

# ANNUAL ACTION PLAN

## KVK, DHEMAJI

### October 2010- March 2011

#### 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, Dhemaji Assam Agricultural University P.O.- Silapathar District.- Dhemaji Assam, PIN-787 059	NA	NA	kvkaau_dhemaji@rediffmail.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 P.O.-Assam Agricultural University District-Jorhat, Assam PIN-785 013	0376-2340001, 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. Tarun Ch. Mahanta		9435387014	mahanta_tarun@rediffmail.com

\* = **Mandatory and to be provided without fail.**

Year of sanction of KVK: 2005

**Scientific Staff Position\* (As on 31<sup>th</sup> August, 2010)**

No.	Sanctioned posts	Name of the incumbent	Designation	Discipline	Date of joining	Permanent /Temporary
1	Programme Coordinator	Dr. Tarun Ch. Mahanta	Programme Coordinator	Agronomy	14-06-07	Permanent
2	Subject Matter Specialist	Dr. Manisha Kachari	SMS	Horticulture	07-11-08	
3	Subject Matter Specialist	Mrs. Arifa Momtaz Begum	SMS	Home Science	07-11-08	
4	Subject Matter Specialist	Mr. Pranjali Pratim Neog	SMS	Nematology	07-11-08	
5	Subject Matter Specialist	Mrs. Trishnalee Saikia	SMS	Agril. Economics	07-11-08	
6	Subject Matter Specialist	Mr. Manoj Kumar Chauhan	SMS	Soil Science	10-11-08	
7	Computer Programmer	Mr. Pranabesh Barman	Computer Programmer	Computer	14-11-08	
8	Farm Manager	Mr. Satya Nath Deka	Farm Manager	Plant Pathology	12-01-09	
9	Programme Assistant	Dr. Ashim Saikia	PA	Veterinary	16-03-09	

*\* = 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): 27.0**

No.	Item	Area (ha)
1	Under Buildings	9.0
2.	Under Demonstration Units	1.5
3.	Under Crops	7.0
4.	Orchard/Agro-forestry	8.0
5.	Others (MAP, Som & Sugarcane)	1.5

**SAC meetings proposed for the year**

No.	Proposed Date/Month	Expected Participants	Salient Action Points
1.	23rd July, 2010	25	

**Details of district (2009-10)**

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

No	Farming systems identified
1	Rice-Fish-Vegetables
2	Livestock-Fish-Horticulture
3	Dairy-Vermicompost-Fish-Vegetables
4	Sericulture-Livestock-Horticulture

*\* = 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	North Bank Plain Zone	The soil is developed on alluvium derived from the adjacent Himalayan range by the river Brahmaputra and its tributaries. The soils are mostly sandy loam having medium to high Nitrogen, low in Phosphorus and medium in Potassium content. The pH of the soil varies from 4.8 to 6.0. The topography of the soils is mostly medium land in the plain areas being chronically flood affected. Low land areas towards riverine tract are submerged or flooded due to high rainfall during rainy season. The foot hill region is characterized by undulating topography.

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

No	Agro ecological situation	Characteristics
1	Medium land	Generally flood free but occasionally submerged due to high rainfall. Soils are mostly acidic, clay loam in texture with medium in nitrogen, low in phosphorus and medium in potassium content.
2	Low and Flood affected	Flood plain, submerged almost whole rainy season. Soils are mostly acidic, sandy loam in texture with medium in nitrogen, low in phosphorus and medium in potassium content.
3	Silt deposited area	Flood plain having silt deposition, occasionally submerged. Soils are mostly acidic, silty loam in texture with medium in nitrogen, low in phosphorus and medium in potassium content.
4	Sand deposited area	Flood plain having sand deposition, occasionally submerged. Soils are mostly acidic, sandy in texture with micro nutrient deficiency, medium in nitrogen, low in phosphorus and medium in potassium content. Mild iron toxicity persist.
5	Foothill	Undulating topography. Soils are acidic in nature, sandy in texture with micro nutrient deficiency, medium in nitrogen, low in phosphorus and medium in potassium content.

**Details of Operational area / Villages (2010-11)**

No	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1		Sisiborgaon	Shyamjuli	Paddy, Winter vegetables, Banana, Oilseeds, Maize, Assam lemon	Lack of knowledge in fertilizer application, plant protection, unaware about scientific cultivation practices and proper care of pregnant women and children.	INM, IPM and IDM for sustainable agriculture, Increasing crop productivity through scientific management, Child care and health management of pregnant women. Organic farming Popularization of home made pesticides
2		Sisiborgaon	Chowkhamting	Paddy, Summer & Winter vegetables, betel vine, Oilseeds, pulses	Non judicious use of fertilizer, plant protection, unaware about scientific cultivation practices	INM, IPM and IDM for sustainable agriculture, Increasing crop productivity through scientific management, Popularization of home made pesticides
3		Sisiborgaon	Siligaon	Paddy, sugarcane, winter vegetable, pulses, oilseeds	Improper use of fertilizer, plant protection, lack of knowledge on scientific cultivation practices, unaware about proper care of pregnant women and children.	INM, IPM and IDM for sustainable agriculture, Increasing crop productivity through scientific management, Child care and health management of pregnant women. Popularization of home made pesticides
4		Jonai	Rangpuria	Paddy, summer & winter vegetables, oilseeds,	Imbalance use of fertilizers and plant protection, lack of knowledge on cropping plan before and after flood, lack of knowledge on scientific cultivation practices, post harvest management of vegetables, livestock management	INM, IPM and IDM for sustainable agriculture, Contingency planning for flood prone areas Increasing crop productivity through scientific management, Post harvest management of perishable crops Health management of livestock, poultry and piggery

