

Indian Council of Agricultural Research
Agricultural Technology Application & Research Institute, Zone-VI
Guwahati, Assam

Format for Annual Action Plan Formulation of KVKs, Zone-VI for 2021-22

Name of the KVK/District: Chirang

State: Assam

Host Organization: Assam Agricultural University, Jorhat

Present Staff Position in KVK

Sl. No.	Name	Gender (M/F)	Category (General/OBC/SC/ST)	Designation	Discipline	Mobile No.
1.	Dr. Chandan Kumar Deka	M	General	Sr. Scientist &Head	Agril. Extension	8638471840
2.	Dr. Hiranya Kumar Baruah	M	General	S.M.S	Agril. Economics	9957699559
3.	Mrs.Mandakini Bhagawati	F	General	S.M.S	Horticulture	9508362365
4.	Dr.Rajeev Bhandar Kayastha	M	General	S.M.S	Animal Science	9864063230
5.	Mr.Mahesh Kalita	M	General	S.M.S	Agronomy	9401075184
6.	Ms Juri Talukdar	F	OBC	S.M.S	Plant Protection	8638282259
7.	Mr.Poran Kishore Dutta	M	General	S.M.S	Soil Science	9864651997
8.	Mr.Jyotish Sarma	M	General	Farm Manager	Crop Physiology	9864368708
9.	Mr.Sailen Talukdar	M	SC	Programme Assistant	Crop Physiology	9678210770
10.	Mr. Anirban Singha	M	General	PA (Computer)	-	9435053585
11.	Mr. Sudipta Suman (Attached)	M	General	Office Spdt cum Acctt	-	7002307846
12.	Mr. Mrinmoy Dutta	M	General	Steno cum Comp. Operator	-	6001310249
13.	Mr. Lakhiram Brahma	M	ST	Driver cum Mechanics	-	9954144767
14.	Mr. Sanju Boro	M	ST	Driver cum Mechanics	-	7002979107
15.	Mr. Levi Murmu	M	OBC	Supporting Staff	-	9678253198
Total	15					

Please furnish discipline-wise information in the given format pertaining to the mandated activities of your KVK targeted to be accomplished during 2021-22

Discipline: Agronomy

Name of the concerned Subject Matter Specialist: Mahesh Kalita **Mobile No:** 9401075184

E-mailaddress: .maheshkalita69@gmail.com

Mandated activities	Thematic Area	Name of Technology	Source and Year of release	Assess/ Refine	Area (in ha)	Location	Period and Duration	Number of beneficiaries/ trials						
								SC/ST/OBC			General			Grand Total
								M	F	Total	M	F	Total	
On farm testing	Organic farming (2nd Year trial) Problem Diagnosed: Loss of sustainability due to repeated use of chemical fertilizer	1. Organic cultivation of high yielding <i>Sali</i> rice Treatments: T ₁ : Enriched compost @ 5 t/ha + Biofertilizer (Azospirillum, Azotobacter, PSB as seedling root dip with Plant protection measures Pheromone trap + Trichocard + Neem based pesticides T ₂ : Farmers' practice (check)	AAU, 2015	Assess	0.39	Shyamthaibari	May - Nov, 2021	2	-	2	1	-	1	3

		Observations to be recorded: : a. Dates of sowing, transplanting and harvesting b. Yield attributes and yield c. Economic indices													
	Varietal evaluation (2nd Year trial) Problem Diagnosed: Lack of suitable variety for delayed sowing condition	2. Performance of new rapeseed variety JT 90-1 (Jeuti) under delayed sowing condition Treatments: T ₁ : variety- JT 90-1 T ₂ : variety- TS 67 (check) Observations to be recorded: Rainfall, date of sowing, plant height, no of primary branch, no of siliqua/ plant, no of seed/ siliqua, incidence of pest & disease, yield & B-C ratio, farmers' reaction	RARS,AAU Shillongani Year-2015	Assess	0.39	Bhowraguri	Nov, 2021-Feb, 2022	1	-	1	2	-	2	3	
Mandated activities	Thematic Area	Name of technology	Source and Year of release	Crop/ cropping system	Area (in ha)	Location	Period and Duration	Number of beneficiaries/ demon.							
								SC/ST/OBC			General			Grand Total	
								M	F	Total	M	F	Total		

	Seed Production (2nd yr)	Certified seed production of submergence tolerant rice variety Ranjit Sub-1	AAU, Jorhat, 2014	Rice	2.0	Sidli, Bijni	May, -Nov, 2021 duration 155 days	3	-	3.	3	-	3	6
	Seed Production (1st yr)	Certified seed production of rapeseed variety TS-38	AAU, Jorhat	Rapeseed	2.0	Khamarpara, Saragaon	Oct 2021- Jan, 2022 duration 95 days	3	-	3	4	1	5	8
	Integrated Crop Management (4th yr)	Integrated crop management of Buckwheat in rice-buckwheat sequence	AAU, Jorhat	Buckwheat	2.0	SubhaijharPan bari	Nov 2021- Feb, 2022 duration 110 days	3	1	4	2	-	2	6

Mandated activities	Target group	Title of the training Programme and No. of Courses in bracket	No. of training progs	Period of the year	Duration (in days)	On/Off campuses	Number of beneficiaries						Remarks	
							SC/ST			General				Grand Total
							M	F	Total	M	F	Total		
On and Off campus training programmes	Farmer and Farm women	Cropping practices for marginal and dry land situation of Chirang district	1	May, 2021	1 day	Off	13	2	15	6	4	10	25	
		Scientific production technology of Kharif blackgram	1	Jun, 2021	1day	Off	12	2	14	8	3	11	25	

