

Review of Activities(2024-25)



Presented by
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SMS (Horticulture)

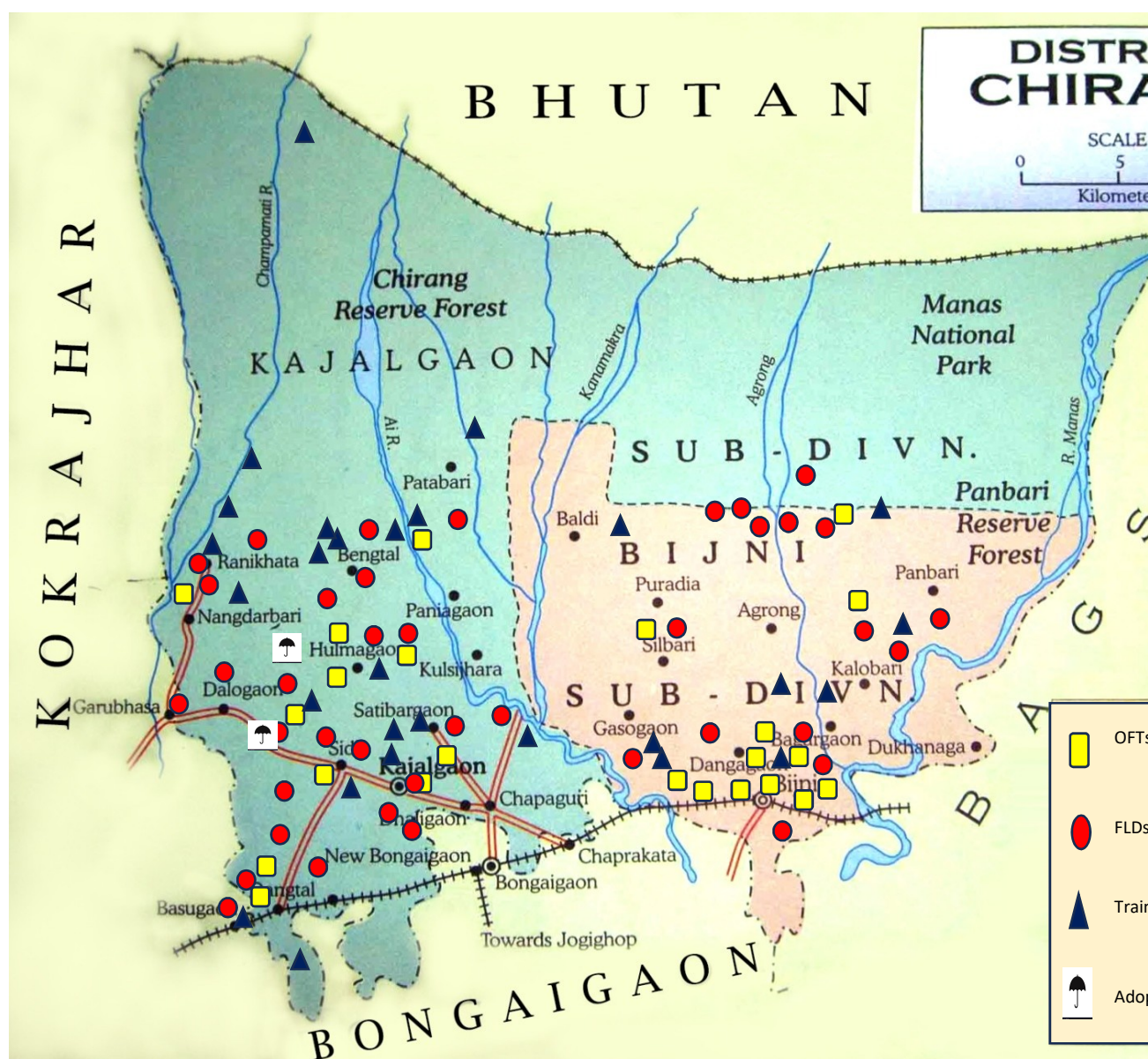
KRISHI VIGYAN KENDRA, CHIRANG
ASSAM AGRICULTURAL UNIVERSITY

ETRATION OF KVK ACTIVITIES

lars	Number
sions in the district	2 nos
in the district	2 nos
s in the district	508 nos

lars	Number
s covered in 2024-25	97
s covered	5864
omen covered	2892
farmers covered	3427
ouths covered	4529