5		Sisiborgaon	Gormora	Paddy ( <i>Ahu, Sali</i> & Deep water rice), winter vegetables, livestock	Imbalance use of fertilizers and plant protection, lack of knowledge on cropping plan before and after flood, livestock management, lack of knowledge on scientific cultivation practices, unaware about proper care of pregnant women and children, sand & silt deposited soils.	INM, IPM and IDM for sustainable agriculture, Contingency planning for flood prone areas Management of sand/silt deposited areas for better crop yield Increasing crop productivity through scientific management, Post harvest management of perishable crops Health management of livestock, poultry and piggery
6		Sisiborgaon	Amguri	Paddy ( <i>Ahu, Sali</i> & Deep water rice), winter vegetables, livestock	Imbalance use of fertilizers and plant protection, lack of knowledge on cropping plan before and after flood, lack of knowledge on scientific cultivation practices, livestock management, unaware about proper care of pregnant women and children, sand & silt deposited soils.	INM, IPM and IDM for sustainable agriculture, Contingency planning for flood prone areas Management of sand/silt deposited areas for better crop yield Increasing crop productivity through scientific management, Post harvest management of perishable crops Health management of livestock, poultry and piggery
7		Sisiborgaon	Mesu	Winter Paddy, betelvine, summer and winter vegetables,	Imbalance use of fertilizers and plant protection, lack of knowledge on scientific cultivation practices, unaware about proper care of pregnant women and children, post harvest management of vegetables,	INM, IPM and IDM for sustainable agriculture, Contingency planning for flood prone areas Increasing crop productivity through scientific management, Post harvest management of perishable crops Health management of livestock, poultry and piggery Strengthening of SHGs through capacity building
8		Jonai	Somkomg	Paddy ( <i>Ahu, Sali</i> ), winter and summer vegetables	Imbalance use of fertilizers and plant protection, lack of knowledge on scientific cultivation practices, unaware about scientific crop cultivation and proper care of pregnant women and children	INM, IPM and IDM for sustainable agriculture, Contingency planning for flood prone areas Increasing crop productivity through scientific management, Post harvest management of perishable crops Health management of livestock, poultry and piggery Organic farming Popularization of home made pesticides
9		Bordoloni	Rangajan	Winter paddy, summer and winter vegetables, pulses and oilseeds, livestock	Imbalance use of fertilizers and plant protection, lack of knowledge on cropping plan before and after flood, lack of knowledge on scientific cultivation practices, livestock management	INM, IPM and IDM for sustainable agriculture, Contingency planning for flood prone areas Increasing crop productivity through scientific management, Post harvest management of perishable crops Health management of livestock, poultry and piggery Child care and health management of pregnant women.
10		Jonai	Burabhakat	Winter paddy, summer and winter vegetables, pulses and oilseeds, piggery	Imbalance use of fertilizers, plant protection, lack of knowledge on scientific cultivation practices, livestock management, unaware about proper care of pregnant women and children.	INM, IPM and IDM for sustainable agriculture, Increasing crop productivity through scientific management, Health management of livestock, poultry and piggery Child care and health management of pregnant women. Popularization of home made pesticides
11		Sisiborgaon	Naharbari	Winter paddy, summer and winter vegetables, pulses and oilseeds, piggery	Imbalance use of fertilizers, plant protection, lack of knowledge on scientific cultivation practices, livestock management, unaware about proper care of pregnant women and children.	INM, IPM and IDM for sustainable agriculture, Increasing crop productivity through scientific management, Health management of livestock, poultry and piggery Child care and health management of pregnant women. Organic farming Popularization of home made pesticides
12		Bordoloni	Dihingia	winter paddy, summer and winter Vegetable	Imbalance use of fertilizers, plant protection, lack of knowledge on cropping plan before and after flood, lack of knowledge on scientific cultivation practices, livestock management, unaware about proper care of pregnant women and children, sand & silt deposited soils.	INM, IPM and IDM for sustainable agriculture, Increasing crop productivity through scientific management, Management of sand/silt deposited areas for better crop yield Health management of livestock, poultry and piggery Child care and health management of pregnant women.