		Rain water harvest and its use in agriculture and household	1	Jul, 2021	1 day	Off	13	2	15	6	4	10	25	
		Increasing irrigation efficiency in rabi crops	1	Oct,2021	1 day	Off	12	2	14	8	3	11	25	
		Scientific production technology of wheat	1	Nov, 2021	1 day	Off	12	2	14	8	3	11	25	
		Scientific production technology of rabi oilseeds	1	Nov, 2021	1 day	Off	13	2	15	6	4	10	25	
		Improved production technology of Rabi pulse crops	1	Sep, 2021	1 day	Off	13	2	15	6	4	10	25	
	Rural Youth	Resource conservation and sustainable cropping practices	1	Feb, 2022	1 day	Off	14	0	14	11	0	11	25	
		Scientific Potato cultivation	2	Oct, 2021	1 day	Off	28	2	30	15	5	20	50	
	Extension Personnel	Mitigation of extreme weather through suitable contingency crop plan	1	Jul, 2021	1 day	On	13	2	15	6	4	10	25	
		Storage technique of pulse crops	1	Jan, 2022	1 day	On	13	2	15	6	4	10	25	

Vocational training programmes	Farmer and Farm women	=	=	=	=	=	=	=	=	=	=	=	=	
	Rural Youth	Integrated Farming System	1	Sep, 2021	5 days	On	12	2	14	8	3	11	25	

Discipline: Horticulture

Name of the concerned Subject Matter Specialist: Mandakini Bhagawati

Mobile No: 9508362365

E-mail address: mandakini.bhagawati@aau.ac.in

Mandated activities	Thematic Area	Name of Technology	Source and Year of release	Assess/ Refine	Area (in ha.)	Location	Period and Duration	Number of beneficiaries/ trials						
								SC/ST/OBC			General			Grand Total
								M	F	Total	M	F	Total	
On farm testing	Varietal evaluation (2nd Year trial) Problem Diagnosed: Poor yield of local variety	Comparative assessment of high yielding Frenchbean var. Arka Arjun and Arka Komal Observations to be recorded: Plant height, No of pods/plant, disease and pest incidence, Yield,	IIHR, Bangalore' 2017	Assess	0.13	Duturi, Batabari, Bengtol	Sept-Oct to February, 2022	-	1	1	2	-	2	3

		Production Economics												
Varietal evaluation (1 st nd Year trial) Problem Diagnosed: Poor yield of local variety and reduction of Income for construction of chang or stake for pole type dolichos bean	Assessment of dwarf, bush type Dolichos bean varieties in farmers field	IIHR, Bangalore' 2015	Assess	0.13	Bilashpur, Numalpur, Batabari	August-Sept to November, 2022	1	-	1	2			2	3
Varietal evaluation (1 nd Year trial) Problem Diagnosed: Low yield of runner propagated plants succesptible to botrytris and anthracnose fruit rot.	Assessment of Tissue culture strawberry varieties Sweet Charlie and Winter Dawn Treatments: T1: Sweet charlie (Tissue Culture) T2: Winter dawn (POP, 2019	Assess	0.13	Bengtol	Oct - February, 2022	1	1	2	-	-	-		2

		tissue Culture) Check: Farmers Practice Observations to be recorded: Days to 1 st flowering, Avg. Fruit size (cm), Avg. fruit weight (g), Yield (g/plant), Disease and pest incidence, Economics												
	Nutrient management (on station research trial) (2nd Year trial)	Assessment of fertilizer requirement in Dragon fruit Treatment Details: T ₁ :53:68:30 g Urea:SSP:MOP per plant in the 1 st year followed by 113:113:225 g Urea:SSP:MOP per plant in the 2 nd year T ₂ :70:90:40 g	AAU, Jorhat'2019	Refine	0.02	KVK, Chirang	Sept'2019 onwards							

		Urea:SSP:MOP per plant in the 1 st year followed by 150:150:300 g Urea:SSP:MOP per plant in the 2 nd year T ₃ :88:113:50 g Urea:SSP:MOP per plant in the 1 st year followed by 188:188:375 g Urea:SSP:MOP per plant in the 2 nd year Time of applications: 1 st year: 3 rd month and 6 month after planting in two equal splits 2 nd year: April, July-August, December in 3 equal splits												
Mandated activities	Thematic Area	Name of technology	Source and Year of release	Crop/cropping system	Area (in ha.)	Location	Period and Duration	Number of beneficiaries/ demon.						
								SC/ST/OBC			General			Grand Total
								M	F	Total	M	F	Total	
Front Line Demonstration 2	Varietal evaluation	Popularization of pumpkin variety Arjuna F1 in farmers field	AAU	Pumpkin var. Arjuna	0.26	Bengtol, Birhangaon, Mwkhnag	Sept' 2021-February'2022	2	-	2	2	-	2	4

						uri, Bamungaon								
	Crop production 2	Improved production technology of Broccoli <i>var.</i> Green Star in broccoli-summer vegetable sequence	AAU	Broccoli <i>var.</i> Green Star	0.13	Mwkhmaguri , Numalpur, Duturi	Sept' 2021- February'20 22	2	-	2	-	-	-	2
	1st	Scientific cultivation of Assam lemon	AAU	Assam Lemon	0.26	Devargaon, Bilashpur, Bamungaon	Sept'2021 onwards whole year	-	2	2	2	-	2	4
	Nutrient management 1 st (after Oft)	Scientific nutrient management in banana <i>var.</i> Malbhog	AAU	Banana <i>var.</i> Malbhog	0.26	Bamungaon, Domgaon	Sept'2021 onwards whole year	2	-	2	-	-	-	2
Mandated activities	Target group	Title of the training Programme and No. of Courses in bracket	No. of training progs	Period of the year	Durati on (in days)	On/Off campus	Number of beneficiaries						Remark s	
							SC/ST			General				Grand Total
							M	F	Total	M	F	Total		
On and Off campus trainin	Farmer and Farm women	Training of rural women on the processing of Bari products	2	Oct,2021	1	Off	25	8	33	10	7	17	50	