CHIRANG : KVK Activities 2024-25



Target and Achievement of On Farm Testing

Discipline	Target	Achieved	No of farmer
Agronomy	4	4	10
Horticulture	2	2	6
Plant Protection	2	2	6
Soil Science	2	2	6
Animal Science	2	2	6
Total	12	12	34

OFT :

: Performance of newly developed purple rice variety “Labanya” in Chirang district

n diagnosed
ology details

: Lack of high yielding bio fortified coloured rice variety

: Treatments:

T₁: Labanya with RDF @ N: P₂O₅: K₂O:: 60:20:40 kg/ha

T₂: Kola Jaha (check)

of technology & year of

: AAU, 2022

with photographs :

	Plant height (cm)	Effective tiller/hill	Effective tiller/m ²	Yield (q/ha)	B-C ratio	GC (Rs/ha)	GR (Rs)	N (P)
	96.7	6	110	17.8	1.72	39000.00	66750.00	27
	107.3	5	91	15.1	1.53	37000.00	56625.00	19



Farmers' feedback: Farmers liked the variety for it's aroma & stickiness

FT :
diagnosed
gy details

technology and year of release

: Performance of new high yielding *Sali* rice variety “Prachur” in Chirang district
: Low yield of traditional long duration varieties
: Treatments:
T₁: Prachur with RDF @ N: P₂O₅: K₂O:: 60:20:40 kg/ha
T₂: Ranjit (check)
: Assam Agricultural University 2022
:

t	Plant height (cm)	Effective tiller/hill	Effective tiller/m ²	Yield (q/ha)	B-C ratio	GC (Rs)	GR (Rs)
	112.5	9-10	198-220	54.3	2.5	39000.00	97740.00
	109	8-9	185-198	52.6	2.4	39000.00	94680.00



Farmers’ feedback: The variety produced more number of effective tillers than the check variety

FT : **Performance of new submergence tolerant *Sali* rice variety “Dholi” (AAU-TTB-1) in Chirang district**

diagnosed **:Lack of medium duration submergence tolerant rice variety**

gy details **: Treatments:**

T₁: Dholi with RDF (@ N: P₂O₅: K₂O:: 60:20:40 kg/ha)

T₂: Bina Dhan 11 (Check)

technology and year of release **: Assam Agricultural University 2019**

:

t	Plant height (cm)	Effective tiller/hill	Effective tiller/m ²	Yield (q/ha)	B:C ratio	GC (Rs)	GR (Rs)	
	94	5	102	25.7	1.31	38000.00	49858.00	1
	102	7	154	32.3	1.64	38000.00	62662.00	2



Farmers' feedback: Farmers are unsatisfied with the variety Dholi for it's non synchronising nature of flowering

FT :
diagnosed
gy details
technology and year of release

: Weed management in organically grown aromatic rice (transplanted)
: Low yield of organically grown rice due to weed problem
: Treatments:
T₁: Hand weeding at 25 DAT and 45 DAT
T₂: Application of paddy straw @ 4 t/ha at 3 DAT followed by hand weeding at 45 D
: Assam Agricultural University 2024 (AICRP on Weed Management)
:

Variety	Plant height (cm)	Effective tiller/hill	Effective tiller/m ²	Yield (q/ha)	GC (Rs)	GR (Rs)	NR (Rs)	B-C
Labanya	94.5	4	88-94	15.8	38000.00	59250.00	21250.00	1.5
Labanya	94	4-5	88-101	17.2	38000.00	64500.00	26500.00	1.7

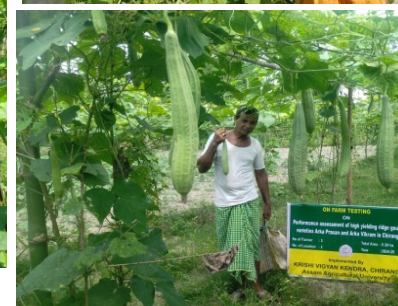


' feedback: Mulching with paddy straw resulted in good moisture & nutrients status in the root zone resulting better