13		Sisiborgaon	Dimowgolai	Winter paddy, sugarcane, summer and winter vegetables	Imbalance use of fertilizers, plant protection, lack of knowledge on scientific cultivation practices.	INM, IPM and IDM for sustainable agriculture, Increasing crop productivity through scientific management, Health management of livestock, poultry and piggery Organic farming
14		Dhemaji	Bhakatgaon, Hatipara	Paddy, winter and summer vegetables, livestock	Imbalance use of fertilizers and plant protection, unaware about scientific cultivation practices, livestock management	INM, IPM and IDM for sustainable agriculture, Increasing crop productivity through scientific management, Health management of livestock, poultry and piggery
15		Dhemaji	Tegjuri, Bishnupur	Paddy, winter and summer vegetables, livestock	Imbalance use of fertilizers, plant protection, unaware about scientific cultivation practices, Livestock management	INM, IPM and IDM for sustainable agriculture, Increasing crop productivity through scientific management, Health management of livestock, poultry and piggery
16		Sisiborgan	Silabali gaon	Paddy, summer and winter vegetables	Imbalance use of fertilizers, plant protection, unaware about scientific cultivation practices, Livestock management	INM, IPM and IDM for sustainable agriculture, Increasing crop productivity through scientific management, Health management of livestock, poultry and piggery Organic farming
17		Jonai	Udaypur	Paddy, summer and winter vegetable, betelvine, livestock	Imbalance use of fertilizers, plant protection, unaware about scientific cultivation practices, Livestock management	INM, IPM and IDM for sustainable agriculture, Increasing crop productivity through scientific management, Health management of livestock, poultry and piggery Organic farming Popularization of home made pesticides
18		Sissiborgaon	Bokajan	Paddy, summer and winter vegetable, black piper, citrus, livestock	Imbalance use of fertilizers and plant protection, unaware about scientific cultivation practices, live stock management	Integrated Nutrient Management, Integrated Pest and Disease Management Increasing crop productivity through scientific management, Health management of livestock, poultry and piggery
19		Jonai	Puranajelam	Paddy, maize, fruit crops, summer and winter vegetable, pulses and oilseed, livestock	Imbalance use of fertilizers and plant protection, unaware about scientific cultivation practices, live stock management	Integrated Nutrient Management, Integrated Pest and Disease Management Increasing crop productivity through scientific management, Health management of livestock, poultry and piggery
20		Jonai	Baghgaon	Paddy, dominated with summer vegetable and mostly potato cultivation in winter, livestock	Imbalance use of fertilizers and plant protection, unaware about scientific cultivation practices, live stock management, unaware about proper care of pregnant women and children.	Integrated Nutrient Management, Integrated Pest and Disease Management Increasing crop productivity through scientific management, Health management of livestock, poultry and piggery, Child care and health management of pregnant women.
21		Machkowa	Machkowa	Paddy, mustard, vegetable, livestock	Imbalance use of fertilizers and plant protection, unaware about scientific cultivation practices, live stock management	Integrated Nutrient Management, Integrated Pest and Disease Management Increasing crop productivity through scientific management, Health management of livestock, poultry and piggery
22		Jonai	Namkir Naharani	Paddy, Vegetables, pulse	Imbalance use of fertilizers, plant protection, lack of knowledge on cropping plan before and after flood, lack of knowledge on scientific cultivation practices	Integrated Nutrient Management, Integrated Pest and Disease Management Increasing crop productivity through scientific management
23		Sissiborgaon	Kopahtali	Paddy, Vegetables	Imbalance use of fertilizers, plant protection, lack of knowledge on cropping plan before and after flood, lack of knowledge on scientific cultivation practices	Integrated Nutrient Management, Integrated Pest and Disease Management Increasing crop productivity through scientific management, Integrated farming system

24		Sissiborgaon	Gai Deuri Gaon	Paddy, Vegetables	Imbalance use of fertilizers, plant protection, lack of knowledge on cropping plan before and after flood, lack of knowledge on scientific cultivation practices	Integrated Nutrient Management, Integrated Pest and Disease Management Increasing crop productivity through scientific management, Integrated farming system
25		Sissiborgaon	Borpathar	Paddy, summer and winter vegetable, pulses and oilseed, livestock	imbalance use of fertilizers, plant protection, lack of knowledge on cropping plan before and after flood, lack of knowledge on scientific cultivation practices	Integrated Nutrient Management, Integrated Pest and Disease Management Increasing crop productivity through scientific management, Integrated farming system
26		Sissiborgaon	Oiramghat	Paddy, summer and winter vegetable, pulses and oilseed, livestock	Imbalance use of fertilizers, plant protection, lack of knowledge on cropping plan before and after flood, lack of knowledge on scientific cultivation practices	Integrated Nutrient Management, Integrated Pest and Disease Management Increasing crop productivity through scientific management, Integrated farming system
27		Simenchapori	Tadunia	Paddy, summer and winter vegetable, pulses and oilseed, livestock	Imbalance use of fertilizers, plant protection, lack of knowledge on cropping plan before and after flood, lack of knowledge on scientific cultivation practices	Integrated Nutrient Management, Integrated Pest and Disease Management Increasing crop productivity through scientific management, Integrated farming system
28		Simenchapori	Loglung	Paddy, summer and winter vegetable, pulses and oilseed, livestock	Imbalance use of fertilizers, plant protection, lack of knowledge on cropping plan before and after flood, lack of knowledge on scientific cultivation practices	Integrated Nutrient Management, Integrated Pest and Disease Management Increasing crop productivity through scientific management, Integrated farming system

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

Rank	Thrust area
1	Integrated Nutrient Management.
2	Integrated Pest and Disease Management
3	Management of silt/sand deposited areas for better crop yield
4	Increasing crop productivity through scientific management
5	Contingency planning for flood prone areas
6	Health management of livestock, poultry and piggery
7	Popularization of indigenous and home made pesticides
8	Entrepreneurship development for rural youth
9	Child care and health management of pregnant women.
10	Strengthening of SHGs through capacity building
11	Exploration of better marketing avenues
12	Sericulture
13	Integrated farming system
14	Post harvest management of perishable crops
15	Farm mechanization to reduce drudgery for farm women
16	Value addition to different handloom products