g progra mmes	Farmer and Farm women	Scientific management of multi-storeyed cropping system and bari development	1	May, 2021	1	Off	10	5	15	7	3	10	25
	Farmer and Farm women	Scientific cultivation of coconut and arecanut and their management practices	1	May, Sept,2021	1	Off	10	5	15	7	3	10	25
	Farmer and Farm women	Improved production technology of litchi, guava and papaya	1	June,2021	1	Off	10	5	15	7	3	10	25
	Farmer and Farm women	Scientific management of ginger and turmeric	1	Jan,2022	1	Off	10	5	15	7	3	10	25
	Farmer and Farm women	Scientific cultivation and management of banana and Assam lemon	1	Feb,2022	1	Off	10	5	15	7	3	10	25
	Rural youth	Crop diversification in sand and silt deposited areas	1	Oct,2021	1	Off	10	5	15	7	3	10	25
	Rural youth	Scientific cultivation practices of major spice crops	2	Jan,2021	1	Off	25	8	33	10	7	17	50

	Extension Personnel	Advanced production technology of high value vegetable crops and their management	1	Aug,2021	1	On	10	5	15	7	3	10	25	
	Extension Personnel	Scientific management of multi-storeyed cropping system and bari development	1	July,2021	1	Off	10	5	15	7	3	10	25	
Vocational training programmes	Farmer and Farm women	Entrepreneurship Development of Rural Women through processed food product making from locally available fruits and vegetables.	1	Dec,2021	5 days	Off	-	18	18	-	7	7	25	
	Rural Youth	-	-	-	-	-	-	-	-	-	-	-	-	
	Extension Personnel	-	-	-	-	-	-	-	-	-	-	-	-	
	Civil Society	-	-	-	-	-	-	-	-	-	-	-	-	
	Others (Pl.	-	-	-	-	-	-	-	-	-	-	-	-	

specify)													
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Discipline: Soil Science

Name of the concerned Subject Matter Specialist: Poran Kishore Dutta . **Mobile No:** 7002525404

E-mail address: poran.dutta@gmail.com

Mandated activities	Thematic Area	Name of Technology	Source and Year of release	Assess/Refine	Area (in ha.)	Location	Period and Duration	Number of beneficiaries/ trials						
								SC/ST			General			Grand Total
								M	F	Total	M	F	Total	
On farm testing	Nutrient management (2 nd yr trial) Problem diagnosed: Low availability of K due to high acidity	Exploitation of K solubilizing bacteria in reduction of potassic fertilizers in Sali rice (var. Shraboni) Treatment T1:RD of NPK @ 40:20:10 kg /ha + Consortia of KSB as seedling root dip treatment @3.5 kg/ha T2: RD of NPK @ 40:20:20 kg /ha	AAU, 2018	Assessment	0.40	Laoripara , Saragaon, Shyamthabari	Rice: June 21- Nov 21 (130-135 days)	1	-	1	2	-	2	3
	Nutrient	Response of rice (var. Ranjit sub-1) to Zn solubilizing	AAU,2018	Assessment	0.40	Bhawraguri,	Rice: June21-	1	-	1	2	-	2	3

	<p>Management (2nd yr trial)</p> <p>Problem diagnosed:</p> <p>Soil is deficient in Zinc and supplementation of Zinc Nutrition by use of Zinc solubilising bacteria</p>	<p>bacteria for Zn nutrition</p> <p>Treatment T1: RD of NPK @ 40:20:20 kg /ha + Consortia of Zn solubilizing bacteria as seedling root dip treatment.</p> <p>T2: RD of NPK @ 40:20:20 kg /ha + ZnSO₄ @ 25 kg/ha</p>				Panbari, Duturi	Nov 21 (130-135 days)							
	<p>Nutrient Management (1st yr trial)</p> <p>Problem diagnosed:</p> <p>Blanket use of fertilizer by the farmers.</p>	<p>Application of precise fertilizer dose through fertilizer prescription equation in toria</p> <p>Treatment T₁: FN = 10.37* T- 0.39*STVN FP = 1.86*T- 1.07*STVP FK = 4.47*T- 0.74*STVK (FN,FP, FK =Fertilizer N, P₂O₅, K₂O; STVN, STVP, STVK = Soil test value of N, P₂O₅, K₂O; T= Targeted yield.) T₂: Farmers' practice (RDF= 40:35: 15 ,N, P₂O₅, K₂O)</p>	AAU,2019	Assessment	0.40	Batabari, Khamarpura, Bagargaoan	Toria Oct 21- Dec-21 (90-100 days)	1	-	1	2	-	2	3

Mandated activities	Thematic Area	Name of Technology demonstrated	Source and Year of release	Crop/ Cropping system	Area (in ha.)	Location	Period and Duration	Number of beneficiaries/ demon.						
								SC/ST			General			Grand Total
								M	F	Total	M	F	Total	
Front Line Demonstration	Soil health	=	=	=	=	=	=	=	=	=	=	=	=	=
	Nutrient Management. (After OFT 1 st year)	Foliar nutrition of lentil. Treatment Two spays of 2% urea at branching (35 DAS) and pod initiation (75 DAS) stage in addition to use of recommended P& K	AAU	Rice-lentil	0.39	Batabari ,Ulubari , Mid shyamth aibari, Basugao n, Bhawra guri,	Mid Oct/ Nov 2020- Dec/ Jan 2020	2	1	3	2	-	2	5
	Nutrient Management. (After OFT 1 st year)	Nutrient management in Rapeseed Treatment Two foliar applications of 1% urea at flowering and pod filling stages along with basal application of recommended fertilizer dose, <i>i.e.</i> 40 kg N, 35 kg P2O5 and 15 kg K2O/ha for rapeseed	AAU, Jorhat	Rice-rapeseed	2.0	Bangalj hora, Bhaurag uri, Shyamt haibari, Mongol agaon, Rowmar i	Rice: June20-Nov 20 (150-155 days) Rapeseed: Mid Oct/ Nov21 – Jan/Feb 21 (90-100 days)	2	1	3	2	-	2	5
	Soil testing	=	=	=	=	=	=	=	=	=	=	=	=	=
	Soil amendment (Lime/ Others)	=	=	=	=	=	=	=	=	=	=	=	=	=