FT	:	Performance assessment of early maturing ridge gourd varieties Arka Prasan and Arka Vikram in Chirang district for higher productivity
diagnosed	:	Local varieties do not have market oriented high yield
y details	:	T₁: Arka Prasan T₂: Arka Vikram Check variety: Variety used by farmer Seed rate: 1.5 kg/ha Spacing: 1.5-2.5m x 60 cm-1.2 m Fertilizer rate: 20:30:20 kg N:P:K/ha
lease	:	IIHR, Bangalore,2016
	:	0.13 ha
mers	:	3

rs	Arka Prasan	Arka Vikram	Farmers' local variety (Check)
st harvesting	49	52	61
fruit weight (g)	208.7	226.2	162.6
th (cm)	44.7	38.1	31.3
a)	15.2	16.9	12.3
t (Rs./ha)	115000.00	115000.00	100000.00
urn (Rs./ha)	380000.00	422500.00	307500.00
n (Rs./ha)	265000.00	307500.00	207500.00
	3.3	3.7	3.1

Feedback: Farmers found both the varieties profitable as both maturing variety and preferred in market



DOS: 10.6.2024

DOH: 31.07.2024

Farm Trial: Horticulture

2nd year

SOFT	:	Comparative assessment of early maturing watermelon variety Arka Shyama and Red Chief in farmers' field
diagnosed	:	- Farmers face huge loss when rain coincides with harvesting period - Cost of hybrid seed is high
ogy details	:	T₁: Arka Shyama T₂: Red Chief T₃: NS-34(check) Area: 0.13 ha, Total no of farmers:3 Seed rate: 0.5 kg/ha Fertilizer rate: 60:40:40 kg N:P:K/ha
of technology	:	IIHR,2020

DOS: 7.1.20

DOH:2.4.2025-30



Particulars	Arka Shyama	Red Chief	Check (NS-34)
Date of 1 st harvesting	85 days	92 days	106 days
Avg. fruit weight(kg)	2.6	3.0	2.7
No of fruits per plant	4-5	5-6	5-6
Yield (t/ha)	22.7	25.3	21.6
Gross cost (Rs./ha)	100000.00	112000.00	110000.00
Gross Return (Rs./ha)	454000.00	506000.00	432000.00
B:C ratio	4.5	4.5	4.0



Arka Shyama, being early in maturity and less costly as compared to other hybrid varieties, farmers earned a higher profit from the market. The variety can be suggested for late sowing after harvesting of paddy.

Management of bacterial wilt in Potato

Diagnosed: High plant mortality due to bacterial wilt

Source of techno & year of release:

ICAR, New Delhi 2019

Variety: Pokhraj

Area: 0.39

Control

Removal and destruction of infected plant debris including tubers from field
 Treatment of seed tubers of seed tubers in 0.02 % of streptocycline for 30 min
 Application of bleaching powder at 12-15 kg/ha in furrow during sowing

Bacterial wilt(%)	Tuber Size(gm)	Yield (q/ha)	Gross cost (Rs/ha)	Gross return (Rs/ha)	Net return (Rs/ha)	B:C ratio
0.00	13.58	75.0	150000.00	90000.00	60000.00	1.66
38.12	7.77	58.0	116000.00	85000.00	31000.00	1.36



Control



Farmers' feedback: Seed tuber constitute the source of inoculum. Seed treatment is effective method for decreasing the wilt disease

Field Trial: Plant Protection

2nd year

Title: Management of Fall Army Worm(*Spodoptera frugiperda*) and Stem borer (*Chilo partellus*) in Maize

Diagnosed: High plant mortality due to Fall Army Worm and Stem Borer in Maize

t:

Module comprising of

g 2times at 15 days interval starting after 15 days of germination

ation of emamectin benzoate 3% WG + thiamethoxam 12%WG @ 0.1 %

by application of chlorantraniliprole 18.5 % SC @0.025 % at 7 days interval

ol

Source of techno & year of r

Dept of Entomology,2022

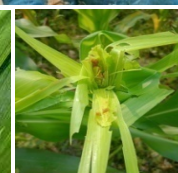
Variety: *DKC 9188*

Area: 0.39 ha

	Vegetative stage (30 - 60 DAS)	Tasseling-silking stage (60-70 DAS)	Reproductive stage (75-105 DAS)	Yield (q/ha)
	Infestation(%)			
	21	13	8	64
	35	32	23	43

	Gross cost (Rs/ha)	Gross Return (Rs/ha)	Net Return (Rs/ha)	B:C Ratio
	36000.00	96000.00	60000.00	2.7
	32000.00	63750.00	31750.00	2.0

feedback: The insecticides has higher efficacy, with ntration correlated with production of higher grain



FAW larvae



Application of sulphur and boron in toria

Variety: TS-38

Diagnosed: Soil is deficient in secondary and micronutrients.

