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 1st 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	1. Discussion on progress report of KVK 2. Discussion on training programmes 3. FLD and OFT to be conducted

Details of district (2010-11)

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

No	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

Details of Operational area / Villages (2011-12)

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

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Priority thrust areas (prioritized in sync with thrust areas identified and given above)

Rank	Thrust area
1	**Sustainable agriculture through** • Introduction of suitable high yielding varieties for different crops under different situations. • Use of integrated pest management (IPM), integrated weed management (IWM), integrated nutrient management (INM), biotechnology and water management (WM) • Integrated farming system approach keeping in view the ecological balance
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

PART – II
(OFT AND FLD)

2. Technical activities proposed

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

No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions (if any)					
				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

No	Thrust area	~~Crop/~~ Enterprise	Identified Problem	Interventions (if any)					
				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	A	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	A	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	A	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	A	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
A	2005	Y	NA	Growth and yield attributes, yield, B:C ratio,
A		Y	NA	Growth and yield attributes, yield, B:C ratio,
A	2003	Y	NA	% pest infestation, Yield, Benefit cost ratio
A	Under pipeline	Y	NA	Growth and yield attributes, Yield, Benefit cost ratio
A		Y	NA	% Disease infestation, Yield, Benefit cost ratio
A	Under pipeline	Y	NA	Growth and yield attributes, Yield, Benefit cost ratio
A	2005	Y	NA	Milk production and reproductive performance
A		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

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

	Crop production	Sesamum (Var- ST-1683)	Timely supply of seeds & fertilizers	1	3	1
		Toria Variety TS-36	Timely supply of seeds & fertilizers at subsidized rate	1	10	5
		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

N3o.	Crop	Thematic area	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?	Area (ha)	No. of farmers/demonstration		
							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

No.	Crop	Thematic area	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?	Area (ha)	No. of farmers/demonstration		
							Proposed	SC/ST	Others	Total
1	Toria	Crop production	Toria variety TS-46	Rabi, 2011-12	Y	NA	5	5	20	25

C. Pulse Crops

No.	Crop	Thematic area	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?	Area (ha)	No. of farmers/demonstration		
							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

			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)	No. of farmers/demonstration		
							Proposed	SC/ST	Others	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 parameter in relation to technology demonstrated		% change in the parameter	Remarks
					Demon.	Local check		
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	Performance parameters / indicators	Data on parameter in relation to technology demonstrated		% change in the parameter	Remarks
					Demon.	Local check		
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

Thematic area	Courses (No)	No. of participants									
		Others			SC			ST			Grand Total
		Male	Female	Total	Male	Female	Total	Male	Female	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											
Integrated Crop Management											
Fodder production											
Production of organic inputs											
II Horticulture											
a) Vegetable Crops											
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											
Pruning											
Layout and Management of Orchards											
Cultivation of Fruit crops											
Management of young plants/orchards											
Rejuvenation of old orchards											
Cultivation of export potential fruits											
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											
Soil fertility management											
Soil and Water Conservation											
Integrated Nutrient Management											
Production and use of organic inputs											

Management of Problematic soils											
Micro nutrient deficiency in crops											
Nutrient Use Efficiency											
Soil and Water Testing											
IV Livestock Production and Management											
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											
Rural Crafts											
Women and child care											
Total	**2**	**0**	**35**	**35**	**0**	**10**	**10**	**0**	**5**	**5**	**50**
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											
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											
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											
Entrepreneurial development of farmers/youths											
WTO and IPR issues											
XI Agro-forestry											
Production technologies											
Nursery management											
Integrated Farming Systems											
XII Others (Pl. Specify)											
TOTAL											
(B) RURAL YOUTH											
Mushroom Production											
Bee-keeping											
Integrated farming											
Seed production											
Production of organic inputs											
Planting material production											
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											
Production of quality animal products											
Dairying											
Sheep and goat rearing											
Quail farming											
Piggery											

Rabbit farming											
Poultry production											
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											
Rural Crafts											
TOTAL											
(C) Extension Personnel											
Productivity enhancement in field crops											
Integrated Pest Management											
Integrated Nutrient management											
Rejuvenation of old orchards											
Protected cultivation technology											
Formation and Management of SHGs											
Group Dynamics and farmers organizations											
Information networking among farmers											
Capacity building for ICT application											
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											
Low cost and nutrient efficient diet designing											
Total											