**PART – II  
(OFT AND FLD)**

**2. Technical activities proposed**

**Details of proposed On Farm Trials**

No	Title of OFTs	Problem diagnosis	Technology selected	Assessment (and/ or) refinement (write A or R)	Source of technology	Year of release	Production system	Thematic area	Performance indicators
1	Management of bacterial wilt in tomato /brinjal	High incidence of disease	Seed treatment (1g per 10g seed), root treatment 1g in 2 ltr for 1000 seedlings) and soil application (10g +100 g compost per plant) with Biofro-Pf	A	AAU	Under pipeline	Plant Protection	Bio-control of Pest & Disease	Infected plant, yield
2	Performance of brinjal var. RCMBL-1	Low production of local and non descript brinjal varieties	Variety- RCMBL-1	A	Horticulture division of ICAR, Barapani		Horticulture	Varietal evaluation	Growth parameters and yield
3	Chemical castration of pigs	Mortality and other infections in pigs due to castration by local methods	KMnO4 0.25 g in 100 ml of solution (Sol. Glacial acetic acid 17 ml + Dist. Water 83 MI), and Inter Testicular injection of 2.00 to 2.50 ml to each piglet	A	ICAR Res. Complex for NE Region, Barapani	2008	Swine production	Piggery management	To observe the incidence of infections and to compare with other methods, Growth parameters
4	Management of root-knot nematode in direct seeded ahu rice	Low yield	Neem cake @ 100 g/m <sup>2</sup> 15 days prior to sowing Carbofuron 3 G 1 kg a.i /ha at sowing and 50 DAS	A	AICRP on plant parasitic nematodes, AAU	Under pipeline	Plant Protection	Integrated pest and disease management	Nematode population in soil, gall index, yield
5	Performance of Megha Ashgourd- 1,2	Low production of local variety	Variety- Megha Ashgourd- 1,2	A	ICAR, Borapani		Horticulture	Varietal evaluation	Growth parameters and yield
6	Potash management in lentil	Imbalance use of nutrient	15:35:15 kg NPK/ha +PSB (seed treatment) @400 kg/ha	A	RARS,AAU		Soil health and Fertility management	Integrated Nutrient management	Days to 50% flowering, plant height, Yield and farmers reaction
7	Rice cultivation in pre flood situation	Long duration of normal Ahu rice	Disang/Luit	A	RARS, TTB	2005	Crop Production	Integrated crop management	Days to 50% flowering, Plant height, disease and pest , grain yield
8	Boro rice cultivation	Low production of local and non descript varieties	NBR 2, NBR 3	A	RARS, TTB	2005	Crop Production	Integrated crop management	Days to 50% flowering, Plant height, disease and pest , grain yield
9	Cultivation of Para/ Guinea/ Setaria grasses	Non availability of quality fodder grass in the district	Hamil, PGG 3, PGG 9/ Nandi, Narak/ Local	A	AICRP on Forage Crops, AAU, Jorhat	NA	Segregation/ splitting of grasses	Feed Production	Growth parameters, Yields (Kg or qnl./ha)

**Details of proposed Frontline Demonstrations**

No	Title of FLDs	Problem diagnosis	Technology selected	Assessed (and/ or) Refined earlier (write A or R)	Year of assessment / refinement	No. of farmers/demonstrations proposed	Source of technology	Year of release	Production system	Thematic area	Performance indicators
1	Homestead method of azolla cultivation	Low availability of organic inputs	Production of azolla by homestead method	A		3	AAU Deptt. Of soil science	-	Soil health and fertility management	Integrated nutrient management	Yield/ pit
2	Mat Nursery for raising Ahu rice seedling	High cost in raising quality seedlings and drudgery	Mat nursery	A		3	AAU		Crop production	Nursery management	Uprooting rate (time)
3	Offseason cultivation Assam lemon	Low production of lemon in off season	Mulching technology	A		3	AAU		Horticulture	Fruit crop	Growth parameters and yield
4	Improvisation of household storage of paddy	Drudgery of the farm women	Improved storage structure	A		3	AAU		Crop production	Storage loss minimization technique	Drudgery, comfortability and time requirement
5	Improved spreading tool for sun drying of grains	Drudgery of the farm women	Improved spreading stucture	A		5	AAU		Crop production	Drudgery reduction technology	Drudgery, comfortability and time requirement

**Extension and Training activities proposed under FLD (if any)**

No.	Activity	No. of activities proposed	Date/month	Number of participants expected
1	Field days	10	Crop harvesting month	250
2	Farmers Training	2	Cropping season	50
3	Media coverage	8		



## FLD on Enterprises

### Farm Implements: NA

Name of the implement	crop	No. of farmers/demonstrations	Area (ha)	Performance indicators

### Livestock Enterprises:

Enterprise	Breed	No. of farmers/demonstrations	No. of animals, poultry birds etc.	Performance parameters*
Poultry	Banraja	10	100	1. Weight of birds, 2. Age at 1st lay, 3. Av. Annual egg production

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

### Other Enterprises

Enterprise	Variety/ breed/Species/others	No. of farmers/demonstrations	No. of Units	Performance parameters
Mushroom	P. sajarcaju/ P. florida/ P. cornucopiae	30	3	Fresh weight of mushroom
Apiary				
Sericulture				