Area : 0.6 ha Trial : 3 Source : AAU 2021

T₁: Application of Boron as basal @1.5 kg/ha and S @ 20 kg/ha in addition to recommended dose of NPK.

T₂: Application of recommended dose of fertilizer in toria.

T₃: Farmers' practice.



	Plant Height	Siliqua/Plant	Seed/ Siliqua	Yield (Q/ha)	Gross cost (Rs./ ha)	Gross return (Rs./ ha)	Net return (Rs./ ha)	B:
	85 cm	68	17	9.5	25500.00	57000.00	31500.00	2.2
	83 cm	66	16	9.2	25000.00	55200.00	30200.00	2.2
	82 cm	59	14	8.5	24500.00	51000.00	26500.00	2.0



Soil Fertility Status

	pH	OC (%)	N (kg/ha)	P (kg/ha)	K (kg/ha)
Initial	5.4	0.74	331	20.50	145
T ₁	5.7	0.85	375	29.55	162
T ₂	5.6	0.79	372	27.45	159
T ₃	5.8	0.76	342	25.44	148

Feedback: Uniform siliqua formation, good crop growth & yield

Nutrition in Lentil		On Farm Trial: Soil Sc		
Diagnosed: Soil is deficient in Zinc.		Variety: PL-9		

Method: Coating of lentil seeds with ZSB @ 50 g/kg & basal application of 15 kg ZnSO₄/ha along with recommended doses of fertilizer
Application: Application of recommended doses of fertilizer as per farmers practice

Area : 0.6 ha Trial: 3 Source :AAU -2021

Plant height	Primary branch/plant	Pod/Plant	Yield (q/ha)	Gross cost (Rs/ha)	Gross return (Rs/ha)	Net return (Rs/ha)
24.5 cm	5	55	8.7	25500.00	65250.00	39750.00
24.3 cm	4	53	8.3	25300.00	62250.00	36950.00
24 cm	4	51	8.2	25000.00	61500.00	36500.00

Soil Fertility Status					
pH	OC (%)	N (kg/ha)	P (kg/ha)	K (kg/ha)	Zn mg/kg
5.5	0.75	305	21.25	137	0.35
6.5	0.87	387	29.55	169	0.78
6.12	0.75	344	26.34	141	0.36
6.11	0.78	347	27.33	135	0.33



Assessment of Feed additives to improve milk quantity and composition in Dairy cattle.

Diagnosed: High cost of milk production, low economic returns due to low levels of fat content of milk

Source of techno & year of release
TANUVAS, 2021

Current practice (regular feeding of roughages and concentrate feed)
Sodium Bicarbonate @ 2% of concentrate mixture and Yeast.
Sodium bicarbonate @ 25-30g/day/animal and yeast bolus 2 nos/day are supplemented in addition to regular feeding. Milk and Fat content are recorded.)

(3 animals/	Milk Yield/animal/day (lt)	Fat %	SNF %	Gross cost (Rs./ treatment)	Gross Return (Rs./ treatment)	Net Return (Rs./ treatment)
	5.25	4.08	8.59	3200.00	6210.00	3010.00
	6.53	4.47	8.88	3880.00	10050.00	6170.00



Feedback: Farmers reported that use of both Sodium bicarbonate and yeast improved milk yield as well as composition and also better for preventing digestive disorder.

Performance evaluation of **Krishibro** chicken under low input small scale system of management.

diagnosed: Low productive performance of desi birds in meat production.

Performance of Krishibro as coloured
Performance of Srinidhi as dual purpose
(Farmers Practice)
Performance of commercial broiler
(neck)



Feedback: Farmers reported better performances of Krishibro in terms of body under low input small scale intensive system of management.

Source of techno & year of release:
**ICAR- Directorate of Poultry Research
Hyderabad (2020)**

Parameters	Result:	
	Krishibro	Srinidhi
Avg. body weight at		
0 day	40.5 g	38.5g
1 st week	182.5 g	165g
2 nd week	358 g	300g
3 rd week	830 g	610g
4 th week	950 g	750g
5 th week	1.48 kg	870g
6 th week	1.95kg	1.01kg
7 th week	2.36kg	1.35kg
8 th week	2.88kg	1.42kg
Age at 1 st lay egg	162 days	155 day
Avg egg production upto 4 month of laying	67 nos	82 nos

