

**ANNUAL ACTION PLAN OF KVKS, 2013-14**

**KVK:** Tinsukia    **STATE:** Assam

**HOST ORGANISATION:** Assam Agriculture University, Jorhat

**Mandated activities (Abstract)**

**Discipline: Agronomy**

Activities	Thematic Area	Crop/ cropping System	Target			Achievement		
			OFT (No.)	Trial (No.)	Area (ha)	OFT (No.)	Trial (No.)	Area (ha)
OFT	Varietal performance	Rice- Rice Rice- toria	1 1	5 3	1 0.4			
	Integrated Weed Mgmt							
	Integrated Nutrient Mgt							
	Water Mgmt							
	Tillage Mgmt/Farm Machinery							
	Any other (Please specify) lowering seed rate of lentil							

Activities	Thematic Area	Crop/ cropping System	Target		Achievement	
			FLD (No.)	Area (ha.)	FLD (No.)	Area (ha.)
FLD	Varietal performance	Sugarcane	1	0.13		
	Integrated Weed Mgmt	Black gram	3	1.0		
	Integrated Nutrient Mgmt	Rice	3	2.0		
	Water Mgmt	Toria	3	2.0		
	Tillage Mgmt/Farm Machinery					
	Any other (Please specify) SRI technology					

Training activities (under Agronomy)	Participants	Target		Achievement	
		No. of programmes	No. of beneficiary	No. of programmes	No. of beneficiary
	Rural youth				
	Farmers	14			
	Farm women				
	Extension personnel	1			
	Civil society				
	Any other (Pl. specify)				
Vocational programmes	Rural youth				
	Farmers				
	Farm women				
	Extension personnel				

	Civil society				
	NGO				
	Any other (Pl. specify)				
<b>Sponsored programmes</b>	Rural youth				
	Farmers				
	Farm women				
	Extension personnel				
	Civil society				
<b>Activity (under Agronomy)</b>	<b>Thematic area</b>	<b>Target</b>		<b>Achievement</b>	
		<b>No. of demonstration</b>	<b>No. of beneficiary</b>	<b>No. of demonstration</b>	<b>No. of beneficiary</b>
Method demonstration	1.Farm machinery	1			
Diagnostic visits	1.INM	7			
	2.Weed management	3			

#### SEED PRODUCTION (FIELD CROPS)

<b>Crop</b>	<b>Variety</b>	<b>Quantity (qt)</b>	
		<b>Target</b>	<b>Achievements</b>
Rice, Black gram, Toria		30	
Fodder		4000	

#### DISCIPLINE: HORTICULTURE

<b>Activities</b>	<b>Thematic Area</b>	<b>Crop/ cropping System</b>	<b>Target</b>			<b>Achievement</b>		
			<b>OFT (No.)</b>	<b>Trial (No.)</b>	<b>Area (ha)</b>	<b>OFT (No.)</b>	<b>Trial (No.)</b>	<b>Area (ha)</b>
OFT	Varietal performance	Rice- Vegetables	1	3	0.5			
		Turmeric	1	3	0.5			
	Integrated Nutrient Mgmt							
	Integrated Weed Mgmt	Vegetable	1	3	1.0			
	Orchard Rejuvenation							
	Post harvest							
	Value addition							
	Canopy mgmt.	Orange	1	3	1.0			
	Landscaping							
	Mechanization							
Mechanical plucking	Tea	1	2	0.13				
Any other (Pl. Specify)	Tea + Khasi mandarin	1	2	0.13				
Mixed cropping of Tea with Khasi mandarin								

<b>Activities</b>	<b>Thematic Area</b>	<b>Crop/ cropping System</b>	<b>Target</b>	<b>Achievement</b>
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			FLD (No.)	Area (ha.)	FLD (No.)	Area (ha.)
FLD	Varietal performance					
	Integrated Nutrient Mgmt	Tea	2	0.20		
	Integrated Weed Mgmt					
	Orchard Rejuvenation					
	Post harvest					
	Value addition					
	Canopy mgmt.					
	Landscaping					
	Mechanization					
	Any other (Pl. Specify) De- Navelling Cultivation of tissue culture	Banana Banana	1 1	0.5 0.5		