	Soil biology (BGA/ Azolla)	=	=	=	=	=	=	=	=	=	=	=	=	=
	Organic Farming (3 rd yr)	Production of vermicompost in low cost vermicompost unit	AAU, Jorhat	vermicompost	10	Saragao n, South Bamung aon, Mwkha naguri, Ulubari, Phulkumari, Basugao n, Enkorbari	Round the year	3	2	5	3	2	5	10
Mandated activities	Target group	Title of the training Programme and No. of Courses in bracket	No. of training progs	Period of the year	Duration (in days)	On/Off campus	Number of beneficiaries						Remarks	
							SC/ST			General				Grand Total
							M	F	Total	M	F	Total		
On and On and Off campus training programmes mes	Farmer and Farm women	Role of biofertilizer and its application in different field and horticultural crops	1	June,21	1	Off	8	0	8	12	5	17	25	
		Soil testing and its importance in crop production	1	June,21	1	Off	10	5	15	5	5	10	25	
		Soil and water conservation	2	July,21, July 21	1	Off	20	10	30	10	10	20	50	

		practices in dry land farming												
		Nutrient Management in Fruits	1	Aug,21	1	Off	10	5	15	5	5	10	25	
		Soil testing and its importance in crop production	1	Sept,21,	1	Off	10	5	15	5	5	10	25	
	Rural Youth	Nutrient Management in vegetables	1	Oct,21	1	Off	10	5	15	5	5	10	25	
		Production of Organic inputs for organic farming	1	Oct,21	1	Off	10	5	15	5	5	10	25	
		Production technology of biofertilizer and its utilization in farmers field to sustain soil health	2	Nov,21, Nov, 21	1	Off	20	10	30	10	10	20	50	
	Extension Personnel	Production of Organic inputs for organic farming	1	Dec,21	1	On	10	5	15	5	5	10	25	
		Soil testing and its importance in crop production	1	Dec, 21	1	On	10	5	15	5	5	10	25	
Vocational Training	RY	Production technology of vermicompost in low cost vermicompost unit	1	Dec, 21	5	On	10	5	15	5	5	10	25	

	Biological control Problem diagnosed: Non availability of feeding material round the year	Feeding of Tapioca leaves for quality and production of Eri silkworm Treatment: T1:Tapioca leaves T2: Control(Eri leaves)	AAU,2019	Assessment	-	Basugao n, Sidli	July 2021-Feb2022	-	1	1	-	2	2	3
Mandated activities	Thematic Area	Name of Technology demonstrated	Source and Year of release	Crop/ Cropping system	Area (in ha.)	Location	Period and Duration	Number of beneficiaries/ demon.						
								SC/ST			General			Grand Total
								M	F	Total	M	F	Total	
Beneficial Insect	Scientific beekeeping for increasing agricultural productivity and additional income Technology: Rearing of Indian bee hive (ISI A type) @ 5 nos./ha crop land or 1 nos. Bee hive/bigha land area	AAU, 2009	Honey bee	10 units	DenaiP ARA, Tukrajhar, Bengtol, Khamar para, Baghmarra	Round the year	5	0	5	-	5	5	10	
Cultural pest management	Protection of eriworm against insect through mosquito net for better quality and higher production of eriworm	AAU	Eriworm	10 units	Larugao n, Kashikotra, Amteka	Round the year	5	5	10	-	-	-	10	

	Mushroom production	Scientific cultivation of oyster mushroom for economic upliftment	AAU, Jorhat	Mushroom	5 units	Bangalj hora, Bhouraguri, Shyamt haibari, Mongol agaon, Rowmari	October, 2021 to March, 2022	2	1	3	5	2	7	10
Mandated activities	Target group	Title of the training Programme and No. of Courses in bracket	No. of training progs	Period of the year	Duration (in days)	On/Off campus	Number of beneficiaries						Remarks	
							SC/ST			General				Grand Total
							M	F	Total	M	F	Total		
On and On and Off campus training programmes mes	Farmer and Farm women	Integrated pest management in Sali rice	1	May,21	1	Off	5	0	5	20	0	20	25	
		Integrated pest management in fruit crop	2	May,21	1	Off	20	10	30	10	10	20	50	
		Year round mushroom cultivation for economic upliftment	2	June,21, July 21	1	Off	20	10	30	10	10	20	50	
		Integrated pest management in pulse crop	1	Aug,21	1	Off	10	5	15	5	5	10	25	
	Rural Youth	Integrated disease management in winter vegetables	2	Oct,21	1	Off	20	10	30	10	10	20	50	

		Biological control of rice pest and disease management	2	Nov,21	1	Off	20	10	30	10	10	20	50	
	Extension Personnel	Recent advancement in pest and disease management in agriculture	2	Jan,21	1	On	20	10	30	10	10	20	50	
Vocational Training	RY/ EF	Scientific bee keeping	1	Nov, 21	5	On	10	5	15	5	5	10	25	

Discipline: Animal Science

Name of the concerned Subject Matter Specialist: RAJEEV BHANDR KAYASTHA Mobile No: 9864063230

E-mailaddress:.dhanichirang@gmail.com

Mandated activities	Thematic Area	Name of Technology	Source and Year of release	Assess/ Refine	Area/Animals (in ha/Nos)	Location	Period and Duration	Number of beneficiaries/ trials						
								SC/ST/OBC			General			Grand Total
								M	F	Total	M	F	Total	
On farm testing	Breeding Management (1 st yr) Problem	1. Effect of Early and split weaning management on reproductive performance of crossbred pigs.	C. V Sc & AH, CAU, Mizoram, 2017	A	9	Subhaijhar Mwkhnaguri South Bamungaon	July-March, 2021-22	2	1	3	-	-	-	3

