

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 2023-24***

**Name of the KVK/District: Chirang                      State: Assam                      Host Organization: Assam Agricultural University, Jorhat**

**Please furnish discipline-wise information in the given format pertaining to the mandated activities of your KVK targeted to be accomplished during 2023-24**

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	9864069182
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.Ratul Das	M	General	Farm Manager	PBG	9435181415
9.	Mr.Sailen Talukdar	M	SC	Programme Assistant	Crop Physiology	9678210770
10.	Mr. Mrinmoy Dutta	M	General	Steno cum Comp. Operator	-	6001310249
11.	Mr. Lakhiram Brahma	M	ST	Driver cum Mechanics	-	9954144767
12.	Mr. Sanju Boro	M	ST	Driver cum Mechanics	-	7002979107
13.	Mr. Levi Murmu	M	OBC	Supporting Staff	-	9678253198
Total	13					

**Discipline: Agronomy**

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

E-mail address: Mahesh.kalita@aaau.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	
<b>On Farm Testing</b>	Nutrient management	<b>Effect of nano DAP fertilizer formulation on growth and yield of Kharif rice</b> <b>Treatments:</b> T <sub>1</sub> : Two spraying of nano DAP 0.5% (5 ml/ lit water) formulation at 25 DAT and 60 DAT + K <sub>2</sub> O @ 40 kg/ ha T <sub>2</sub> : Root dip treatment with nano DAP 0.5% formulation + K <sub>2</sub> O @ 40 kg/ ha T <sub>3</sub> : Farmers' practice (check) <b>Observations to be recorded:</b> a. Dates of sowing, transplanting and harvesting b. Yield attributes and yield c. Economic indices	IFFCO and ICAR, 2018	A	0.39	Bijni, Sidli	June – Nov, 2023	2	-	2	1	-	1	3

	Weed Management	<b>Performance of Pendimethalin in weed management of blackgram</b> <b>Treatments:</b> T <sub>1</sub> : Pre-emergence application of Pendimethalin @1 lit/ha one day after sowing T <sub>2</sub> : Farmers' practice (No pendimethalin application, without RDF) <b>Observations to be recorded:</b> a. weed population b. weed control efficiency c. plant growth and yield parameters d. yield and economics	Assam Agricultural University, 2015	A	0.39	Makra, Panbari	Aug-Dec, 2023	1	1	2	1	-	1	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/ demons.						
								SC/ST/OBC			General			Grand Total
								M	F	Total	M	F	Total	
Frontline Demonstration	Seed production	Certified seed production of rice variety Numoli through participatory mode	AAU, Jorhat, 2020	Rice	5.0	Bijni, Sidli,	June-Oct, 2023 (130 days)	7	3	10	4	1	5	15
	Integrated crop management	Integrated crop management of Foxtail millet	AAU, Jorhat,2015	Foxtail millet	2.0	Bengtol	Jan-April'24 (4 months)	5	-	5	-	-	-	5
	Seed production	Certified seed production of Toria variety TS -38	AAU, Jorhat,2015	Toria	2.0	Larugaonn, Pub Makra	Oct, 23 - January'24 (95-100 days)	2	-	2	3	-	3	5

Mandated activities On farm testing	Target group	Title of the training Programme and No. of Courses in bracket	No. of training programmes	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 programme	Farmer and Farm women	Scientific production technology of Finger millet	1	June, 2023	1 day	Off	9	3	12	8	5	13	25	
		Technique of rain water harvest and its utilization	1	June, 2023	1day	Off	9	3	12	10	3	13	25	
		Cultivation of Kharif blackgram in Chirang district	1	July, 2023	1day	Off	10	7	17	6	2	8	25	
		Storage technique of pulse crops	1	Aug, 2023	1 day	Off	8	4	12	8	5	13	25	
		Scientific production technology of rabi oilseeds	1	Sep, 2023	1 day	Off	9	3	12	10	3	13	25	
		Integrated crop management of rabi maize	1	Oct, 2023	1 day	Off	6	7	13	10	2	12	25	
		Scientific production technology of Foxtail millet	1	Dec, 2022	1 day	Off	9	3	12	8	5	13	25	
	Rural Youth	Natural Farming: Prospect and practices	2	July, 2023	1 day	On	10	4	14	30	6	36	50	
		Prospect of millet cultivation in Chirang district	1	May, 2023	1 day	Off	9	3	12	8	5	13	25	
	Extension Personnel	Contingency crop planning and mitigation of extreme weather	1	Aug, 2023	1 day	On	9	2	11	9	5	14	25	

		Scope of cultivation of medicinal and aromatic plants in Chirang district	1	Jan, 2024	1 day	On	5	2	7	15	3	18	25	
<b>Vocational training programmes</b>		Integrated Farming System	1	Jan, 2024	1 day	On	5	2	7	15	3	18	25	