Training activities (under Horticulture)	Participants	Target		Achievement	
		No. of programmes	No. of beneficiary	No. of programmes	No. of beneficiary
Short term courses	Rural youth	2			
	Farmers	23			
	Farm women				
	Extension personnel				
	Civil society				
	Any other (Pl. specify)				
Vocational programmes	Rural youth	1			
	Farmers				
	Farm women				
	Extension personnel				
	Civil society				
	NGO				
	Any other (Pl. specify)				
Sponsored programmes	Rural youth				
	Farmers				
	Farm women				
	Extension personnel				
	Civil society				
	Any other (Pl. specify)				

Activity (under Horticulture)	Thematic area	Target		Achievement	
		No. of demonstration	No. of beneficiary	No. of demonstration	No. of beneficiary
Method demonstration	1. Fertilizer management	3			
	2.Others pruning				
	3.Training etc				
Diagnostic visits	1.Rejuvenation	5			
	2.Pest management	10			

**PRODUCTION OF PLANTING MATERIALS/ SEED: (VEG/ SPECIES)**

Crop/ Trees	Variety	Quantity (No/ qt)	
		Target	Achievements
Fruit + vegetable		1800 nos	
Tea		1000 nos	

DISCIPLINE: SOIL SCIENCE

Activities	Thematic Area	Crop/ cropping System	Target			Achievement		
			OFT (No.)	Trial (No.)	Area (ha)	OFT (No.)	Trial (No.)	Area (ha)
OFT	Soil health	Rice (Green manure)	1	3	0.20			
	Soil management							
	Soil testing							
	Soil amendment (Lime/ Others)	Rice- Toria 1	20.5					
	Soil biology (BGA/ Azolla)	Rice	1	3	0.20			
	Soil microbes (beneficial)							
	Water harvesting							

Activities	Thematic Area	Crop/ cropping System	Target		Achievement	
			FLD (No.)	Area (ha.)	FLD (No.)	Area (ha.)
FLD	Soil health					
	Soil management	Khasi mandarin	1	0.13		
	Soil testing					
	Soil amendment (Lime/ Others)	Pulses	2	2.0		
	Soil biology (BGA/ Azolla)					
	Soil microbes (beneficial)					

Training activities (under Soil Science)	Participants	Target		Achievement	
		No. of programmes	No. of beneficiary	No. of programmes	No. of beneficiary
Short term courses	Rural youth	3			
	Farmers				
	Farm women				

	Extension personnel				
	Civil society				
	Any other (Pl. specify) NGO				
<b>Vocational programmes</b>	Rural youth				
	Farmers				
	Farm women				
	Extension personnel				
	Civil society				
	NGO				
	Any other (Pl. specify)				
<b>Sponsored programmes</b>	Rural youth				
	Farmers				
	Farm women				
	Extension personnel				
	Civil society				
	Any other (Pl. specify)				

Activity (under Soil Science)	Thematic area	Target		Achievement	
		No. of demonstration	No. of beneficiary	No. of demonstration	No. of beneficiary
Method demonstration	1.INM	2			
	2.Vermicompost	1			
Diagnostic visits	1.Soil testing	4			
	2.Soil management	5			

**PRODUCTION OF BIO FERTILIZERS/ VERMICOMPOST ETC**

Product	Quantity (qt)	
	Target	Achievements

**DISCIPLINE: PLANT PROTECTION (ENTOMOLOGY/ PLANT PATHOLOGY)**

Activities	Thematic Area	Crop/ cropping System	Target			Achievement		
			OFT (No.)	Trial (No.)	Area (ha)	OFT (No.)	Trial (No.)	Area (ha)
<b>OFT</b>	IPM/IDM	Rice- vegetable	<b>113</b>	0.53	0.5			
		Okra						
	Biological control (Insect/pest/ weeds etc)	Tea	1	2	0.10			
	Product evaluation (Efficacy)							
	Beneficial insect	Apiary	1	3	5			
	Beneficial organisms	Mushroom	1	5	10			
Store grain pest								