	<p>Diagnose d:</p> <p>Reduced litter index(no. of litter/ sow/ yr) leading to decreased number of piglet production per sow per year due to late weaning practices</p>	<p>Technology selected: Early and Split weaning practices to reduce the lactation length in sow and thereby reducing weaning to estrous interval</p> <p>Treatments:</p> <p>T1: Early Weaning group (Sower having piglet weaning at 28 days of farrowing)</p> <p>T2: Split Weaning group (heavier half of the litter weaned at 28 days and remaining half at 35 days weaning at 28 days of farrowing)</p> <p>T3: Farmer Practice (Piglets weaned at 35 days after farrowing)</p> <p>Observation: 1. Av, litter size and weight at birth and weaning at different weaning group</p> <p>2. Weaning to Estrous</p>										
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		interval												
	Breed Introduction (1 st yr) Problem Diagnosed: Low productivity of Indigeno us chicken.	Performance of BV-380 layer chicken under deep litter system of management	Venkateshwar Research and Breeding Farm Pvt. Ltd., Pune	A	200	Hatipota, Satipur, Bengtol	July-March, 2021-22	3	-	3	-	-	-	3
Mandated activities	Thematic Area	Name of technology	Source and Year of release	Livestock system	Area (in ha)	Location	Period and Duration	Number of beneficiaries/ demon.						
								SC/ST/OBC			General			Grand Total
								M	F	Total	M	F	Total	

Breed introduction (1 st after oft)	White Pekin duck rearing for income generation	Central Poultry Development Organisation and training Institute, Hesaraghatta Bengaluru	White Pekin as broiler duck	200 nos	South Bamungaon, Mwkhnaguri, Basugaon	1 year	3	-	3.	2	-	2	5	
Breed introduction (1 st after oft)	Backyard farming with improved poultry breed Kamrupa	College of Veterinary Science, Khanapara	Kamrupa birds	200 nos	Mwkhnaguri Bamungaon, Mwkhnaguri	1 year	3	-	3	2	-	2	5	
Breed Improvement (2 nd yr)	Rearing of crossbred goat for livelihood security	Goat Research Station, Barnihat, C.V.Sc, Khanapara	Crossbred goat	9 nos	Subhajhar Basugaon Tukrajhar	1 year	3	-	3	-	-	-	3	
Breed Introduction (2 nd yr)	Backyard rearing of Rainbow Rooster as dual purpose chicken	INBRO research breeding farms Pvt. Ltd.	Rainbow Rooster	200 nos	Shymthaibari, Bengtol, Birhangaon	1 year	5	-	5	5	-	5	10	
Breed Introduction (1 st yr)	Establishment of breeding unit for Yorkshire piglet production	NRC on Pig, ICAR, Rani	Yorkshire Pig	9 nos	Nilibari, Dangshybari Sidli	1 year	3	-	3	-	-	-	3	

Mandated activities	Target group	Title of the training Programme and No. of Courses in bracket	No. of training progs	Period of the year	Duration (in days)	On/Off campus	Number of beneficiaries						Remarks	
							SC/ST			General				Grand Total
							M	F	Total	M	F	Total		
On and Off campus training programmes	Farmer and Farm women	Parasitic infestations and their management in livestock	1	May, 2021	1 day	Off	12	2	14	8	3	11	25	
		Feeding management of dairy animals	1	Jun, 2021	1day	Off	12	3	15	6	4	10	25	
		Bio security measures in a farm premises.	1	Jul, 2021	1day	Off	10	2	12	6	2	8	20	
		Scientific management of sheep and goat	1	Aug,2021	1 day	Off	12	2	14	8	3	11	25	
		Care and management of pregnant animals	1	Aug, 2021	1 day	Off	12	2	14	8	3	11	25	
	Rural Youth	Balanced feed preparation for livestock	1	Oct, 2021	1 day	Off	12	2	14	8	3	11	25	
		Brooding management in a poultry farm	1	March, 2022	1day	On	12	3	15	6	4	10	25	

		Scientific Pig farming	1	Nov, 2021	1day	Off	12	3	15	6	4	10	25	
		Zoonotic diseases of livestock and their importance	1	Feb, 2022	1day	Off	12	3	15	6	4	10	25	
		Entrepreneurship development through Dairy farming	1	Dec, 2021	1day	Off	12	3	15	6	4	10	25	
	Extension Personnel	Fertility management in Dairy cows	2	Sep, 2021	1day	On	24	6	30	12	8	20	50	
Vocational training programmes	Farmer and Farm women	=	=	=	=	=	=	=	=	=	=	=	=	
	Rural Youth	Entrepreneurship development through pig farming	1	January, 2022	5 days	On	12	3	15	6	4	10	25	

Discipline: Agricultural Extension/ Agricultural Economics/ Agricultural Statistics

Name of the concerned Subject Matter Specialist: Dr. Hiranya Kumar Baruah. Mobile No: .9957699559

E-mail address:hkbkvc@gmail.com

Mandated activities	Thematic Area	Technology/ Method/ Process/ Model	Source and Year of release	Assess/ Refine	Area (in ha.)	Location	Period and Duration	Number of respondents/ beneficiaries						
								SC/ST			General			Grand
								M	F	Total	M	F	Total	

	(PRA etc)													
	Impact Assessment	A study the Impact of Training programmes conducted by KVK in Chirang District	-	-	-	Sidli and Manikpur Block	June, 21 to Dec, 21	-	-	40	-	-	40	80
		A study the Impact of FLD programmes on Oilseed and Pulses implemented by KVK in Chirang District	-	-	-	Sidli and Manikpur Block	June, 21 to Dec, 21	-	-	30	-	-	30	60
	Technology Backstopping	Oyster Mushroom	AAU	Oyster Mushroom cultivation for economic development	10 units	Lawripara, Mwkwnaguri, Bamungalon, Sidli Bjini	Rabi 6 months (Oct 21-Mar22)	15	50	65	10	25	35	100
	Dissemination time/ Loss of technologies													