### Abstract of interventions proposed

No	Thrust area	Crop/ Enterprise	Identified Problem	Proposed Interventions (Give titles)						
				OFTs	FLDs	Trainings	Training for Extn Personnel	Extension activities	Supply of seeds, planting materials etc.	
1	IPM and IDM for sustainable agriculture,	Vegetable crops	Bacterial wilt in tomato	Management of bacterial wilt in tomato /brinjal						Seeds, fertilizers, plant protection measures
2	Increasing crop productivity through scientific management	vegetables	Low production of local and non descript brinjal varieties	Performance of brinjal var. RCMBL-1						Seeds, fertilizers, plant protection measures
3	Health management of livestock, poultry and piggery	Animal science	Lack of management in piggery	Chemical castration of pigs						Inputs related to chemical castrationchemical
4	IPM and IDM for sustainable agriculture,	Field crops	Root-knot nematode disease in green gram	Management of root-knot nematode in direct seeded ahu rice			Training			Seeds, fertilizers, plant protection measures
5	Increasing crop productivity through scientific management	vegetables	Low production of local and non descript varieties	Performance of Megha Ashgourd- 1,2						Seeds, fertilizers, plant protection measures
6	Integrated nutrient management	Field crops	Imbalance use of nutrient	Potash management in lentil						Seeds, fertilizers, plant protection measures

7	Increasing crop productivity through scientific management	Field crops	Flood damage of normal ahu	Rice cultivation in pre flood situation		Training			Seeds, fertilizers, plant protection measures
8	Increasing crop productivity through scientific management	Field crops	Low production of local and non descript varieties	Boro rice cultivation		Training			Seeds, fertilizers, plant protection measures
9	Integrated nutrient management	Fodder crops	Imbalance use of nutrient		Homestead method of azolla cultivation			Field Day	Seeds/planting materials, fertilizers
10	Farm mechanization to reduce drudgery for farm women	Field crops	High cost in raising quality seedlings and drudgery		Mat Nursery for raising Ahu rice seedling			Field Day	Seeds, fertilizers, plant protection measures
11	Health management of livestock, poultry and piggery	Fodder crop	Non availability of quality fodder grass in the district		Cultivation of Para/ Guinea/ Setaria grasses	Training		Field Day	Planting material, Fertilizers
12	Entrepreneurship development for rural youth	Fruit crop	Low production of lemon in off season		Off season cultivation Assam lemon	Training		Field day	Seeds, polythene and Fertilizers
13	Farm mechanization to reduce drudgery for farm women	Field crops	Drudgery of the farm women		Improvisation of household storage of paddy	Training		Field Day	Seed protection measures
14	Farm mechanization to reduce drudgery for farm women	Field crops	Drudgery of the farm women		Improved spreading tool for sun drying of grains	Training		Field Day	Spreading tools

**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: NA**

**Off Campus**

Thematic area	Courses (No)	No. of participants									Grand Total
		Others			SC			ST			
		Male	Female	Total	Male	Female	Total	Male	Female	Total	
<b>(A) Farmers &amp; Farm Women</b>											
<b>I Crop Production</b>											
Weed Management											
Nutrient Management	4	20	15	35				40	25	65	100
Resource Conservation Technologies											
Cropping Systems	1	10	5	15				8	2	10	25
Crop Diversification											
Integrated Farming systems (Agril. Economics)	2	14	12	26				10	14	24	50
Water management											
Seed production											
Nursery management											
Integrated Crop Management	2	20	6	26				14	10	24	50
Fodder production											
Production of organic inputs											
<b>II Horticulture</b>											
<b>a) Vegetable Crops</b>											
Production of low volume and high value crops											
Off-season vegetables											
Nursery raising											
Exotic vegetables production											
Production of export potential vegetables	1	9	6	15	3		3	7		7	25
Grading and standardization											
Protective cultivation (Green Houses, Shade Net etc.)											

<b>b) Fruits</b>											
Training											
Pruning											
Layout and Management of Orchards	1	6	4	10				10	5	15	25
Cultivation of Fruit crops	1	5	3	8	2	2	4	10	3	13	25
Management of young plants/orchards											
Rejuvenation of old orchards											
Cultivation of export potential fruits											
Micro irrigation systems of orchards											
Plant propagation techniques	1	8	2	10	1	1	2	11	2	13	25
<b>c) Ornamental Plants</b>											
Nursery Management											
Management of potted plants											
Production of export potential ornamental plants											
Propagation techniques of Ornamental Plants											
<b>d) Plantation crops</b>											
Production and Management technology											
Processing and value addition											
<b>e) Tuber crops</b>											
Production and Management technology	1	11	5	16				6	3	9	25
Processing and value addition											
<b>f) Spices</b>											
Production and Management technology											
Processing and value addition											
<b>g) Medicinal and Aromatic Plants</b>											
Nursery management											
Production and management technology											
Post harvest technology and value addition											
<b>III Soil Health and Fertility Management</b>											
Soil fertility management											
Soil and Water Conservation											
Integrated Nutrient Management	2	25	5	30				12	8	20	50
Production and use of organic inputs											
Management of Problematic soils	1	18	2	20				5		5	25