Activities	Thematic Area	Crop/ cropping System	Target		Achievement	
			FLD (No.)	Area (ha.)	FLD (No.)	Area (ha.)
<b>FLD</b>	IPM/IDM	Khasi mandarin	1	0.5		
	Biological control (Insect/pest/ weeds etc)	Rice	1	1		
	Product evaluation (Efficacy)					
	Beneficial insect					

	Beneficial organisms					
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Training activities (under Soil Science)	Participants	Target		Achievement	
		No. of programmes	No. of beneficiary	No. of programmes	No. of beneficiary
Short term courses	Rural youth				
	Farmers				
	Farm women				
	Extension personnel				
	Civil society				
	Any other (Pl. specify)				
Vocational programmes	Rural youth				
	Farmers				
	Farm women				
	Extension personnel				
	Civil society				
	NGO				
Sponsored programmes	Rural youth				
	Farmers				
	Farm women				
	Extension personnel				
	Civil society				
	Any other (Pl. specify)				

Activity (under Soil Science)	Thematic area	Target		Achievement	
		No. of demonstration	No. of beneficiary	No. of demonstration	No. of beneficiary
Method demonstration					
Diagnostic visits					

PRODUCTION OF BIOGENESIS/ BIOAGENTS:

Product	Quantity (No/ qt)	
	Target	Achievement


**DISCIPLINE: ANIMAL HUSBANDRY**

Activities	Thematic Area	Livestock/Bird	Target			Achievement		
			OFT (No.)	Trial (No.)	Area (ha)/Unit/Beneficiary	OFT (No.)	Trial (No.)	Area (ha)/Unit/Beneficiary
OFT	Breed introduction	Vanaraja Poultry	1	3	5			
	Breed improvement	Goat	1	4	10			
	Feeding management	cow	1	3	10			
	Health and clinic							
	Housing	Goatry	1	3	10			
	Processing/ Value addition							
	Fodder quality/ Production	Perennial fodder	1	3	0.10			
Pasture management	Natural grassland	1	2	0.10				

Activities	Thematic Area	Livestock/ Bird	Target		Achievement	
			FLD (No.)	Area (ha.) /Unit/Beneficiary	FLD (No.)	Area (ha.) /Unit/Beneficiary
FLD	Breed introduction					
	Breed improvement					
	Feeding management					
	Health and clinic	dairy	2	20		
	Housing					
	Processing/ Value addition					
	Fodder quality					
	Pasture management					

Training activities (under Animal Husbandry)	Participants	Target		Achievement	
		No. of programmes	No. of beneficiary	No. of programmes	No. of beneficiary
Short term courses	Rural youth	6			
	Farmers	8			
	Farm women				

	Extension personnel				
	Civil society				
	Any other (Pl. specify)				
<b>Vocational programmes</b>	Rural youth				
	Farmers				
	Farm women				
	Extension personnel				
	Civil society				
	NGO				
	Any other (Pl. specify)				
<b>Sponsored programmes</b>	Rural youth				
	Farmers				
	Farm women				
	Extension personnel				
	Civil society				
	Any other (Pl. specify)				

Activity (under Animal Husbandry)	Thematic area	Target		Achievement	
		No. of demon./visit	No. of beneficiary	No. of demon./visit	No. of beneficiary
Method demonstration	1.Vaccination				
Diagnostic visits	1.Livestock	8			
	2.				

**PRODUCTION:**

Item	Target(No.)	Achievements (No.)

**DISCIPLINE: HOME SCIENCE**

Activities	Thematic Area	Enterprise/ Crop/ cropping System/	Target			Achievement		
			OFT (No.)	Trial (No.)	Area (ha)/ Unit/Beneficiary	OFT (No.)	Trial (No.)	Area (ha)/Unit/Beneficiary
OFT	Nutritional Gardening							
	Nutritional diet for children/ Pregnant women							
	Energy saving tools/ devices							
	Water harvesting devices including purification							
	Hygienic Sanitation							
	Organic dye introduction/ utilization							
	Utilization of waste materials (Bio-degraded/ non-degraded)	Pulses	1	3	10			
	Storage techniques (grains/ fruits/ fishes/ meat etc)	cereal	1	3	0.10			
	Use of women friendly tools		1	2	-			
	Techniques of child care/ old age							

