75
Production of bio control agents and bio pesticides	3	40	20	60	0	0	0	10	5	15	75
Save application of Pesticide	1	10	5	15	10	0	10	0	0	0	25
VIII Fisheries		10	5	15	10	0	10	0		0	25
Integrated fish farming											
Carp breeding and hatchery management											
Carp fry and fingerling rearing											
Composite fish culture											
Hatchery management and culture of freshwater prawn											
Breeding and culture of ornamental fishes											
Portable plastic carp hatchery		_									
Pen culture of fish and prawn											
Shrimp farming											
Edible oyster farming											
Pearl culture					ļ						
Fish processing and value addition					ļ						
IX Production of Inputs at site											
Seed Production									ļ		
Planting material production					ļ						
Bio-agents production											
Bio-pesticides production											
Bio-fertilizer production											
Vermicompost production											
Other Organic manures production											
Production of fry and fingerlings											
Production of Bee-colonies and wax sheets											
Small tools and implements											
Production of livestock feed and fodder											
Production of Fish feed											
X Capacity Building and Group Dynamics											
Leadership development in villages											
Managing Group dynamics	2	22	3	25	10	10	20	3	2	5	50
Formation and Management of SHGs	4	50	15	65	5	13	18	2	15	17	100

Mobilization of social capital in villages	2	18	7	25	10	10	20	0	5	5	50
Entrepreneurial development of farmers/youths	4	40	21	61	18	8	26	3	10	13	100
WTO and IPR issues	2	22	3	25	10	10	20	3	2	5	50
XI Agro-forestry											
Production technologies											
Nursery management											
Integrated Farming Systems											
XII Others (PI. Specify)											
Capacity building for ICT application	1	22	0	22	2	0	2	1	0	1	25
Low cost and nutrient efficient diet designing	1	0	10	10	0	3	3	0	12	12	25
Commercial production of Vermicompost for self employment	1	14	11	25	0	0	0	0	0	0	25
2 Days)											
Total	97	1165	641	1806	176	124	300	150	171	321	2425

				No. of Participants				
Crop / Enterprise	Enterprise Identified Thrust Area	Training title*	Duration (days)	Male	Female	Total		

\*training title should specify the major technology /skill transferred

# Sponsored Training Programmes

					Client		No. of Participants										
No	Title	Thematic area	Mo nth	Duration (days)	PF/RY	No. of courses		Male		F	emale			т	otal		Sponsoring Agency
					/EF		Others	SC	ST	Others	SC	ST	Others	SC	ST	Total	
1.																	
2.																	
3.																	
4.																	
5.																	
	Total																

PART – IV

(EXTENSION ACTIVITES AND PRODUCTION OF SEED AND PLANTING MATERIALS) 4. Proposed Extension Activities for the year 2011-12 (including activities under FLD programmes)

Nature of Extension Activity	No. of activities		Farmers		Extension Officials			F	Rural You	ıth	Total		
Nature of Extension Activity		М	F	Т	М	F	T	М	F	Т	M	F	Т
Field Day	6	100	47	147	15	-	15	16	22	38	131	69	200
Kisan Mela	1												
Kisan Gosthi													
Exhibition													
Film Show	3	45	25	70	3	`-	3	25	20	45	73	45	118
Method Demonstrations	3	35	5	40	3	-	3	22	6	28	60	11	71
Farmers Seminar	1	15	10	25	-	-	-	10	5	15	30	10	40
Workshop													Τ
Group meetings													1
Lectures delivered as resource persons	12				İ								
Newspaper coverage	20				İ								
Radio talks	5								1				1
TV talks	4												1
Popular articles	20												1
Extension Literature	7				İ								
Advisory Services	45	30	5	35	10	-	10	20	5	25	60	10	70
Scientific visit to farmers field	20	100	30	130	-	-	-	30	10	40	130	40	170
Farmers visit to KVK		50	10	60	10	5	15	15	10	25	75	25	100
Diagnostic visits	10	60	10	70	-	-	10	40	15	55	110	25	125
Exposure visits	1	10	10	20	2	-	2	10	10	20	22	20	42
Ex-trainees Sammelan	1	10	10	20	-	-	-	10	10	20	20	20	40
Soil health Camp	1	20	5	25	3	-	3	20	10	30	43	15	58
Nutrition awareness camp	1	5	27	32	2	1	3	5	20	25	12	48	60
Animal Health Camp													1
Agri mobile clinic					İ								
Soil test campaigns			1						1				1
Farm Science Club Conveners meet									1		1		1
Self Help Group Conveners meetings													
Mahila Mandals Conveners meetings													
Celebration of important days (specify) (World Food Day)	1												1
Any Other (Specify) Survey- Food habits of tribes of Tinsukia district	1												
Total	162	480	194	674	48	6	64	223	143	366	766	338	1094