	Coordination/ Convergence/ Linkages promoted/ created													
	Others (Pl. specify)													
Mandated activities	Target group	Title of the training Programme and No. of Courses in bracket	No. of training progs	Period of the year	Durati on (in days)	On/Off campus	Number of beneficiaries						Remarks	
							SC/ST			General				Grand Total
							M	F	Total	M	F	Total		
On and Off campus training programmes	Farmer and Farm women	Marketing of Agricultural and Horticultural Produce	2	June,21 July,21	1	Off	10	4	14	24	12	36	50	
		Training of rural women on the processing of Bari products	2	Aug,21 Sept,21	1	Off	10	4	14	24	12	36	50	
		Importance of crop insurance to farmers	2	Aug,21 Sept,21	1 1	Off/ On	10	4	14	24	12	36	50	
	Rural Youth	Employment generation through agril. and allied sectors	2	Oct,21 Nov,21	1	Off	10	4	14	24	12	36	50	
		Oyster Mushroom cultivation for	2	Dec,21	2	Off	10	4	14	24	12	36	50	

		economic upliftment		Jan.,22										
	Extension Personnel	Market led extension and Information networking among farmers	2	Feb,22	1	On	10	4	14	24	12	36	50	
	NGO(including school drop-outs)	-	-	-	-	-	-	-	-	-	-	-	-	
	Others (Pl. specify)	-	-	-	-	-	-	-	-	-	-	-	-	
Vocational training programmes	Farmer and Farm women	-	-	-	-	-	-	-	-	-	-	-	-	
	Rural Youth	Mushroom cultivation for economic upliftment(1)	1	Nov,21	5	On	5	3	8	12	5	17	25	
	Extension Personnel	-	-	-	-	-	-	-	-	-	-	-	-	
	Civil Society	-	-	-	-	-	-	-	-	-	-	-	-	
	NGO(including school drop-outs)	-	-	-	-	-	-	-	-	-	-	-	-	
	Others (Pl. specify)	-	-	-	-	-	-	-	-	-	-	-	-	
Sponsored training programmes														Sponsoring agency
	Farmer and Farm women	-	-	-	-	-	-	-	-	-	-	-	-	
	Rural Youth	-	-	-	-	-	-	-	-	-	-	-	-	
	Extension Personnel	-	-	-	-	-	-	-	-	-	-	-	-	

	Civil Society	-	-	-	-	-	-	-	-	-	-	-	-	-
	NGO(including school drop-outs)	-	-	-	-	-	-	-	-	-	-	-	-	-
	Others (Pl. specify)	-	-	-	-	-	-	-	-	-	-	-	-	-

FLD details:

FLD 1: A Study the Impact of Training programmes conducted by KVK in Chirang district

Objectives:

- To study the different aspect of trainings (like Training content coverage, duration, timely, use of knowledge after trainings etc) imparted in KVK trainings
- To study the problems faced by the farmers in attending the trainings
- To study the opinion of farmers in relation to trainings

Sample Size: 80

Sampling: For this study, 2 blocks namely Sidli and Bijni will be selected and from each block 4 villages will be selected where KVK trainings were imparted. From Each village 10 farmers who got the KVK trainings will be selected and thus total sample size will be 80.

Methodology: A structured Interview schedule will be prepared for the study and data will be collected by personal interview method. After data collection the data will be tabulated and will be analysed by using proper statistical tools.

FLD 2: A Study the Impact of FLD programmes on Oilseed and Pulses implemented by KVK in Chirang District

Objectives:

- To study the different aspect of Demonstrations (like variety supply, input supply, timeliness, knowledge imparted, field visit by scientists, advisory services, yield , pest and disease attack, marketing aspect etc) conducted by KVK .
- To study the problems faced by the farmers in conducting the demonstrations
- To study the opinion and suggestion of farmers in relation to Demonstration.

Sample Size: 64

Sampling: For this study, 2 blocks namely Sidli and Bijni will be selected and from each block 4 villages will be selected where FLD on oilseeds and pulses were imparted. From Each village 8 farmers who got the KVK trainings will be selected and thus total sample size will be 64.

Methodology: A structured Interview schedule will be prepared for the study and data will be collected by personal interview method. After data collection the data will be tabulated and will be analysed by using proper statistical tools.

Field Study:

1. Identification and Documentation of Indigenous technology knowledge of farmers of Chirang district.
2. To study functioning of women Self Help Groups(SHGs) in Chirang District
3. To study the status of new high value fruit crops grown by the farmers of Chirang district

Discipline: Crop Physiology

Name of the concerned Programme Assistant: Sailen Talukdar. **Mobile No:** 9678210770

E-mail address: sailentalukdar@gmail.com

Mandated activities	Thematic Area	Name of Technology	Source and Year of release	Assess/Ref ine	Area (in ha.)	Location	Period and Duration	Number of beneficiaries/ trials						
								SC/ST			General			Grand Total
								M	F	Total	M	F	Total	
On farm testing	-	-	-	-	-	-	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	-	-	-	-	-	-	
Mandated activities	Thematic Area	Name of Technology demonstrated	Source and Year of release	Crop/ Cropping system	Area (in ha.)	Location	Period and Duration	Number of beneficiaries/ demon.						
								SC/ST			General			Grand Total
								M	F	Total	M	F	Total	
Front Line Demonstration	ICM	Integrated Crop management of Rabi maize	AAU	Rice-maize	1.0	Batabari		3	0	3	2	0	2	5
	ICM	Integrated crop management of Potato	AAU	Rice-Potato	0.13	Amteka		0	0	0	2	0	2	2
Mandated activities	Target group	Title of the training Programme and No. of Courses in bracket	No. of training progs	Period of the year	Duration (in days)	On/Off campus	Number of beneficiaries							Remarks
							SC/ST			General			Grand Total	
							M	F	Total	M	F	Total		
and Off campus training programme	Farmer and Farm women	Scientific cultivation method of Maize	1	June,21	1	Off	10	5	15	8	2	10	25	
		Nutrient Deficiency symptoms and different measures of Rabi vegetables.	1	Sept,21	1	Off	10	5	15	8	2	10	25	