Micro nutrient deficiency in crops											
Nutrient Use Efficiency											
Soil and Water Testing	2	15	10	25				20	5	25	50
<b>IV Livestock Production and Management</b>											
Dairy Management	1	12	3	15				10		10	25
Poultry Management											
Piggery Management	1	10	2	12	3	3	6	7		7	25
Rabbit Management											
Disease Management	1	12		12				8	5	13	25
Feed management	1	10	5	15				10		10	25
Production of quality animal products											
<b>V Home Science/Women empowerment</b>											
Household food security by nutrition gardening	1		15	15					10	10	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	1		17	17					8	8	25
Storage loss minimization techniques	1		20	20					5	5	25
Value addition	1		9	9					16	16	25
Income generation activities for empowerment of rural Women	2		34	34					16	16	50
Location specific drudgery reduction technologies											
Rural Crafts											
Women and child care											
<b>VI Agricultural Engineering</b>											
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											
<b>VII Plant Protection</b>											
Integrated Pest Management	5	55	20	75				35	15	50	125

Disease Management	3	20	10	30	15	5	20	25		25	75
Bio-control of pests and diseases	1	20	5	25							25
Production of bio control agents and bio pesticides											
<b>VIII Fisheries</b>											
Integrated fish farming	1	9	3	12				7	6	13	25
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											
<b>IX Production of Inputs at site</b>											
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											
<b>X Capacity Building and Group Dynamics</b>											
Leadership development in villages											
Managing Group dynamics											
Formation and Management of SHGs (Agril. Economics)	2	10	16	26				6	18	24	50
Mobilization of social capital in villages											

Entrepreneurial development of farmers/youths (Agril. Economics)	1	8	4	12				4	9	13	25
WTO and IPR issues											
<b>XI Agro-forestry</b>											
Production technologies											
Nursery management											
Integrated Farming Systems											
<b>XII Others (PI. Specify)</b>											
<b>TOTAL</b>	<b>42</b>	<b>327</b>	<b>238</b>	<b>565</b>	<b>24</b>	<b>11</b>	<b>35</b>	<b>265</b>	<b>185</b>	<b>450</b>	<b>1050</b>
<b>(B) RURAL YOUTH</b>											
Mushroom Production	4	24	24	48				20	32	52	100
Bee-keeping											
Integrated farming											
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	1	6	2	8	3		3	8	6	14	25
Training and pruning of orchards											
Value addition	1		10	10		5	5		10	10	25
Production of quality animal products											
Dairying											
Sheep and goat rearing											
Quail farming											
Piggery											
Rabbit farming											
Poultry production	2	10	6	16	5	5	10	18	6	24	50
Ornamental fisheries											
Training as Para vets											
Training as Para extension workers											
Composite fish culture	2	12	4	16	7	4	11	17	6	23	50
Freshwater prawn culture											
Fish harvest and processing technology											
Fry and fingerling rearing											
Small scale processing											
Post Harvest Technology											
Tailoring and Stitching											
Rural Crafts											
<b>TOTAL</b>	<b>10</b>	<b>52</b>	<b>46</b>	<b>98</b>	<b>15</b>	<b>14</b>	<b>29</b>	<b>63</b>	<b>60</b>	<b>123</b>	<b>250</b>
<b>(C) Extension Personnel</b>											
Productivity enhancement in field crops											

Integrated Pest Management	1	6	2	8	4	3	7	8	2	10	25
Integrated Nutrient management	1	4	2	6	5	2	7	10	2	12	25
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											
Production and use of organic inputs											
Gender mainstreaming through SHGs											
Any other (Pl. Specify)											
<b>TOTAL</b>	<b>2</b>	<b>10</b>	<b>4</b>	<b>14</b>	<b>9</b>	<b>5</b>	<b>14</b>	<b>18</b>	<b>4</b>	<b>22</b>	<b>50</b>

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

Thematic area	Courses (No)	No. of participants									Grand Total
		Others			SC			ST			
		Male	Female	Total	Male	Female	Total	Male	Female	Total	
<b>(A) Farmers &amp; Farm Women</b>											
<b>I Crop Production</b>											
Weed Management											
Nutrient Management	4	20	15	35				40	25	65	100
Resource Conservation Technologies											
Cropping Systems	1	10	5	15				8	2	10	25
Crop Diversification											
Integrated Farming systems (Agril. Economics)	2	14	12	26				10	14	24	50
Water management											
Seed production											
Nursery management											
Integrated Crop Management	2	20	6	26				14	10	24	50
Fodder production											
Production of organic inputs											
<b>II Horticulture</b>											
<b>a) Vegetable Crops</b>											
Production of low volume and high value crops											



Off-season vegetables											
Nursery raising											
Exotic vegetables production											
Production of export potential vegetables	1	9	6	15	3		3	7		7	25
Grading and standardization											
Protective cultivation (Green Houses, Shade Net etc.)											
<b>b) Fruits</b>											
Training											
Pruning											
Layout and Management of Orchards	1	6	4	10				10	5	15	25
Cultivation of Fruit crops	1	5	3	8	2	2	4	10	3	13	25
Management of young plants/orchards											
Rejuvenation of old orchards											
Cultivation of export potential fruits											
Micro irrigation systems of orchards											
Plant propagation techniques	1	8	2	10	1	1	2	11	2	13	25
<b>c) Ornamental Plants</b>											
Nursery Management											
Management of potted plants											
Production of export potential ornamental plants											
Propagation techniques of Ornamental Plants											
<b>d) Plantation crops</b>											
Production and Management technology											
Processing and value addition											
<b>e) Tuber crops</b>											
Production and Management technology	1	11	5	16				6	3	9	25
Processing and value addition											
<b>f) Spices</b>											
Production and Management technology											
Processing and value addition											
<b>g) Medicinal and Aromatic Plants</b>											
Nursery management											
Production and management technology											
Post harvest technology and value addition											
<b>III Soil Health and Fertility Management</b>											