Target and Achievement of Front Line Demonstration

Discipline	Target	Achieved	No of farmers
Agronomy	2	2	15
Horticulture	4	4	28
Plant Protection	4	4	40
Soil Science	2	2	15
Animal Science	4	4	25
Crop Physiology	1	1	6
Total	18	18	131

Agronomy

LD

: Certified seed production of rice variety **Numoli** through participatory mode

gy details

: Scientific seed production of variety **Numoli** grown with recommended dose of fertilizer
@ N:P₂O₅: K₂O:: 60:20:40 kg/ha

	Area (ha)	Plant height (cm)	No of effective tiller/hill (no)	No of effective tiller/ m ² (No)	Yield (q/ha)	GC (Rs/ha)	GR (Rs/ha)	NR (Rs/ha)	B-C
	5	134	11	256	39.8	39000.00	82320.00	43320.00	2.1
	-	132	7	216	30.4	38000.00	63420.00	25420.00	1.6



al spread of the technology: The seed production technology of the medium duration paddy variety **Numoli** has been farmers covering four villages.

Agronomy

LD

: Certified seed production of Toria variety TS-38

y details

: Scientific seed production of Toria variety TS-38 grown with recommended dose of fert
@ N:P₂O₅: K₂O:: 40:35:15 kg/ha

	Area (ha)	Plant height (cm)	No of siliqua / plant (no)	No of seed/ siliqua (no)	Yield (q/ha)	GC (Rs/ha)	GR (Rs/ha)	NR (Rs/ha)
o)	2.0	84.6	56	17	8.8	20000.00	50512.00	30512.00
k)	-	82.1	38	16	5.7	18000.00	32718.00	14718.00



spread of the technology: The seed production technology of the Toria variety TS-38 has been taken up by around 48 villages.

Horticulture

LD	:	Popularization of biofortified cauliflower <i>var. Carotena</i> in Chirang district
Ag details	:	Spacing: 60cm X 60 cm Fertilizer dose: 80:60:60 kg N:P:K/ha Seed source: Syngenta'2020
Release	:	PoP'AAU'2021
	:	0.13 ha
farmers	:	4

.2024 DOT: 24.11.2024 DOH: 21.01.2025-04.02.2025

Parameters	Carotena	Girija (Check)
Curd formation	48	52
1 st harvesting	57	62
Fruit weight (g)	562.7	466.3
(kg/ha)	15.2	12.6
Cost (Rs./ha)	1,18,000.00	90,000.00
Return (Rs./ha)	5,32,000.00	3,78,000.00
Net return (Rs./ha)	4,14,000.00	2,88,000.00
ROI	4.5	4.2



Horizontal spread

No of villages covered: 06

Area covered: 2.0 ha

No of farmers: 25

Being an early and biofortified variety, farmers are earning a good price from the market.

Horticulture

FLD	:	Demonstration on Integration of Blackpepper in Arecanut orchard at farmers level
Technology details	:	Crop: Blackpepper Variety: Panniyur-1 Source of technology: PoP, AAU, 2021 Area: 1 ha Spacing: 2.75 m x 2.75 m
Demonstrations proposed	:	4
Farmers	:	4
)		0.13