Activities	Thematic Area	Enterprise/ Crop/ cropping System	Target		Achievement	
			FLD (No.)	Area (ha.)/Unit/ Beneficiary	FLD (No.)	Area (ha.)/Unit/ Beneficiary
FLD	Nutritional Gardening		3	10		
	Nutritional diet for children/ Pregnant women					
	Energy saving tools/ devices		3	5		
	Water harvesting devices including purification					
	Hygienic Sanitation					
	Organic dye introduction/ utilization		1	5		
	Use of natural dyes form local trees and flowers					
	Utilization of waste materials (Bio-degraded/ non-degraded)		2	10		

	Storage techniques (grains/ fruits/ fishes/ meat etc)					
	Use of women friendly tools					
	Techniques of child care/ old age					

Training activities (under Home Sc.)	Participants	Target		Achievement	
		No. of programmes	No. of beneficiary	No. of programmes	No. of beneficiary
Short term courses	Rural youth	1			
	Farmers				
	Farm women	11			
	Extension personnel				
	Civil society				
	Any other (Pl. specify)				
Vocational programmes	Rural youth				
	Farmers				
	Farm women				
	Extension personnel				
	Civil society				
	NGO				
	Any other (Pl. specify)				
Sponsored programmes	Rural youth				
	Farmers				
	Farm women				
	Extension personnel				
	Civil society				
	Any other (Pl. specify)				

Activity (under Home Sc.)	Thematic area	Target		Achievement	
		No. of demon./visit	No. of beneficiary	No. of demon./visit	No. of beneficiary
Method demonstration	1.Value addition	4			
	2.				
	3.				
	.....				
Diagnostic visits	1.				
	2.				

**PRODUCTION through training materials:**

Items	Target(No.)	Achievements (No.)	Remarks

**DISCIPLINE: AGROFORESTRY**

Activities	Thematic Area	Crop/ cropping System	Target			Achievement		
			OFT (No.)	Trial (No.)	Area (ha)	OFT (No.)	Trial (No.)	Area (ha)
OFT	Introduction of MPTs in existing Systems		1	3	0.10			
	Introduction of MPTs in newly Developed Systems							
	Introduction of high value crops/ livestock in different systems		1	3	0.20			
	Reclamation of degraded area with MPTs etc.							
	Introduction of biofuel species/ tress		1	2	0.10			
	Canopy Management (Pruning/ Topping)							
	Secondary forestry diversification (Bamboo/ Broomgrass etc.)		1	2	0.10			
	Seconadary nursery promotion							
	Scientific nursery promotion							

Activities	Thematic Area	Crop/ cropping System	Target		Achievement	
			FLD (No.)	Area (ha.)	FLD (No.)	Area (ha.)
FLD	Introduction of MPTs in existing Systems					
	Introduction of MPTs in newly Developed Systems					
	Introduction of high value crops/ livestock in different systems					
	Reclamation of degraded area with MPTs etc.					
	Introduction of biofuel species/ tress					
	Canopy Management (Pruning/ Topping)					
	Secondary forestry diversification (Bamboo/ Broomgrass etc.)					
	Scientific nursery promotion					

Training activities (under Agroforestry)	Participants	Target		Achievement	
		No. of programmes	No. of beneficiary	No. of programmes	No. of beneficiary
Short term courses	Rural youth				
	Farmers				

	Farm women				
	Extension personnel				
	Civil society				
	Any other (Pl. specify) NGOs				
<b>Vocational programmes</b>	Rural youth				
	Farmers				
	Farm women				
	Extension personnel				
	Civil society				
	NGO				
	Any other (Pl. specify)				
<b>Sponsored programmes</b>	Rural youth				
	Farmers				
	Farm women				
	Extension personnel				
	Civil society				
	Any other (Pl. specify)				

Activity (under Agroforestry)	Thematic area	Target		Achievement	
		No. of demon./visit	No. of beneficiary	No. of demon./visit	No. of beneficiary
Method demonstration	1.				
	2.				
	3.				
	.....				
Diagnostic visits	1.				
	2.				