### Activities proposed under the programme of International Year of Millets-2023

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

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SI No	Name of activity	No of activity/ area (ha)	Participants		
			Male	Female	Total
1	Awareness programme	8	160	80	240
2	Capacity building	6	80	40	120
3	Demonstration of Fox tail millet and finger millet in KVK farm	2 (0.4 ha)	-	-	-
4	Demonstration of Fox tail millet in farmers' field	10 (5.0 ha)	9	1	10
5	Farmers' Exposure visit	1	25	5	30

**Discipline: Soil Science**

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

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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	
<b>On Farm Testing</b>	Nutrient management	<b>Application of Sulphur and boron in Toria</b> <b>Treatments:</b> T <sub>1</sub> : Application of Boron as basal @1.5 kg/ha and S @ 20 kg/ha in addition to recommended dose of NPK. T <sub>2</sub> : Application of Recommended dose of fertilizer in toria T <sub>2</sub> : Farmers' practice. <b>Observations to be recorded:</b> <ol style="list-style-type: none"> <li>1. Agronomic parameters</li> <li>2. Yield</li> <li>3. Soil test parameters</li> <li>4. Economic Analysis</li> </ol>	AAU,2021	A	0.39	Bijni, Sidli	Oct 2023 to February 2024	2	-	2	1	-	1	3

	Soil Acidity	<b>Furrow application of lime in Potato for improving productivity on acid soils.</b> <b>Treatments:</b> T <sub>1</sub> : Furrow application of lime @3 q/ha along with recommended dose of NPK fertilizer T <sub>2</sub> : Application of 25% of lime requirement along with recommended dose of NPK fertilizer T <sub>2</sub> : Farmers' practice <b>Observations to be recorded:</b> 1. Agronomic parameters 2. Yield 3. Soil test parameters 4. Economic Analysis	ICAR RC NEHR, Umiam, 2017	A	0.39	Bijni, Sidli	Oct 2023 to Feb, 2024	1	1	2	1	-	1	3
<b>Mandated activities</b>	<b>Thematic Area</b>	<b>Name of technology</b>	<b>Source and Year of release</b>	<b>Crop/ cropping system</b>	<b>Area (in ha)</b>	<b>Location</b>	<b>Period and Duration</b>	<b>Number of beneficiaries/ demon.</b>						
								<b>SC/ST/OBC</b>			<b>General</b>			<b>Grand Total</b>
								<b>M</b>	<b>F</b>	<b>Total</b>	<b>M</b>	<b>F</b>	<b>Total</b>	
<b>Frontline Demonstration</b>	Soil Microbes	Response of rice to Zn solubilizing bacteria for Zn nutrition. Technology: RDF (60:20:40 kg/ha) + Zn solubilizing bacteria @ 3.5 kg/ha	AAU, Jorhat, 2020	Rice	2.0	Bijni, Sidli,	June-Nov, 2023 (150 days)	3	1	4	1	-	1	5
	Organic Production	Production of vermicompost in low cost vermicompost unit	AAU, Jorhat	-	10 units	Bijni, Sidli, Basugaon	April-March 2023	3	3	6	2	2	4	10

Mandated activities	Target group	Title of the training Programme and No. of Courses in bracket	No. of training programmes	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		
<b>On and Off campus training programme</b>	Farmer and Farm women	Role of biofertilizer and its application in different field and horticultural crops	1	April, 2023	1 day	Off	9	3	12	8	5	13	25	
		Soil testing and its importance in crop production	1	May, 2023	1day	Off	10	7	17	6	2	8	25	
		Soil and water conservation practices in dry land farming	1	June, 2023	1 day	Off	8	4	12	8	5	13	25	
		Nutrient Management in Fruits	1	Sep, 2023	1 day	Off	9	3	12	10	3	13	25	
		Production of bio-inputs for natural farming	1	Oct, 2023	1 day	Off	11	3	14	7	4	11	25	
		Soil and water conservation practices in dry land farming	1	Nov 2023	1 day	Off	9	3	12	10	3	13	25	
	Rural Youth	Nutrient Management in vegetables	1	Nov, 2023	1 day	Off	11	3	14	7	4	11	25	
		Production of Organic inputs for organic farming	1	June, 2023	1 day	Off	5	2	7	15	3	18	25	
		Production of bio-inputs for natural farming	1	July 2023	1 day	Off	5	2	7	15	3	18	25	
		Integrated Nutrient Management	1	May, 2023	1 day	Off	9	3	12	8	5	13	25	
	Extension Personnel	Sustainable crop production through zero budget Natural Farming.	1	Aug, 2023	1 day	On	9	2	11	9	5	14	25	
		Production of Organic inputs for organic farming	1	Dec, 2023	1 day	On	5	2	7	15	3	18	25	
<b>Vocational training programmes</b>	Rural Youth	Production of Vermicompost in low cost vermicompost unit for additional income	1	Jan 2024	5	off	5	2	7	15	3	18	25	