		Safety measures to be taken during application of pesticides in crops.	1	Oct, 21	1	Off	10	5	15	8	2	10	25
		Physiological disorder of various Rabi vegetables and its measures	1	October ,21	1	Off	10	5	15	8	2	10	25
	Rural Youth	-	-	-	-	-	-	-	-	-	-	-	-
	Extension Personnel	-	-	-	-	-	-	-	-	-	-	-	-

Awareness programme

1. Awareness on the significance of Bari System and its economic impact on household income supplementation, utilization of Bio-waste and natural dyes, food and nutrition security of communities.
2. Awareness Programme on Preparedness before and after Flood for Farmers (suggested by DC)
3. Awareness on major outbreak of pest & diseases of crops and Livestock

Cluster Frontline Demonstration:

Sl.No	Crop	Area (ha)
1	Sesamum	20
2	Toria	50

3	Linseed	10
4	Niger	10
5	Lentil	20
6	Field Pea	10
7	Blackgram	10
Total		130

Other Demonstrations programme:

Sl.No	Crops	Area(ha)/ nos
1	Mushroom	80-100 units (Target: 50 qt)
2	Vermicomost	200 qt
3	Assam Lemon	5 ha (@ 1100 cutting/ ha)
4	Arecanut	2 ha
5	Black pepper	2ha
6	Banana	1 ha

7	Pineapple	0.5 ha
8	Lentil	1 ha
9	Piglet	10 unit (3+1)
10	Chicks (Poultry , duck, turkey, quail) :	10 unit

Farm Production Plan (In KVK Farm):

Crops/ Enterprises	Area (ha)/ Nos	Expected production
Field Crops		
Sali rice	0.26 ha	10 qt
Dhaincha(Seed)	0.50 ha	1.5 qt
Sesame	0.50 ha	1.5 qt
Blackgram	0.13 ha	1.3 qt
Toria (seed Production)	0.65 ha	5.0 qt
Horticulture crops		
Dragon fruit Cutting	500 nos	-
Black pepper Cutting	500 nos	-
Assam Lemon cuttings	500 nos	-
Banana	0.13 ha	
Colocasia	0.13 ha	10 qt

Tapioca	0.13 ha	20 qt
Ginger	0.13 ha	18 qt
Turmeric	0.13 ha	24 qt
Arecanut seedlings	2000 nos	-
Coconut seedlings	200 nos	-
Pumpkin	0.26 ha	13 qt
Watermelon	0.13 ha	26 qt
Field Pea (seed Production)	1.0 ha	
Animal husbandry		
Fish (in Bio-floc)	3000 fingerlings	1.0 qt
Broiler	500 nos	12.5 qt
Goat	4 nos	10 kids
Other Enterprises		
Vermicompost (In farm)	12 unit	200 qt
Mushroom	500 beds	10.0 qt

Extension Activities proposed for the year 2021-22:

Specific activity	No. of activities	Period of the year	Duration (in days)	Number of beneficiaries (No.)							
				SC/ST			General			Grand Total	
				M	F	Total	M	F	Total	M	F
Diagnostic visit	72	Round the year	1 day each	22	13	35	16	9	25	38	22
Advisory services/ telephone talk	144	Round the year	-	85	25	110	70	20	90	155	95
Training Manual	1			0	0	0	0	0	0	0	0
Celebration of Important days	5	-	1 day each	500	125	625	400	100	500	900	225
Exhibition	1			300	125	425	400	200	600	700	325

Exposure visit	2	Oct,21 - Mar,22	1 day each	25	5	30	50	20	70	75	25
Extension literature (Leaflet/ folders/ Pamphlets)	6	Round the year	-	80	60	140	40	20	60	120	80
Extension / technical bulletin	4	Round the year		70	40	110	60	30	90	130	70
News letter	1	Mar,22		50	50	100	50	50	100	100	100
News paper coverage	10	Round the year		0	0	0	0	0	0	0	0
Research publications	6	Round the year		0	0	0	0	0	0	0	0
Success stories/ Case studies	6	Round the year		2	1	3	2	1	3	3	3
Farm Science Clubs' Convenors meet	1	Oct 21		20	5	25	15	10	25	35	15
Farmers' Seminar	1	Sept 21	1 day	50	50	100	0	0	0	50	50
Farmers' visit to KVKs	30	Round the year		300	100	400	200	100	300	500	200
Ex-trainees' meet	1	Nov, 22	1 day	25	20	45	15	15	30	40	35
Field day	7	Oct,21- March,22	1 day each	50	25	70	75	30	105	125	50
Film show	5	July21 Jan22	1 day	80	40	120	80	60	140	160	100
Radio Talk	0		0	0	0	0	0	0	0	0	0
Group Meeting	10	Jan'21- Feb22	1 day each	10	5	15	10	5	15	20	10
Kishan Mela	2	Oct'21, Feb2	1 day each	300	100	400	150	100	250	450	200