Soil fertility management											
Soil and Water Conservation											
Integrated Nutrient Management	2	25	5	30				12	8	20	50
Production and use of organic inputs											
Management of Problematic soils	1	18	2	20				5		5	25
Micro nutrient deficiency in crops											
Nutrient Use Efficiency											
Soil and Water Testing	2	15	10	25				20	5	25	50
<b>IV Livestock Production and Management</b>											
Dairy Management	1	12	3	15				10		10	25
Poultry Management											
Piggery Management	1	10	2	12	3	3	6	7		7	25
Rabbit Management											
Disease Management	1	12		12				8	5	13	25
Feed management	1	10	5	15				10		10	25
Production of quality animal products											
<b>V Home Science/Women empowerment</b>											
Household food security by nutrition gardening	1		15	15					10	10	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	1		17	17					8	8	25
Storage loss minimization techniques	1		20	20					5	5	25
Value addition	1		9	9					16	16	25
Income generation activities for empowerment of rural Women	2		34	34					16	16	50
Location specific drudgery reduction technologies											
Rural Crafts											
Women and child care											
<b>VI Agricultural Engineering</b>											
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											
<b>VII Plant Protection</b>											
Integrated Pest Management	5	55	20	75				35	15	50	125
Disease Management	3	20	10	30	15	5	20	25		25	75
Bio-control of pests and diseases	1	20	5	25							25
Production of bio control agents and bio pesticides											
<b>VIII Fisheries</b>											
Integrated fish farming	1	9	3	12				7	6	13	25
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											
<b>IX Production of Inputs at site</b>											
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											

<b>X Capacity Building and Group Dynamics</b>											
Leadership development in villages											
Managing Group dynamics											
Formation and Management of SHGs (Agril. Economics)	2	10	16	26			6	18	24	50	
Mobilization of social capital in villages											
Entrepreneurial development of farmers/youths (Agril. Economics)	1	8	4	12			4	9	13	25	
WTO and IPR issues											
<b>XI Agro-forestry</b>											
Production technologies											
Nursery management											
Integrated Farming Systems											
<b>XII Others (Pl. Specify)</b>											
<b>TOTAL</b>	<b>42</b>	<b>327</b>	<b>238</b>	<b>565</b>	<b>24</b>	<b>11</b>	<b>35</b>	<b>265</b>	<b>185</b>	<b>450</b>	<b>1050</b>
<b>(B) RURAL YOUTH</b>											
Mushroom Production	4	24	24	48			20	32	52	100	
Bee-keeping											
Integrated farming											
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	1	6	2	8	3		3	8	6	14	25
Training and pruning of orchards											
Value addition	1		10	10		5	5	10	10	25	
Production of quality animal products											
Dairying											
Sheep and goat rearing											
Quail farming											
Piggery											
Rabbit farming											
Poultry production	2	10	6	16	5	5	10	18	6	24	50
Ornamental fisheries											
Training as Para vets											
Training as Para extension workers											
Composite fish culture	2	12	4	16	7	4	11	17	6	23	50
Freshwater prawn culture											
Fish harvest and processing technology											
Fry and fingerling rearing											



**PART – IV**

**(EXTENSION Activities AND PRODUCTION OF SEED AND PLANTING MATERIALS)**

**4. Proposed Extension Activities for the year 2010-11 (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	8	132	18	150	4	1	5	42	8	50	178	27	205
Kisan Mela													
Kisan Gosthi													
Exhibition													
Film Show													
Method Demonstrations	4	31	4	35	4	-	4	11	4	15	46	8	54
Diagnostic visits	10	25	5	30	15	10	25	15	10	25	55	25	80
Exposure visits	5												
Ex-trainees Sammelan	1	30	5	35	5	-	5	8	2	10	43	7	50
Soil health Camp													
Animal Health Camp	2	30	10	40	10	0	10	25	5	30	65	15	80
Agri mobile clinic													
Soil test campaigns	2	15	5	20	2	1	3	25	2	27	42	8	50
Farm Science Club Conveners meet													
Self Help Group Conveners meetings													
Mahila Mandals Conveners meetings													
Celebration of important days (specify)	3	50	10	60	4	1	5	15	5	20	69	16	85
Any Other (Specify) Radio talks	6												
<b>Total</b>	<b>41</b>	<b>313</b>	<b>57</b>	<b>370</b>	<b>44</b>	<b>13</b>	<b>57</b>	<b>141</b>	<b>36</b>	<b>177</b>	<b>498</b>	<b>106</b>	<b>604</b>
<b>M=Male</b>	<b>F=Female</b>	<b>T=Total</b>											

**Proposed production and supply of Technological products**

**Seed materials: NA**

Sl. No.	Crop	Variety	Proposed Quantity (qtl.)	Value (Rs.)	To be provided to (No. of Farmers)
<b>Cereals</b>					
<b>Oilseeds</b>					
<b>Pulses</b>					
<b>Vegetables</b>					
<b>Flower Crops</b>					
<b>Others (Specify)</b>					