DOP: 26.4.2024-12.5

Parameters

Plant height	32
No of primary branch	

The programme is



FLD : Horticulture

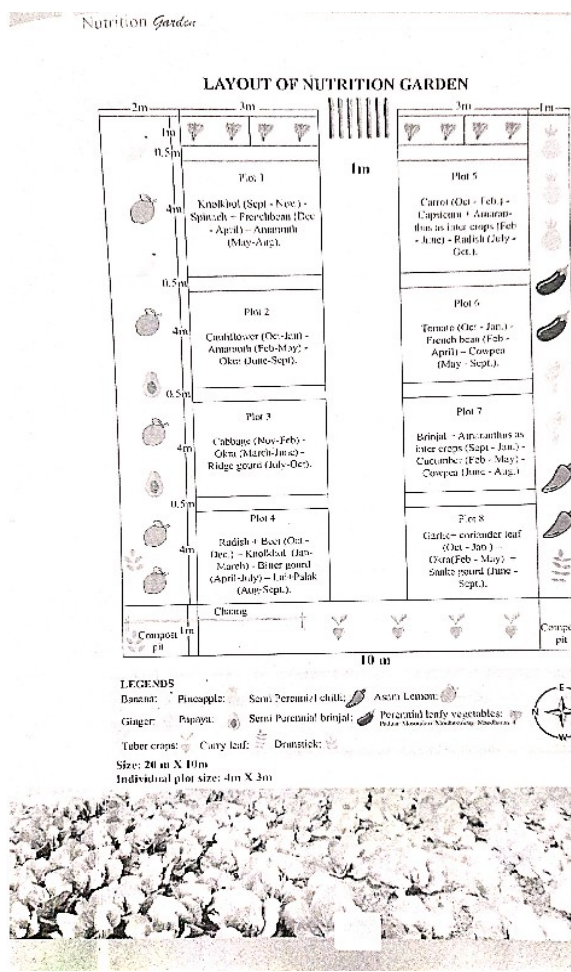
FLD	:	Demonstration on off season production of Assam Lemon in farmers field
ogy	:	Crop: Assam Lemon (6-7 years old) Variety: Seedless Practices followed: •15 cm pruning after the harvest of the main crop •Withholding water in the last week of October •Root exposure for 7-10 days followed by trimming of lateral roots •Three irrigations at 15 days interval @ 15 lit/plant combined with black polythene (50 micron) mulching during 1st week of November
f gy emo	:	HRS,AAU, Kahikuchi, 2019
emo	:	10
farmers	:	10

Particulars	Demo
Days to 1 st flowering after treatment	88.6 days
Date of 1 st harvesting after treatment	168.6 days
No of fruits per plant	292.7
Yield (t/ha)	14.1
Gross cost (Rs./ha)	120000.00
Gross Return (Rs./ha)	634500.00
B:C ratio	5.3



Horticulture

FLD	:	Establishment of Nutrition Garden in farmers field
ogy details	:	Crop: Seasonal: Cabbage, Cauliflower, Broccoli, Knolkhol, Frenchbean, Tomato, Brinjal, Chilli, Lai, Palak, Amaranthus, Coriander Annual : Papaya, Turmeric, Ginger Perennial: Curry leaf, Assam lemon Area : 200 sq.m No of plots : 12 Plot size : 3m x 2 m Total unit : 10 units (200 sqm each)
emonstrations	:	10





Average production and consumption of vegetables per household

Particulars	Before intervention	After intervention	Difference	Per cent change
Production (Kg)	162.3	320.6	+158.3	97.5%
Consumption (Kg)	254.8	377.5	+122.7	48.2%
Surplus (Kg)	134.6	78.9	-55.7	-41.3%



Plant Protection

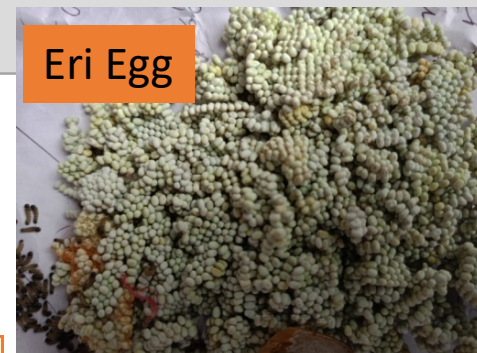
Rearing performance of Eri silkworm on tapioca leaves for additional income of tribal women

	No of unit	Larval duration(days)		Insect infestation (%)		Cocoon Yield %	
		Demo	Check	Demo	Check	Demo	Check
	20	23	32	5	18	89.12	60.12

	Gross cost (Rs/ha)	Gross Return (Rs/ha)	Net Return (Rs/ha)	B:C Ratio
	35000.00	187000.00	152000.00	5.34
	32000.00	163000.00	131000.00	5.09



Eri Egg



1st Instar Larval Stage



5th Instar Larval Stage



2 & 3rd Instar Larval Stage



Pupa cocoon

Plant Protection

Insect Pest Management of Assam Lemon

Variety	: Assam
Lemon (Seedless)	
Demo	: 5
Area	: 1 ha
Source	: AAU,

Technology: Smear the tree trunk up to 1m of height from the base with 50 ml Dimethoate + 2 kg lime/ 10 litres of water for trunk borer and bark eating caterpillars during March-April.