Proposed production and supply of Technological products

### Seed materials:

SI. No.	Сгор	Variety	Proposed Quantity (qtl.)	Value (Rs.)	To be provided to (No. of Farmers)
Cereals	Rice	Ranjit	8.0	8000.00	
	-				
Oileasde	Toria	TS-36	6.0	12 000 00	
Oilseeds	Tona	15-30	0.0	12,000.00	
Pulses	Black gram	Any HYV	1.0	2200.00	
Vegetables					
Flower Crops					
Others (Specify)	Ginger	Nadia			
	Turmeric	Megha Turmeric			

# Planting materials:

SI. No.	Сгор	Variety	Quantity (Nos.)	Value (Rs.)	To be provided to (No. of Farmers)
Fruits	Pineapple	Kew	2000		
	Banana	Local	1000		

	Khasi mandarin	CRS selection	5000	
	Rough lemon	-do-	2000	
	Assam lemon	-do-	1000	
Spices	Black pepper	Pannyur-1	1000	
			4000	
Vegetables	Pointed gourd	Local	1000	
Forest Species				
Ornamental Crops				
Plantation Crops				
Others (specify)	Fodder			

### Bioproducts :

	Product Name	Species	Qua	ntity	Value (Rs.)	To be provided to
SI. No.	Froduct Name		No	(kg)	Value (RS.)	To be provided to (No. of Farmers)
Bioagents						
1						
2						
3						
Biofertilizers						
1						
2						
3						
Bio Pesticides						
1						
2						
3						

Livestock :

SI. No. Type Breed Nos Kgs Value (Rs.) To be provided to (No. of Farmers)			Quantity				
	SI. No.	Туре	Breed	Nos	Kgs	Value (Rs.)	To be provided to (No. of Farmers)

27

Cattle			
Sheep and Goat			
Poultry			
Fisheries			
Others (Specify)			

# Literature proposed to be developed/ published

Item	Title	Number
Research papers	-	
Technical reports	Annual Progress Report	
News letters	-	
Technical bulletins	"Dhanor Bivinna Anistokari Kit-Patanga Aru Inhator Neontron" in Assamaes	500
Popular articles		10
Extension literature       "Jibanusaror Byobohar Aru Iyar Upokarita" in Assamase         "Seujiya Sar-Iyar Byobohar Aru Upokarita" in Assamese         "Dhankhetit Susanghota Paddhatit Apatrina Neontron" in Assamese		1000
		1000
		1000
	"Bigyansanmata Paddhatire Unnata Jator Ghanh Utpadon" in Assamese	1000
	"Kathiyar Jaton Aru Kathiyatoli Paricharjya" in Assamese	1000
	"Til Khetir Unnata Krishi Pranali" in Assamese	1000
	"Mati Parikhyar Babae Matir Namuna Sangrah" in Assamese	1000
Others (Pl. specify)		
Total		

# Details of Electronic Media proposed

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

# Field activities proposed

i.	Number of villages to be adopted	:	2
ii.	No. of farm families to be selected	:	60
iii.	No. of surveys/PRA to be conducted	:	4

# Proposed activities of Soil and Water Testing Laboratory: Status of establishment of Lab

- 1. 2. Year of establishment : 2008 :
- Details of samples to be analyzed

Details	No. of Samples	No. of Farmers	No. of Villages
Soil Samples			
Water Samples			
Total			

PART – V (LINKAGES WITH OUTSIDE ORGANISATIONS)

# 5. Proposed Linkages

### Functional linkage with different organizations

	Nature of linkage
ICAR Research Complex for NEH Region, Umium, Meghalaya	Participating Trainers' Training, conducting FLD Programme, Seminar etc.

Department of Agriculture, Govt of Assam	<ul> <li>a) Joint Diagnostic visit</li> <li>b) Organization of training camps</li> <li>c) Zonal Workshop to discuss technical problems and solution in different areas</li> <li>d) PRA and other survey works</li> </ul>
Department of Animal Husbandry & Veterinary, Tinsukia	Conducting training programme, animal health camp, vaccination camp etc.
Department of Fishery, Tinsukia	Conducting training
Department of Sericulture, Tinsukia	Conducting training
District Field Management Committee, Tinsukia	<ul> <li>a) Organizing training</li> <li>b) Feedback on training and demonstration needs</li> <li>c) Follow up on the farmers performance after training</li> </ul>
District Rural Development Agency, Tinsukia	<ul> <li>a) Formation and management of SHGs</li> <li>b) Capacity building for entrepreneurship development in project areas</li> </ul>
District Administration, Tinsukia	<ul> <li>Multidisciplinary Task Force to provide technical and administrative support whenever needed</li> </ul>
Ladies Club, Tinsukia	a) Organization of programmes for woman empowerment
District Small Tea Growers Association, Tinsukia	<ul><li>a) Feedback on training and demonstration</li><li>b) Follow-up on the farmers performance</li></ul>