Planting materials: NA

Sl. No.	Crop	Variety	Quantity (Nos.)	Value (Rs.)	To be provided to (No. of Farmers)
Fruits					
Spices					
Vegetables					
Forest Species					
Ornamental Crops					
Plantation Crops					
Others (specify)					

Bioproducts : NA

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

Livestock: NA

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		2
News letters		1
Technical bulletins		4
Popular articles		15
Extension literature		5
Others (Pl. specify)		
<b>Total</b>		<b>27</b>

**Details of Electronic Media proposed : NA**

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 : 15
- iii. No. of surveys/PRA to be conducted : 2

**Proposed activities of Soil and Water Testing Laboratory**

- Status of establishment of Lab** : NA
- 1. Year of establishment : NA
- 2. Details of samples to be analyzed : NA

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



**PART – V**  
**(LINKAGES WITH OUTSIDE ORGANIZATIONS)**

**5. Proposed Linkages**

**Functional linkage with different organizations**

Name of organization	Nature of linkage
1. Department of Agriculture, Dhemaji, Govt. of Assam	In planning and organizing training programme, demonstrations, field days, farmers-Scientist interaction, resource personnel for Zonal Workshop/ DLTC, District ATMA diagnostic survey, C-DAP preparation and in implementing various schemes.
2. Department of Animal Husbandry, Govt. of Assam	In planning and implementing training programme and also organizing rural camp for vaccination of farm animals.
3. Regional Agril. Research Station, AAU, North Lakhimpur	For planning and exhibition of on farm trials, trainings and conducting joint survey for identification of thrust areas for research.
4. District Fishery Deptt. Dhemaji, Govt. of Assam	In planning and organizing training programme
5. Rural Volunteer Centre (NGO), Akajan, Silapathar, Dhemaji	Selecting of sites and conducting FLD, OFT, implementing NAIP (AFPRO) programme.
6. Deptt. of Sericulture, Govt. of Assam	For conducting training and demonstration, C-DAP Report preparation
7. Deptt. of Social welfare, Dhemaji	For conducting training
8. All India Radio & Doordarshan Kendra, Dibrugarh	For coverage of rural programme and members of advisory committee meeting.
9. DRDA	For capacity building and infrastructure support to the SHGs
10. District Health Department	Collaborative programme on human health and nutrition through National Rural Health Mission.
11. Soil Conservation Department	Collaborative programme on plantation crops

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.)
NAIP, Component-3	April, 2009	NAIP, ICAR	

**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	As resource person

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

S. No.	Programme	Nature of linkage proposed
1	Training	As resource person

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): NA

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: NA

Name Of the crop	Expected Date of sowing	Expected Date of harvest	Area (ha)	Proposed production			Amount (Rs.)	
				Variety	Type of Produce	Qty.	Cost of inputs	Gross income expected
Cereals								
Pulses								
Oilseeds								
Fibers								
Spices								
Plantation crops								
Floriculture								
Fruits								
Vegetables								
Others (Specify)								

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

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

Performance of instructional farm (livestock and fisheries production) : NA

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

## PART – VII (SUMMARY)

### 7. Summary

Targets for 2009-10 for KVK, Dhemaji

#### On Farm Trials

Thematic areas	Cereals	Pulses/ oilseeds	Vegetables	Fruits	Total
Varietal Evaluation			2		2
Integrated Nutrient Management		1			1
Integrated Pest Management	1		1		2
Biofertilisers					
Water Management					
Fisheries					
Animal Science	1				2
Others (Integrated crop management)	2				2
<b>Grand total</b>	<b>4</b>	<b>1</b>	<b>3</b>		<b>9</b>

#### FLDs on oilseed and pulse crops

Name of KVK	Oilseeds		Pulses	
	Area (ha)	No. of farmers	Area (ha)	No. of farmers
KVK, Dhemaji	5	20	5	20
<b>Total</b>	<b>5</b>	<b>20</b>	<b>5</b>	<b>20</b>

### Training programmes

Area	Farmers/ farm women		Rural youth		Extension personnel	
	Courses	Participants	Courses	Participants	Courses	Participants
Crop Production	7	175				
Horticulture	5	125	1	25		
Plant Protection	9	225			1	25
Home Science	6	150				
Animal Science	4	100	2	50		
Soil Science	5	125			1	25
Agril Engineering						
Bee Keeping						
Mushroom Cultivation			4	100		
Agro forestry						
Others						
Agril. Eco.	5	125	1	25		
Fishery	1	25	2	50		
<b>Total</b>	<b>42</b>	<b>1050</b>	<b>10</b>	<b>250</b>	<b>2</b>	<b>50</b>

### Extension Activities

Activity	Nos
Field days	8
Kisan Mela	-
Exhibition	-
Exposure visit	5
Extension literature	4
Scientist farmers' interaction	2
Ex-trainees meet	1
Advisory services	60
Newspaper coverage	8
TV show	1
Radio talk	6
Others- Impact study of FLDs conducted under the KVK	3
<b>Total</b>	<b>98</b>

Seed Production: NA

KVK	Quantity (qtl)			
	Cereals	Oilseeds	Pulses	Vegetables
KVK, Dhemaji				
<b>Total</b>				

Planting Materials : NA

KVK	Quantity (nos)			
	Fruits	Vegetable Seedlings	Tree Species	Ornamental Plants
KVK, Dhemaji				
<b>Total</b>				

Signature of Programme coordinator,  
KVK, Dhemaji