**PRODUCTION (Seeds/ Planting materials):**

Seeds/ Planting materials	Target(No./ Quantity)	Achievements (No./ Quantity)
Shade tree for tea gardens	300	

**DISCIPLINE: Agricultural Extension**

Activities	Thematic Area	Crop/ cropping System	Target			Achievement		
			OFT (No.)	Trial (No.)	Area (ha)	OFT (No.)	Trial (No.)	Area (ha)
<b>OFT</b>	Formation of Groups		4		10			
	Benchmark Survey (PRA etc)		4		-			
	Impact Assessment	Rice vegetables	2		-			
	Technology Backstopping							
	Dissemination time/ Loss of technologies							

	Coordination/ Convergence/ Linkages promoted/ Created							
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Activities	Thematic Area	Crop/ cropping System	Target		Achievement	
			FLD (No.)	Area (ha.)	FLD (No.)	Area (ha.)
FLD	Formation of Groups					
	Benchmark Survey (PRA etc)					
	Impact Assessment					
	Technology Backstopping					
	Dissemination time/ Loss of technologies					
	Coordination/ Convergence/ Linkages promoted/ Created					

Training activities (under Agri. Extension)	Participants	Target		Achievement	
		No. of programmes	No. of beneficiary	No. of programmes	No. of beneficiary
Short term courses	Rural youth				
	Farmers				
	Farm women				
	Extension personnel				
	Civil society				
	Any other (Pl. specify)				
Vocational programmes	Rural youth				
	Farmers				
	Farm women				
	Extension personnel				
	Civil society				
	NGO				
Sponsored programmes	Rural youth				
	Farmers				
	Farm women				
	Extension personnel				
	Civil society				
	Any other (Pl. specify)				

Activity (under Agri. Extension)	Thematic area	Target		Achievement	
		No. of demon./visi	No. of beneficiary	No. of demon./visit	No. of beneficiary

		<b>t</b>			
Method demonstration					
Diagnostic visits	1.				
	2.				

**Varietal performance/ performance of early/ long duration rice varieties under upland/ lowland/ flood prone/ flood free etc situations.**

- Varietal performance of pulses/ oilseeds etc
- Integrated nutrient management in Rice/ Wheat/ Pulses/ Oilseeds/ Fodder crops etc
- Integrated pest management in Rice/ Wheat/ Pulses/ Oilseeds/ Fodder crops etc
- Biological control of pests/ nematodes etc
- Biological control of diseases of Rice etc/ Vegetables etc / fruit trees etc.
- Green manuring of crops with Serbenia/ Dhaincha etc
- Vermicomposting of crops.

**AGROFORESTRY:**

**Introduction of multipurpose tree species (MPTS)**

- In existing systems (Agri- Silvi/ Agri-Pasteur etc)
- Newly developed systems
- Planting under social farming programmes
- Introduction of high value crops/ livestock
- Planting MPTS in degraded areas
- Introduction of biofuel species/ trees
- Pruning/ Topping of trees
- Bamboo/ Broomgrass/ Wild S ac species- Forest diversification
- Scientific nursery promotion

**PIGGERY**

**Methods for restraining pigs**

- Restraining piglets on its side (for injection vaccination treatment)
- Restraining piglets by holding its rear legs (for transportation)

**Methods for restraining older/ heavier pigs**

- By using a snare
- Laying the animal on its side

**Methods for measuring body temperature and respiration**

<b>CLIMATRIC</b>	<b>NORMAL RANGE</b>
Respiration	
Young	50/ minute
Old	13-15/ minute
temperature	39 C

**Methods of administration of medicines and use of a few surgical equipments**

- Method of withdrawing medicine from a vial
- Intramuscular injection (into muscle)
- Subcutaneous injections (under the skin)

**Home Science**

- Nutritional gardening
- Nutritional diet for children

- Energy saving chullas
- Water harvesting devices including purification of drinking water
- Hygienic sanitation
- Organic dye utilization
- Utilization of waste materials/ biodegraded/ non-degraded
- Storage techniques (grains/ fruits/ fishes/ meat etc)
- Uses of women friendly tools/ implements
- Techniques of child care