**Discipline: Horticulture**

**Name of the concerned Subject Matter Specialist:** Mandakini Bhagawati **Mobile No:** 9508362365

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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	
<b>On Farm Testing</b>	Varietal evaluation	Comparative assessment of early maturing watermelon varieties <b>Arka Shyama and Red Chief</b> in farmers' field <b>Treatments:</b> T <sub>1</sub> : Arka Shyama (IIHR variety) T <sub>2</sub> : Red Chief (Syngenta variety) T <sub>3</sub> : NS-34(check) Planting distance: 2.5x 2.0 m NPK:60:40:40 kg/ha Observations to be recorded: : <ul style="list-style-type: none"> <li>• Days to 1<sup>st</sup> flowering</li> <li>• Days to 1<sup>st</sup> harvesting</li> <li>• Average weight</li> <li>• No of fruits/plant</li> <li>• Yield</li> <li>• Disease and pest incidence</li> <li>• Production Economics</li> </ul>	IIHR'2020	A	0.13	2 (Odalguri , Bengtol)	Dec-March' 2024	-	-	-	3	-	3	3

	Varietal evaluation	Assessment of performance of coloured cauliflower <i>var.</i> Carotena and Valentena in Chirang district Assam <b>Treatments:</b> T <sub>1</sub> : Carotena T <sub>2</sub> : Valentena T <sub>3</sub> : Any recommended hybrid variety based on Farmers' preference (check) <b>Observations to be recorded:</b> <ul style="list-style-type: none"> <li>• Days to curd formation</li> <li>• Average weight per plant</li> <li>• Yield (t/ha)</li> <li>• Disease and pest incidence</li> <li>• Production Economics</li> </ul>	Syngenta' 2020	A	0.13	Bijni, Duturi	Nov-Feb' 2024	1	-	1	2	-	2	3
Mandated activities	<b>Thematic Area</b>	<b>Name of technology</b>	<b>Source and Year of release</b>	<b>Crop/ cropping system</b>	<b>Area (in ha)</b>	<b>Location</b>	<b>Period and Duration</b>	<b>Number of beneficiaries/ demons.</b>						
								<b>SC/ST/OBC</b>			<b>General</b>			<b>Grand Total</b>
								<b>M</b>	<b>F</b>	<b>Total</b>	<b>M</b>	<b>F</b>	<b>Total</b>	
	Crop production	Demonstration on intercropping of black pepper <i>var.</i> Panniyur-1 in arecanut based cropping system	PoP, AAU, Jorhat, 2019	Blackpepper	0.39	Sidli, Borobazar	May, 2023 onwards	2	2	4	1	-	1	5
	Varietal performance	Demonstration on high yielding pumpkin <i>var.</i> Arjuna in farmers field	PoP, AAU, Jorhat, 2019	Pumpkin	0.26	Dababil, Boripara, Birhanga on,	Oct, 2023- February '24	2	-	2	2	-	2	4

	Varietal performance	Popularization of disease resistant tomato <i>var.</i> Arka Abhed in Chirang district	IIHR, Bangalore, 2019	Tomato	0.13	Mangalgaon Allengmari, Bijni, Bengtol	(4 months) (Oct, 2023-February '24 (4 months)	1	-	1	1	1	2	3
Mandated activities On farm testing	Target group	Title of the training Programme and No. of Courses in bracket	No. of training programmes	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	Scientific management of multi-storeyed cropping system and bari development	1	June & July '2023	1 day	Off	9	8	17	5	3	8	25	
		Scientific cultivation and crop management practices of strawberry	1	Sept, 2023	1 day	Off	9	8	17	5	3	8	25	
		Intercropping of vegetables in coconut and arecanut based cropping system	1	Jul, 2023	1 day	Off	10	7	17	6	2	8	25	
		Scientific nursery raising of rabi vegetables	2	Aug, 2023 Oct, 2023	2 day	Off	18	11	29	12	9	21	50	
		Awareness programme on Natural farming in Vegetables	2	Dec, 2023 Feb, 2024	1 day	Off	6	7	13	10	2	12	25	
		Recent advances in commercial cultivation of banana and assam lemon in Chirang district	1	Nov, 2023	2 day	Off	15	14	29	15	6	21	50	

	Rural Youth	Scientific cultivation and rejuvenation of declining Khasi mandarin plants	1	Feb, 2024	1 day	Off	8	17	25	0	0	0	25	
		Plasticulture applications in horticultural crops	1	Jan, 2024	2 day	Off	18	11	29	12	9	21	50	
	Extension Personnel	Advanced production technology of high value vegetable crops and their management	2	Feb & March, 2024	1 day	On	6	7	13	10	2	12	25	
<b>Vocational training programmes</b>	Farmer and Farm women	Entrepreneurship Development of Rural Women through processed food product making from locally available fruits and vegetables	1	Feb, 2024	5 days	On	10	2	12	7	1	8	25	
	Rural Youth													