Parameter	Trunk borer(%)	Bark eating caterpillar(%)	Yield (q/ha)
Before treatment	12	7	350
After treatment	26	17	310

Parameter	Gross cost (Rs/ha)	Gross Return (Rs/ha)	Net Return (Rs/ha)	B:C Ratio
Before treatment	110000.00	350000.00	240000.00	3.18
After treatment	105000.00	310000.00	205000.00	2.95

Horizontal spread of technology

No of village covered: 16

No of farmers: 100



Plant Protection

Scientific bee keeping for increasing agricultural productivity

Key details: Rearing of Indian honey bee hive (ISI A type) @ 5 Nos./ha crop land or
one bigha land area .
Species: *Apis cerena*

Horizontal spread of technology
No of village covered : 8
No of farmers : 35

Enterprise	No of unit	Avg. yield	B:C Ratio (Demos)
Honey bee	10	Average honey production 18 kg/Bee hive per year (@500 per kg honey)	3.00 Net return 6000/- per box



Distribution



Plant Protection

Scientific cultivation of Oyster mushroom for self Employment

Key details: Cultivation of Oyster Mushroom for economic upliftment and nutritional
 benefit of rural community
 Time period- March

Var: *Pleauratus ostreatus*

	Average cost of cultivation	Rate (Rs/Kg)	Avg. Gross Return (Rs/Bed)	Avg. Net Return (Rs/Bed)	B:C Ratio
	Rs.50/-	150.00	345.00	295.00	6.9
	Weight of Mushroom in 1 st picking/bed				950 gm
	Weight of Mushroom in 2 nd picking/bed				659gm
	Weight of Mushroom in 3 rd picking/bed				450 gm
	Weight of Mushroom in 4 th picking/bed				250 gm
	No of Picking				4 times
	Avg. Yield per Mushroom bed (Kg)				2.3



Horizontal spread of te
No of village covered: 2
No of farmers : 2



Exploitation of potash solubilizing bacteria in reduction of potassic fertilizers in rice

: NPK @ 60:20:20 (kg/ha) + Microbial consortia of KSB @ 3.5 kg/ha.

Variety: Ranjit sub-1

Demo : 5
Area : 2 ha
Source : AAU, 20



Treatment	Plant Height (cm)	Tiller /hill (nos)	Effective Tiller /hill (nos)	Grain panicle
Demo	121	17	15	202
Check	119	16	14	200

Treatme nt	Yield (q/ha)	Gross cost (Rs/ha)	Gross return (Rs/ha)	Net return (Rs/ha)
Demo	47.0	44500.00	98700.00	54200.00
Check	45.5	44200.00	95550.00	51350.00



Soil Fertility Status				
	pH	OC (%)	N (kg/ha)	P (kg/ha)
Initial	5.13	0.75	301	21.25
Demo	5.7	0.89	387	29.55
Check	5.08	0.77	344	26.34

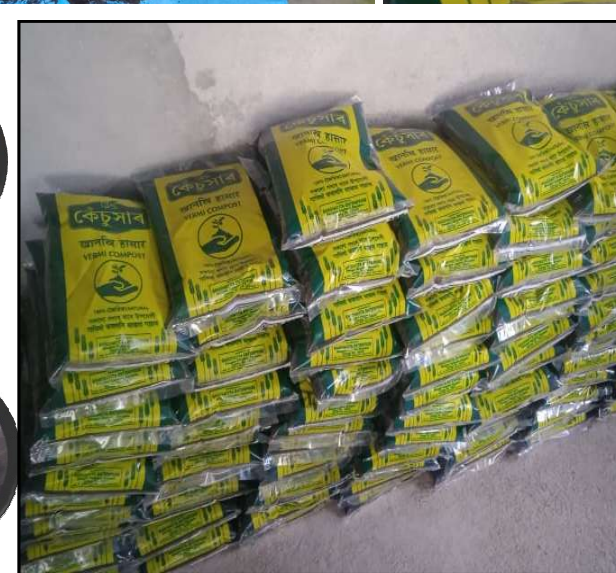
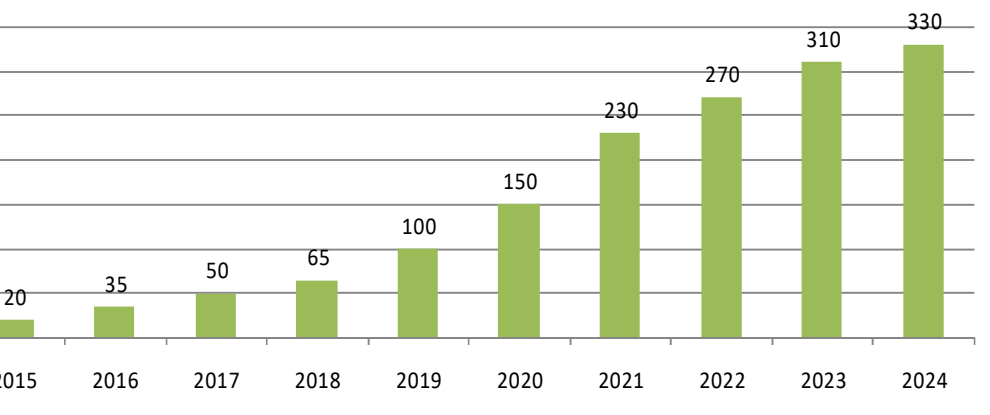
Horizontal spread of technology: Horizontal spread is KSB consortia is not available in market