Off Campus

Thematic area	Courses (No)	No. of participants									
		Others			SC			ST			Grand Total
		Male	Female	Total	Male	Female	Total	Male	Female	Total	
(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											

Crop Diversification	2	32	3	35	5	5	10	2	3	5	50
Integrated Farming systems	1	2	10	12	10	3	13	-	-	-	25
Water management											
Seed production	2	28	-	28	7	-	7	12	3	15	50
Nursery management	2	**25**	**5**	**30**	**10**	**10**	**20**	**-**	**-**	**-**	**50**
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											
Cultivation of Fruit crops											
Management of young plants/orchards											
Rejuvenation of old orchards	2	30	14	44	2	1	3	2	1	3	50
Cultivation of export potential fruits											
Micro irrigation systems of orchards											
Plant propagation techniques											
c) Ornamental Plants											
Nursery Management											
Management of potted plants											
Production of export potential ornamental plants	1	10	11	21	2	0	2	0	2	2	25
Propagation techniques of Ornamental Plants											
d) Plantation crops											
Production and Management technology	1	19	2	21	2	0	2	2	0	2	25
Processing and value addition											
e) Tuber crops											
Production and Management technology											
Processing and value addition											
f) Spices											
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											
Nursery management											
Production and management technology	2	10	30	40	0	0	0	10	0	10	50
Post harvest technology and value addition											
III Soil Health and Fertility Management											
Soil fertility management											
Soil and Water Conservation											

Integrated Nutrient Management											
Production and use of organic inputs											
Management of Problematic soils											
Micro nutrient deficiency in crops											
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											
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											
Small scale processing and value addition											
Post Harvest Technologies											
VII Plant Protection											
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											
Integrated fish farming											
Carp breeding and hatchery management											
Carp fry and fingerling rearing											
Composite fish culture											

Hatchery management and culture of freshwater prawn											
Breeding and culture of ornamental fishes											
Portable plastic carp hatchery											
Pen culture of fish and prawn											
Shrimp farming											
Edible oyster farming											
Pearl culture											
Fish processing and value addition											
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	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											
XI Agro-forestry											
Production technologies											
Nursery management											
Integrated Farming Systems											
XII Others (Pl. Specify)											
TOTAL											
(B) RURAL YOUTH											
Mushroom Production											
Bee-keeping											
Integrated farming	2	20	4	24	15	6	21	4	1	5	50
Seed production											
Production of organic inputs											
Integrated Farming											
Planting material production											
Vermiculture											
Sericulture											
Protected cultivation of vegetable crops											
Commercial fruit production											
Repair and maintenance of farm machinery and implements											

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											
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**

Consolidated table (On + Off + Sponsored + Vocational)

Thematic area	Courses (No)	No. of participants									
		Others			SC			ST			Grand Total
		Male	Female	Total	Male	Female	Total	Male	Female	Total	
(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											
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											
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											
Cultivation of Fruit crops											
Management of young plants/orchards											
Rejuvenation of old orchards	3	50	14	64	5	1	6	4	1	5	75

Cultivation of export potential fruits											
Micro irrigation systems of orchards											
Plant propagation techniques											
c) Ornamental Plants											
Nursery Management											
Management of potted plants											
Production of export potential ornamental plants	1	10	11	21	2	0	2	0	2	2	25
Propagation techniques of Ornamental Plants											
d) Plantation crops											
Production and Management technology	1	19	2	21	2	0	2	2	0	2	25
Processing and value addition											
e) Tuber crops											
Production and Management technology											
Processing and value addition											
f) Spices											
Production and Management technology	1	19	2	21	2	0	2	2	0	2	25
Processing and value addition	4	39	36	75	2	4	6	4	15	19	100
g) Medicinal and Aromatic Plants											
Nursery management											
Production and management technology	2	10	30	40	0	0	0	10	0	10	50
Post harvest technology and value addition											
III Soil Health and Fertility Management											
Soil fertility management											
Soil and Water Conservation											
Integrated Nutrient Management											
Production and use of organic inputs											
Management of Problematic soils											
Micro nutrient deficiency in crops											
Nutrient Use Efficiency											
Soil and Water Testing											
IV Livestock Production and Management											
Dairy Management	2	34	9	43	3	2	5	2	0	2	50
Poultry Management	4	45	39	84	5	3	8	5	3	8	100
Piggery Management	3	40	24	64	3	4	7	2	2	4	75
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	2	23	19	42	3	1	4	2	2	4	50
V Home Science/Women empowerment											
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											