**Discipline: Plant Protection**

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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	Disease Management <b>Problem diagnosed:</b> High plant mortality due to bacterial wilt	Management of bacterial wilt in potato <b>Treatment:</b> T <sub>1</sub> :(a) Removal and destruction of infected plant debris including tubers from field B) Dipping of seed tubers of seed tubers in 0.02 % of streptomycin for 30 min c) Application of bleaching powder at 12-15 kg/ha in furrow during sowing T <sub>2</sub> : Control	ICAR, New Delhi 2014	Assessment	0.39	Batabari, Dababil, Panbari	Potato October, 23 to January, 24	1	-	1	1	1	2	3
	IDM <b>Problem diagnosed:</b> Severe crop loss since last 2 years due to YMV infestation in black gram	<b>Assessment of IDM module against YMV disease in black gram</b> <b>Treatment:</b> T <sub>1</sub> : a) Seed treatment with thiamethoxam 2S WG @ 5 kg/kg seed b) Installation of yellow sticky trap (YST) @ 50nos./ha c) Spraying of yellow	OUAT 2019-20	Assessment	-	Duturi, Bi joypur, D ansrain g	Aug 2023- Nov 2023	-	1	1	-	2	2	3

		Acetamiprid @0.03 % twice at 30 days after sowing at 15 days interval T2: Control (Spraying of Diemethoate) 30% EC @2ml/lit													
	IPM <b>Problem diagnosed:</b> Severe crop loss due to fall army worm (FAW) infestation	Management of Fall Army Worm ( <i>Spodoptera frugiperda</i> ) and stem borer ( <i>Chilopartellus</i> ) in maize T1: IPM module comprising of a) Weeding 2times at 15 days interval starting after 15 days of germination b): Application of emamectin benzoate 3% WG + thiamethoxam 12%WG @ 0.1 % followed by application of chlorantraniliprole 18.5 % SC @0.025 % at 7 days interval T2: Control	AAU 2022	Assessment	-	Saragaon, Magalagaon, Dababil	Aug 2023- Nov 2023	-	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 <b>Technology:</b> 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	Borobazara, Kwartika, Silbari, Khamarp ara, Baghmar a	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	Kolobari, Kashikot ra, Amteka	Round the year	5	5	10	-	-	-	10
	Mushroom production	Scientific cultivation of oyster mushroom for economic upliftment	AAU, Jorhat	Mushroom	5 units	Bangalhora, Bhauraguri, Shyamth aibari, Mongola gaon, Rowmari	October, 2023 to March, 2024	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		
<b>On and On and Off campus training programmes</b>	Farmer and Farm women	Pest and disease management in Arecanut and Coconut	2	June, 23	1	Off	5	0	5	20	0	20	25	
		Integrated pest management in Sali rice	1	May,23	1	Off	5	0	5	20	0	20	25	
		Integrated pest management in fruit crop	1	May,23	1	Off	20	10	30	10	10	20	50	
		Year-round mushroom cultivation for economic upliftment	2	June,23, July 23	1	Off	20	10	30	10	10	20	50	
		Integrated pest management in pulse crop	1	Aug,23	1	Off	10	5	15	5	5	10	25	
	Rural Youth	Integrated disease management in winter vegetables	1	Oct,23	1	Off	20	10	30	10	10	20	50	

		Biological control of rice pest and disease management	1	Nov,23	1	Off	20	10	30	10	10	20	50	
	Extension Personnel	Recent advancement in pest and disease management in agriculture	1	Jan,23	1	On	10	5	15	5	5	10	25	
		Application procedure of safe use of pesticides	1	Jan,23	1	On	10	5	15	5	5	10	25	
Vocational Training	RY	Scientific bee keeping	1	Nov, 23& Jan,24	5	Off	10	5	15	5	5	10	25	

**Discipline: Animal Science**

**Name of the concerned Subject Matter Specialist:** Dr. Rajeev Bhandar Kayastha    **Mobile No:** 8099684437

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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	
<b>On Farm Testing</b>	Feed & Fodder	Assessment of performance of Aseel cross and Srinidhi chicken under semi-intensive system of rearing <b>Treatments:</b> T <sub>1</sub> : Performance of Aseel cross T <sub>2</sub> : Performance of Srinidhi birds T <sub>3</sub> :Performance of Desi bird (Farmers practices) <b>Observations to be recorded:</b> <ul style="list-style-type: none"> <li>• Adaptability</li> <li>• Weight gain per month</li> <li>• Age at 1<sup>st</sup> lay egg</li> <li>• B:C ratio</li> </ul>	Aseel cross: ICAR-CARI, Izatnagar,2014 Srinidhi: ICAR-DPR, Hyderabad,2015	A	180 birds	Brihngaon, Subhaijhar, Sidli	July,2023	2	-	2	1	-	1	3