Soil Health Camps	2	Dec'21	1 day each	200	100	300	150	50	200	350	150
Animal Health Camps	1	July21 Aug21	1 day	75	150	225	75	100	175	150	250
Awareness camp Mobile Agro-Advisory (Messages/ Beneficiaries)	4		1 day each	30	20	50	40	10	50	70	30
Method demonstration	12	Round the year	1 days each	30	15	45	40	15	55	70	30
Scientists' visit to farmers' field	60	Round the year	1 days each	50	20	70	20	10	30	70	30
Workshop/ Seminar	1	Oct, 21	1 day	50	25	75	20	10	30	70	35
Soil Testing	300	May,21 to March, 22		200	100	300	100	100	200	300	200
Formation of Self Help Groups	10	May,21to March, 22		0	60	60	0	40	40	0	100
Bench Mark Survey (Participatory Rural Appraisal)	4	May,21 to March, 22	2days/PRA = 8 days	15	35	50	15	35	50	50	50
Impact Assessment on Tribal Sub Plan programme of Chirang	20	Jan20 to March,22		10	15	25	15	10	25	25	25
Water Testing											
Plant Testing											
Manure Testing											
Any other (Pl. Specify) Soil Health Cards										500	105
Total	729			2629	1329	3953	2108	1150	3258	5256	2610

Publications:

Sl.No	Name	Nos
1	Research Paper	2 Nos
2	Bulletins	10 Nos

3	News letter	1No
4	Abad Magazine	1 No
5	Training Manual	3 Nos
6	Success Story Booklet	1 No
7	Video making	2 Nos
8	Newspaper Coverage	20 Nos

Other Activities:

1. **Award to farmers:** Best Male and Female Farmers of the District (to be presented on KVK Foundation day)
2. **Adoption of Schools:** 2 (Two) Schools will be adopted to promote Agricultural Education

Activity Calendar of the KVK (Month-wise target to be completed) for the year 2021-22

KVK: Chirang

Activity/ Month	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
OFT (Nos.)													
i. Number of Technologies	-	3	-	3	3	1	4	1	-	-	-	-	15
i. Number of Trials	-	6	-	9	9	1	11	3	-	-	-	-	39
ii. Area (ha)/ items (no.)		1.2		21nos.	0.13, 203nos.	0.02	1.06	0.39	-	-	-	-	2.8 ha, 224 nos.
FLD (Nos.)									-	-	-	-	
i. Number		2		1	2	8	4	1	-	-	-	-	18
ii. Area(ha)/ items (no.)		2.0, 10		9	210	0.78, 420	6.0, 19	10	-	-	-	-	8.78 ha, 678 nos.
Training programme													
A. Farmer													

i.	No. of course	4	7	7	4	3	4	3	3	2	3	1	1	42
ii.	No. Of participants	95	160	155	85	60	85	60	65	45	65	20	20	915
B. Rural Youth														
i.	No. of course				1	1	2	8	5	2	1	2	1	23
ii.	No. Of participants				25	25	45	180	115	70	20	40	20	540
C. Ext. Personnel														
i.	No. of course	-	-	-	2	1	1	-	-	-	2	2	1	9
ii.	No. Of participants	-	-	-	40	20	20	-	-	-	50	50	25	205
Extension Activities/ programmes														
i.	No. of activities	55	60	70	55	65	74	50	75	55	50	70	50	729
ii.	No. of beneficiaries	550	650	720	640	700	780	400	880	700	560	686	600	7866
Seeds production (tonnes)														
1. Rice (Sali) (Ranjit Sub-1)		-	-	-	-	-	-	-	-	0.3	-	-	-	0.3
Oilseed														
1. Sesamum (Kalibor Local)		-	-	-	-	-	-	-	-	0.3				0.3
2. Niger (NG 1)		-	-	-	-	-	-	-	-				1.0	1.0
3. Toria TS-38		-	-	-	-	-	-	-	-			0.5		4.05
Pulse														
1. Black gram(PU-31)		-	-	-	-	-	-	-	0.08					0.08
Vegetable:		-	-	-	-	-	-	-						

1. Potato	-	-	-	-	-	-	-	2.5					2.5
2. Colocasia	-	-	-	-	-	-	-	1.0					1.0
Others													
1. Buckwheat (Local)	-	-	-	-	-	-	-				2.0		2.0
2. Dhaincha	-	-	-	-	-	-	-	0.1					0.1
3. Tapioca	-	-	-	-	-	-	-	3.0					3.0
Planting materials (Nos. in lakh)						0.10					0.15		0.175
Bio-fertilizers/ Vermicompost etc. (in Tonnes)													Azolla 0.8 Vermicompost 4.0
Soil , Water, Plant, Manures Testing (No. of samples to be tested)	Soil-	-	-	-	-	-	-	-	-	-	-	-	Soil-1000
Soil , Water, Plant, Manures Testing (No. of farmers benefitted)	Soil-	-	-	-	-	-	-	-	-	-	-	-	Soil-700 -
Soil , Water, Plant, Manures Testing (No. of villages covered)	Soil-	-	-	-	-	-	-	-	-	-	-	-	Soil-50
Mobile Agro-Advisory (No. of Messages)	18	18	18	19	19	19	18	18	18	18	19	18	220
Mobile Agro-Advisory (No. of Farmers)	39	39	39	39	39	39	39	39	39	39	39	44	473

Farm demonstration													
Tomato(Hybrid)										0.5			0.5
Potato											7.0		7.0
Chilli (Teswani)												0.15	0.15
Brinjal (Navkiran)												0.50	0.50
KnolKhol												0.5	0.5
Sesamum									0.3				0.3

Niger											1.5		1.5
Blackgram								0.2					0.2
Buckwheat											3.0		3.0
Dhaincha								0.1					0.1

Other farm works

1. Kitchen gardening : 250 m²
2. Crop cafeteria : 500 m²
3. Vermicopost production : 12 unit
4. Azola production : 9 unit
5. Goat rearing : 6 nos
6. Poultry rearing : Chicken – 20, Duck – 10, Quill - 100
7. Fish rearing through Biofloc : 20 m²
8. Indigenous crop cultivation : 2000 m²
9. Multi-storeyed cropping : 250 m²
10. Farm and office gardening : 500 m²
11. Dragon fruit demonstration : 20 nos
12. Integrated Farming System : 500 m²

Sr. Scientist & Head
KVK,Chirang