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

### List special programmes to be undertaken by the KVK, financed by State Govt./Other Agencies (if any)

Name of the scheme	Date/ Month of initiation	Funding agency	Amount (Rs.)
RKVY			

## Details of proposed linkage with ATMA

## a) Is ATMA implemented in your district (Yes/No): Yes

S. No.	Programme	Nature of linkage proposed
1	Training of farmers/ Rural Youth	Resource person

Give details of programmes implemented under National Horticultural Mission (if any) : NA

S. No.	Programme	Nature of linkage proposed

Nature of linkage with National Fisheries Development Board (if any) NA

S. No.	Programme	Nature of linkage proposed

# PART – VI (PERFORMANCE OF INFRASTRUCTURE)

### 6. Performance of infrastructure in KVK

Proposed utilization of demonstration units (other than instructional farm) :

				Proposed production		ŀ	Amount (Rs.)	
No.	Demo Unit	Year of estt.	Area	Variety	Produce	Qty.	Cost of inputs	Gross income expected

Proposed utilization of instructional farm (Crops) including seed production:

Name		Expected Date of	rea	P	roposed production		Ar	nount (Rs.)
Of the crop	Expected Date of sowing	harvest	(ha)Area	Variety	Type of Produce	Qty.	Cost of inputs	Gross income expected
Cereals								
			-					
Pulses								
Oilseeds								
Toria	25 <sup>th</sup> October		0.5	TS-38	Seed	3.5q	3000	10500
Fibers								
Spices								
			-					
Plantation crops								
Floriculture			1					
			-					
Fruits			1					
	_		-					
Vegetables								
			+					
Others (Specify)								

# Proposed production Units (bio-agents / bio pesticides/ bio fertilizers etc.,) :

			Amount (Rs.)		
No.	Name of the Product	Qty	Cost of inputs	Gross income expected	

	1		
1			

Performance of instructional farm (livestock and fisheries production) :

No	Name	Details of expected production						
	of the animal / bird / aquatics	Breed	Type of Produce	Qty expected				

PART – VII (SUMMARY)

7. Summary

Targets for April 2011- March 2012 for KVK, Tinsukia

On Farm Trials

Thematic areas	Cereals	Oilseeds	Pulses	Vegetables	Spices	Fruits	Animal	Total
Biological Control of Diseases					1			1
Biological Control of Pests	1							1
Crop production		2		1	1			4
Breed up gradation							1	1
Nutrition management							1	1
Grand total	1	2		1	2		2	8

# FLDs on oilseed and pulse crops.

Name of KVK	Oilse	eeds	Pulses			
	Area (ha)	No. of farmers	Area (ha)	No. of farmers		
	5	25	5	30		
KVK, Tinsukia						
Total	5	25	5	30		

# Training programmes

Area	Farmers	/ farm women	Rur	al youth	Extensio	Extension personnel	
Alea	Courses	Participants	Courses	Participants	Courses	Participants	
Crop Production	15	375					
Horticulture	12	300	2	50	1	25	
Plant Protection	22	550			1	25	
Home Science	9	225	2	50	2	50	
Animal Science	10	250	5	125			
Soil Science			1	25			
Agril Engineering							
Bee Keeping							
Mushroom Cultivation							
Agro forestry							

Others i) Agri.Extension	12	300	2	50		
ii) ) ICT application					1	25
Total	80	2000	12	300	5	125

Extension Activities

Activity	Nos
Field days	6
Kisan Mela	1
Exhibition	
Exposure visit	1
Extension literature	5
Scientist farmers' interaction	
Ex-trainees meet	1
Advisory services	45
Newspaper coverage	20
TV show	4
Radio talk	5
Others i) Film show ii). Method demonstration iii). Diagnostic Visit iv). Soil Health camp	3 3 10 1
Total	105

# Seed Production:

KVK	Quantity (qtl)							
	Cereals	Oilseeds	Pulses	Vegetables				
	Rice - 8.0	Toria – 6.0	Black gram- 1.0					
KVK, Tinsukia								
Total	8.0	6.0	1.0					

Planting Materials :

кук		Quantity (nos)			
	Fruits	Vegetable Seedlings	Tree Species	<b>Ornamental Plants</b>	
	Pineapple- 2000 Nos.	Pointed gourd- 1000			

35

KVK, Tinsukia	Banana- 1000			
	Khasi mandarin-5000			
	Rough lemon-2000			
	Assam lemon-1000			
Total	11000	1000	-	-

Signature, Programme coordinator, KVK, Tinsukia

(Signature not needed in case of soft copy)