	Livestock Nutrition Management	Assessing technology for enhancing the milk fat and SNF by supplementing sodium bicarbonate and yeast in crossbred dairy animals. <b>Treatments:</b> T <sub>1</sub> : Supplementation of Sodium bicarbonate @ 50g/day/animal T <sub>2</sub> : Supplementation of Yeast bolus @ 2 bolus/day/animal T <sub>3</sub> : Combination of T <sub>1</sub> & T <sub>2</sub> T <sub>4</sub> : Farmers practice <b>Observations to be recorded:</b> <ul style="list-style-type: none"> <li>• Avg. milk yield per day per animal</li> <li>• % Fat</li> <li>• %SNF</li> <li>• B:C ratio</li> <li>• Farmers feedback</li> </ul>	TANUVAS, 2021	A	-	Bijni, Panbari Sidli	Nov.-Dec, 2023	2	-	2	1	-	1	3
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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	
Frontline Demonstration	Breed Introduction	White Pekin duck rearing for income generation	CPDO, Hesaraghatta, Bengaluru	Broiler Duck	200 nos	Bengtol, Bijni, Sidli,	Oct, - Dec, 2023	7	3	10	-	-	-	10
	Breed Introduction	Demonstration on performance of Guinea Fowl under field condition for meat purpose	ICAR-CARI, Izatnagar,	Guinea Fowl	200 nos	Bengtol, Tukrajhar, Sundri	Sep.- March'23	7	3	10	-	-	-	10
	Scientific production and management	Rearing of Assam Hill goat for livelihood security	Goat Research Station, Barnihat,	Assam Hill Goat	12 nos	Larugaonn, Basugaon, Panbari	Oct, 23 - January'24	2	-	2	1	-	1	3

Breed Introduction	Backyard rearing of Rainbow Rooster as dual-purpose chicken	INBRO research breeding farms Pvt. Ltd. Year:2005	Rainbow Rooster	200 nos	Kajalgaon, Bangaldoba, Garubhasa	Aug.- March '23	5	2	7	2	1	3	10
Housing management	Popularizing deep litter system of pig housing for crossbred pig farming	Department of LPM, C.V.Sc. Khanapara Year: 2014	Crossbred Hampshire pig	9 nos	Hatipota, Birhanggaon, Garubhasa	Aug.- March '23	3	-	3	-	-	-	3=

Mandated activities On farm testing	Target group	Title of the training Programme and No. of Courses in bracket	No. of training programmes	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 programme	Farmer and Farm women	Disease management in livestock and poultry including preventive measures.	1	June, 2023	3 days	Off	9	3	12	8	5	13	25	
		Care and management of pregnant animals	1	June, 2023	1day	Off	9	3	12	10	3	13	25	
		Balanced feed preparation for livestock	1	July, 2023	1day	Off	10	7	17	6	2	8	25	
		Scientific pig farming for entrepreneurship development	1	Aug, 2023	3 days	Off	8	4	12	8	5	13	25	
		Parasitic infestations and their management in livestock	1	Sep, 2023	1 day	Off	9	3	12	10	3	13	25	
	Rural Youth	Production and scientific management practices of Poultry and duck farming	1	Nov, 2023	3days	On	11	3	14	7	4	11	25	
	Commercial management of scientific goat farming	1	July, 2023	3 day	On	5	2	7	15	3	18	25		

		Brooding management in a poultry farm	1	May, 2023	1 day	Off	9	3	12	8	5	13	25	
		Zoonotic diseases of livestock and their importance	1	May, 2023	1 day	Off	9	3	12	8	5	13	25	
		Production and scientific management practices of Dairy farming.	1	May, 2023	1 day	Off	9	3	12	8	5	13	25	
	Extension Personnel	Fertility management in Dairy cows	1	Aug, 2023	1 day	On	9	2	11	9	5	14	25	
		Bio security measures in a farm premises	1	Jan, 2024	1 day	Off	5	2	7	15	3	18	25	
<b>Vocational training programmes</b>	Rural Youth	Entrepreneurship development of rural women through Goat farming	1	Jan, 2024	5 days	Off	5	2	7	15	3	18	25	

**Discipline: Agricultural Extension/ Agricultural Economics/ Agricultural Statistics****Name of the concerned Subject Matter Specialist: Dr. Hiranya Kumar Baruah. Mobile No.:7002648570****E-mail address:hiranya.baruah@aau.ac.in**

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 Total
								M	F	Total	M	F	Total	
<b>On farm testing</b>	Formation of Groups													
	Benchmark Survey (PRA etc)	PRA Exercise : 2Nos				Sidli and Borobazar Block	April23 to Mar24	40	10	50	40	10	50	100
	Impact Assessment	Comparative assessment of mushroom technology adoption by women Self help groups belonging to different ethnic/communities and its impact on livelihood, income and empowerment- a study in Chirang district of Assam				Sidli and Borobazar Block	Oct 23 to Mar24	25	5	30	25	5	30	60
		Impact study on adoption of AAU's released major rice varieties verses other rice varieties with reference to yield, income in Bijni Sub-division of Chirang				Bijni Sub division	Oct 23 to Mar24	25	5	30	25	5	30	60