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											
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											
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	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											
Integrated fish farming											
Carp breeding and hatchery management											
Carp fry and fingerling rearing											
Composite fish culture											
Hatchery management and culture of freshwater prawn											
Breeding and culture of ornamental fishes											
Portable plastic carp hatchery											
Pen culture of fish and prawn											
Shrimp farming											
Edible oyster farming											
Pearl culture											
Fish processing and value addition											
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	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 (Pl. 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 2 Days)	1	14	11	25	0	0	0	0	0	0	25
Total	**97**	**1165**	**641**	**1806**	**176**	**124**	**300**	**150**	**171**	**321**	**2425**

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

*training title should specify the major technology /skill transferred

Sponsored Training Programmes

No	Title	Thematic area	Month	Duration (days)	Client	No. of courses	No. of Participants									Sponsoring Agency
					PF/RY /EF		Male			Female			Total			
							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			Rural Youth			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
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													
Group meetings													
Lectures delivered as resource persons	12												
Newspaper coverage	20												
Radio talks	5												
TV talks	4												
Popular articles	20												
Extension Literature	7												
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													
Agri mobile clinic													
Soil test campaigns													
Farm Science Club Conveners meet													
Self Help Group Conveners meetings													
Mahila Mandals Conveners meetings													
Celebration of important days (specify) (World Food Day)	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**

M=Male F=Female T=Total

Proposed production and supply of Technological products

Seed materials:

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

Planting materials:

Sl. No.	Crop	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		
Vegetables	Pointed gourd	Local	1000		
Forest Species					
Ornamental Crops					
Plantation Crops					
Others (specify)	Fodder				

Bioproducts :

Sl. No.	Product Name	Species	Quantity		Value (Rs.)	To be provided to (No. of Farmers)
			No	(kg)		
Bioagents						
1						
2						
3						
Biofertilizers						
1						
2						
3						
Bio Pesticides						
1						
2						
3						

Livestock :

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

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	1000
	“Seujiya Sar-Iyar Byobohar Aru Upokarita” in Assamese	1000
	“Dhankhetit Susanghota Paddhatit Apatrina Neontron” in Assamese	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. Year of establishment : 2008
2. 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	a) Joint Diagnostic visit b) Organization of training camps c) Zonal Workshop to discuss technical problems and solution in different areas d) PRA and other survey works
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	a) Organizing training b) Feedback on training and demonstration needs c) Follow up on the farmers performance after training
District Rural Development Agency, Tinsukia	a) Formation and management of SHGs b) Capacity building for entrepreneurship development in project areas
District Administration, Tinsukia	a) Multidisciplinary Task Force to provide technical and administrative support whenever needed
Ladies Club, Tinsukia	a) Organization of programmes for woman empowerment
District Small Tea Growers Association, Tinsukia	a) Feedback on training and demonstration b) Follow-up on the farmers performance

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) :

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

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

Name Of the crop	Expected Date of sowing	Expected Date of harvest	(ha)Area	Proposed production			Amount (Rs.)	
				Variety	Type of Produce	Qty.	Cost of inputs	Gross income expected
Cereals								
Pulses								
Oilseeds								
Toria	25th October		0.5	TS-38	Seed	3.5q	3000	10500
Fibers								
Spices								
Plantation crops								
Floriculture								
Fruits								
Vegetables								
Others (Specify)								

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

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

Performance of instructional farm (livestock and fisheries production) :

No	Name of the animal / bird / aquatics	Details of expected production		
		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	Oilseeds		Pulses	
	Area (ha)	No. of farmers	Area (ha)	No. of farmers
KVK, Tinsukia	5	25	5	30
Total	5	25	5	30

Training programmes

Area	Farmers/ farm women		Rural youth		Extension personnel	
	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**
KVK, Tinsukia	Rice - 8.0	Toria – 6.0	Black gram- 1.0	
Total	**8.0**	6.0	1.0	

Planting Materials :

KVK	**Quantity (nos)**			
	Fruits	**Vegetable Seedlings**	**Tree Species**	**Ornamental Plants**
	Pineapple- 2000 Nos.	Pointed gourd- 1000		

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)