	Technology Backstopping													
	Dissemination time/ Loss of technologies													
	Coordination/ Convergence/ Linkages promoted/ created													
	Others (Pl. specify)													
Mandated activities	Thematic Area	Technology/ Method/ Process/ Model	Source and Year of release	Crop/ Cropping system/ Enterprise	Area (in ha.)	Location	Period and Duration	Number of beneficiaries						Grand Total
								SC/ST			General			
								M	F	Total	M	F	Total	
<b>Front Line Demonst ration</b>	Formation of Groups	-	-	-	-	-	-	-	-	-	-	-	-	-
	Benchmark Survey (PRA etc)	2	-	-	-	Sidli/ Bijni	April to Dec, 2023	25	15	40	5	5	10	60
	Impact Assessment	-	-	-	-	-	-	-	-	-	-	-	-	-
	Technology Backstopping Technology Backstopping	Scientific Oyster mushroom cultivation	2020 Bodoland University	Oyster mushroom	10 unit	Sidli and Borobaz ar Block	October23 to January24	4	24	28	4	8	12	40
	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 Month	Duration (in days)	On/Off campus	Number of beneficiaries						Remarks	
							SC/ST			General				Grand Total
							M	F	Total	M	F	Total		
<b>On and Off campus training programmes</b>	Farmer and Farm women	Marketing of Agricultural and Horticultural Produce	2	April, May 2023	1 1	Off Off	5 5	2 2	7 7	12 12	6 6	18 18	25 25	
		Importance of crop insurance to farmers	2	June July 2023	1 1	Off Off	5 5	2 2	7 7	12 12	6 6	18 18	25 25	
		Market led extension and information net working, communication on various agricultural activities	1	Aug 23	1 1	On Off	5 5	2 2	7 7	12 12	6 6	18 18	25 25	
	Rural Youth	Income generation from Oyster Mushroom cultivation	2	Sep Oct 2023	1 1	off off	5 5	2 2	7 7	12 12	6 6	18 18	25 25	
		Training on rural women on the processing of Bari Products	1	Nov 2023	1	Off	5	2	7	12	6	18	25	
		Employment generation through agriculture and allied sectors	2	Dec23 Jan 2024	1	On	5	2	7	12	6	18	25	
	Extension Personnel Farmers	Formation and Management of Farmers Producers Organisation in Chirang	2	Feb 2024	1	off	7	2	9	12	4	16	25	
				March 2024	1	off	7	2	9	12	4	16	25	

	NGO(including school drop-outs)														
	Others (Pl. specify)														
<b>Vocational training programmes</b>	Farmer and Farm women														
	Rural Youth														
	Extension Personnel														
	Civil Society														
	NGO(including school drop-outs)														
	Others (Pl. specify)														
<b>Sponsored training programmes</b>															<b>Sponsoring agency</b>
	Farmer and Farm women	Formation and Management of FPO	2	April 2023 May 2023	1 1	off off	7 7	2 2	9 9	12 12	4 4	16 16	25 25		NABARD
	Rural Youth	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Extension Personnel	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Civil Society	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	NGO(including school drop-outs)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others (Pl. specify)	Bio-tech Kisan Hub Skill development training on mushroom cultivation	8	Oct23 to March24	2	off	40	24	64	96	40	136	200		Bodoland University Under Biotech Kissan hub	

**Discipline: Soil Science**

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

**E-mail address:** porankishore.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/OBC			General		Grand Total	
								M	F	Total	M	F	Total	
<b>On Farm Testing</b>	Nutrient management	<b>Application of sulphur and boron in Toria</b> <b>Treatments:</b> T <sub>1</sub> : Application of Boron as basal @1.5 kg/ha and S @ 20 kg/ha in addition to recommended dose of NPK. T <sub>2</sub> : Application of Recommended dose of fertilizer in toria T <sub>2</sub> : Farmers' practice. <b>Observations to be recorded:</b> <ol style="list-style-type: none"> <li>1. Agronomic parameters</li> <li>2. Yield</li> <li>3. Soil test parameters</li> <li>4. Economic Analysis</li> </ol>	AAU,2021	A	0.39	Bijni, Sidli	Oct 2023 to February 2024	2	-	2	1	-	1	3

	Soil Acidity	<b>Furrow application of lime in Potato for improving productivity on acid soils.</b> <b>Treatments:</b> T <sub>1</sub> : Furrow application of lime @3 q/ha along with recommended dose of NPK fertilizer T <sub>2</sub> : Application of 25% of lime requirement along with recommended dose of NPK fertilizer T <sub>2</sub> : Farmers' practice <b>Observations to be recorded:</b> 1. Agronomic parameters 2. Yield 3. Soil test parameters 4. Economic Analysis	ICAR RC NEHR, Umiam, 2017	A	0.39	Bijni, Sidli	Oct 2023 to Feb, 2024	1	1	2	1	-	1	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	
Frontline Demonstrat	Soil Microbes	Response of rice to Zn solubilizing bacteria for Zn nutrition. Technology: RDF (60:20:40 kg/ha) + Zn solubilizing bacteria @ 3.5 kg/ha	AAU, Jorhat, 2020	Rice	2.0	Bijni, Sidli,	June-Nov, 2023 (150 days)	3	1	4	1	-	1	5

Mandated activities	Target group	Title of the training Programme and No. of Courses in bracket	No. of training programmes	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		
ion	Organic Production	Production of vermicompost in low cost vermicompost unit	AAU, Jorhat	-	10 units	Bijni, Sidli, Basugaon	April-March 2023	3	3	6	2	2	4	10
On and Off campus training programme	Farmer and Farm women	Role of biofertilizer and its application in different field and horticultural crops	1	April, 2023	1 day	Off	9	3	12	8	5	13	25	
		Soil testing and its importance in crop production	1	May, 2023	1day	Off	10	7	17	6	2	8	25	
		Soil and water conservation practices in dry land farming	1	June, 2023	1 day	Off	8	4	12	8	5	13	25	
		Nutrient Management in Fruits	1	Sep, 2023	1 day	Off	9	3	12	10	3	13	25	
		Integrated Nutrient Management	1	Oct, 2023	1 day	Off	11	3	14	7	4	11	25	
		Soil and water conservation practices in dry land farming	1	Nov 2023	1 day	Off	9	3	12	10	3	13	25	
	Rural Youth	Nutrient Management in vegetables	1	Nov, 2023	1 day	Off	11	3	14	7	4	11	25	
		Production of Organic inputs for organic farming	1	June, 2023	1 day	Off	5	2	7	15	3	18	25	
		Production of Organic inputs for organic farming	1	July 2023	1 day	Off	5	2	7	15	3	18	25	
		Integrated Nutrient Management	1	May, 2023	1 day	Off	9	3	12	8	5	13	25	

	Extension Personnel	Sustainable crop production through zero budget Natural Farming.	1	Aug, 2023	1 day	On	9	2	11	9	5	14	25	
		Production of Organic inputs for organic farming	1	Dec, 2023	1 day	On	5	2	7	15	3	18	25	
<b>Vocational training programmes</b>	Rural Youth	Sustainable crop production through zero budget natural farming.	1	Jan 2024	5	off	5	2	7	15	3	18	25	

**PROPOSED CLUSTER FRONTLINE DEMONSTRATION:**

SI No	Crop	Area ( ha)
<b>Oilseeds:</b>		
1	Sesamum	30
2	Toria	100
<b>Pulses:</b>		
3	Lentil	30
4	Field Pea	10
	<b>Total</b>	<b>170</b>

**Extension Activities proposed for the year 2023-24:**

SI No	Specific activity	No. Of activities	Number of beneficiaries (No.)								
			SC/ST			General			Grand Total		
			M	F	Total	M	F	Total	M	F	Total
1	Diagnostic visit	45	80	40	120	90	40	130	170	80	250
2	Advisory services/ telephone talk	850	200	50	250	450	150	600	650	200	850
3	Celebration of Important days (World Environment day, World Soil Day, Women's day, World food day, Jai Kissan Jai Vigyan, National Science Day, Yoga Divas, KVK Foundation Day, MahilaKisan Divas)	9	250	100	350	450	100	550	700	200	900
4	Exhibition/ Kisan Mela	2	150	50	200	400	200	600	550	250	800
5	Exposure visit	2	20	5	25	30	15	45	50	20	70
6	Extension literature (Leaflet/ folders/ Pamphlets)	7	-	-	-	-	-	-	-	-	0
7	News letter	1	-	-	-	-	-	-	-	-	0
8	News paper coverage	15	-	-	-	-	-	-	-	-	0
9	Research publications	2	-	-	-	-	-	-	-	-	0
10	Farm Science Clubs' Conveners meet	1	5	3	8	15	2	17	20	5	25
11	SHG Conveners meet	1	4	2	6	13	6	19	17	8	25
12	Farmers' Seminar	1	10	5	15	30	5	35	40	10	50
13	Ex-trainees' meet	1	4	1	5	15	5	20	19	6	25
14	Field days	6	30	5	35	200	15	215	230	20	250

15	Radio Talk	3	-	-	-	-	-	-	-	-	0
16	Soil Health Cards	250	200	50	250	300	55	355	500	105	605
17	Soil & water sample testing	100	30	10	40	35	25	60	65	35	100
18	Animal Health Camps	2	20	5	25	50	25	75	70	30	100
19	Awareness camp	2	25	10	35	45	20	65	70	30	100
20	Farmers Scientist Interaction	3	55	15	70	200	30	230	255	45	300
21	PRA	2	25	15	40	5	5	10	35	15	50
22	Formation and Promotion of FPO	1	15	5	20	60	20	80	75	25	100
23	SHG Group leaders bankers meet	1	5	1	6	13	6	19	18	7	25
24	Establishment of model village	1	-	-	-	-	-	-	-	-	0
25	TV programme	1	-	-	-	-	-	-	-	-	0
26	Preparation of community paddy nursery	2	36	14	50	42	8	50	78	22	100
27	Awareness programme on contingency measures for flood affected areas	2	15	5	20	60	20	80	75	25	100
28	Method demonstration	10	30	10	40	100	20	120	130	30	160
29	KMAS	500	35000	14000	49000	65000	37000	102000	100000	51000	151000
Total											

**PROPOSED SEED PRODUCTION PLAN AT KVK FARM:**

Sl. No.	Crop	Area(ha)	Variety	Expected Production (in tonnes)
1	Rice	0.4 ha	Ranjit Sub-1	1.5
		0.26 ha	Numali	1.0
2	Toria	1.5	TS-38	0.9

**PROPOSED PLANTING MATERIAL/SEEDLING PRODUCTION PLAN AT KVK FARM:**

Sl. No.	Crop	Variety	Production (No. in lakh )
1	<b>Vegetables Saplings</b>		
	Cabbage	BC-76	0.02
	Cauliflower	Hybrid	0.02
	Knolkhol	White Vienna	0.02
	Tomato	Hybrid/ Arka Abed	0.02
	Brinjal	Navkiran	0.02
	Chilli	Tejaswini	0.02
	Broccoli	Green Star	0.02
2	<b>Fruits</b>		
	Assam Lemon Cutting	Seedless	0.02
	Dragon fruit Saplings	Red Dragon	0.01
3	<b>Others</b>		
	Colocasia tuber	Abor (local)	0.2 ton
	Black pepper cuttings	Panniyur-1	0.05
	Tapioca cuttings	Local	0.03
	Arecanut seedlings	Chirang Local	0.03
	Fodder (Cutting)	Napier	0.10

**Seed production in farmer's field (Participatory Seed Production): (Under FLD and other Demonstration Programme)**

Sl no.	Crop	Variety	Area (ha)	Production (tonne)
1	Rice (Sali)	Ranjit Sub-1/ Numali	7.0	21.0
2	Toria	TS-38	2.0	1.5

**Demonstration/ Farm production in KVK Farm:**

Sl no.	Crop	Variety	Area (ha)	Exp. Production (tonne)/Nos.
2	Niger	(NG 1)	1.0	0.6
3	Toria	TS-38	0.5	0.5
4	Buckwheat	Local	0.5	0.5
5	Sesamum	Koliabor til	0.26	0.16

6	Potato	Kufri Jyoti	0.26	10.0
7	Tomato(Hybrid)	Hybrid/ Arka Abed	0.13	0.1
	Chilli	Tejwani		0.1
	Brinjal	Navkiran		0.5
	Knol Khol	White Vienna		0.5
	Cabbage	BC-76		0.5
9	Vermicompost Production	Eisenia Foetida	14 Unit	20.0
10	Azolla			0.8
11	Mushroom Spawn	Oyster	In Mushroom Lab	5.0 qt
12	Mushroom Production	Oyster Mushroom	Mushroom unit	2.0 qt
<b>Livestock &amp; Poultry</b>				
1	Local Goat	Local	Goatery Unit	12 Nos
2	Chicken	Srinidhi	Farm	1000 nos egg , Meat : 50 kg
3	Cow	Local	Farm	Milk: 300 lit, Calf: 1 No

**Other farm Development works:**

Sl.No	Name of the Programme	Area	Remarks
1	Kitchen gardening	200 m <sup>2</sup>	
2	Crop cafeteria	500 m <sup>2</sup>	
3	Farm and office gardening	300 m <sup>2</sup>	
4	Mango Block	0.13ha	Variety: Amrapalli
5	Litchi Block	0.26 ha	Variety: Bombaya
6	Guava Block	0.13 ha	Variety: Allahabad Safeda
7	Jackfruit Block	0.26 ha	Variety: Grafted
8	Apple Ber Block	0.065 ha	Variety: Ball Sundari
9	Rough Lemon Block	0.065 ha	Variety: Gol Nemu
10	Banana Block	0.13 ha	Variety: Malbhog
11	Pineapple Block	0.065 ha	Variety: Queen

**Activities proposed for Natural Farming:**

<b>SI No.</b>	<b>Name of the Activity</b>	<b>No.of Programmes</b>
1	Awareness programme for farmers on Natural farming at KVK Campus	2
2	Awareness programme for farmers on Natural farming at Farmers Field	4
3	Group Meetings for farmers on Natural farming at Farmers Field	4
4	Exposure Visit to Natural farming practicing farmers	1
5	Exhibition cum Kisan Mela on Natural farming	1

<b>SI No</b>	<b>Name of the Activity</b>	<b>No.of Programmes</b>
2	Demonstration unit on cereal based Natural Farming model at KVK Farm. ( Maize + Okra)	1
3	Demonstration unit on cereal based Natural Farming model at KVK Farm ( Maize + Cowpea)	1
4	Demonstration unit on fruit based natural farming model at KVK	1

<b>SL No</b>	<b>Name of the Activity</b>	<b>No.of Programmes</b>
1.	Training programme for farmers on Natural Farming	2
2.	Method Demonstration on Product (input) preparation for natural farming at farmer's field.	4
3.	Demonstration of vegetables under Natural Farming at farmer's field.	1
4.	Demonstration of Fodder crops at farmer's field.	1
5.	Demonstration of Oilseed at farmer's field.	1

**Editorial Committee for preparation of Annual Action Plan 2023-24**

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