roduction of Vermicompost in low cost Vermicompost unit

Units	Yield (q/unit)	Gross Cost (q/unit)	Gross Return (q/unit)	Net return (Rs/unit)	B
	9.5	3000.00	9500.00	6500.00	



farmers engaged in Vermicomost production in Chirang district



Animal Sc

**aring of Assam Hill Goat as a successful venture for livelihood
rovement**

area: Breed conservation

onstration : 4 (1 male + 2 female per demo)

gy selection : Assam Hill Goat

Goat Research Station, Barnihat, C.V.Sc Khanapara

Growth Parameters:

Parameters	Value
Avg. body weight at birth	1.47k
Avg. body weight at 3 month	4.46k
Avg. body weight at 6 month	8.60k
Avg. body weight at 9 month	11.0k

Economic Parameters:

Parameters	Va
Avg. Age at puberty	27
Avg. kidding intervals	24
Length of estrous cycle	21
Avg. age at 1 st kidding	44
Gestation Length	14
Incidence of Twin birth	62

Horizontal spread of technology:

No of village covered : 18

No of farmers : 60



Animal Sc

Rearing of Srinidhi as dual purpose chicken under backyard system of management

Area: Breed introduction

Demonstration : 10

Selection: Srinidhi Chicken

Location: DPR Hyderabad, 2015

Details: Technology selected was Srinidhi chicken as dual purpose reared under backyard system of management. Data generation on growth and productive performance of Srinidhi chicken was recorded as the technological

Parameters	Srinidhi
Avg. body weight at 0 day	38.5g
Avg. body weight at 1 st month	350g
Avg. body weight at 2 nd month	750g
Avg body weight at 3 rd month	1.20kg
Avg. body weight at 4 th month	1.70g
Avg. body weight at 5 th month	2.25 kg
Age at 1 st lay of egg	155 days
Av. Egg production up to 4 month of laying per hen	82 eggs
B:C ratio for egg production	2.81



Spread of technology:

Covered : 6

Uncovered : 22

Animal Sc

White Pekin duck rearing as income generating activity for women

Demonstration: 10 (20 nos ducklings each)

Technology: Evaluation of the growth performance of meat type ducks reared in partial confinement system for 56 days (8 weeks) under feeding with broiler ration.

Practice: Rearing of low producing desi duck (Pati)



Horizontal spread of technology:
No of village covered : 14
No of farmers : 45

Growth Parameters:

Parameters	Value
Avg. body weight at 0 day	52.5g
Avg. body weight at 1 week	210.2
Avg. body weight at 2 nd week	470 g
Avg. body weight at 3 rd week	960kg
Avg. body weight at 4 th week	1.28 k
Avg. body weight at 5 th week	1.67 k
Avg. body weight at 6 th week	1.92kg
Avg. body weight at 7 th week	2.33 k
Avg body weight at 8 th week	2.85kg

Economic Parameters:

Parameters	Val
Body weight gain at 60 days	2.8
Total feed intake	11.8
Feed conversion ratio	4.21
Survivability	100
Dressing percentage (Skin intact with the carcass)	70.5
B:C ratio for meat production	2.92

Animal Sc

Rearing of Kalinga Brown as dual purpose chicken under intensive management

Area: Breed introduction

Demonstration : 1 (at KVK Demo Unit)

Selection: Kalinga Brown Chicken (RIR x White Leghorn)

Central Poultry Development Organization, Odisha

Details: Technology selected was Kalinga Brown chicken as dual purpose chicken reared under intensive system of management. Data on growth and productive performance of Kalinga Brown chicken reared as the technological outcome

Parameters	Kalinga Brown
Avg. body weight at 0 day	35.5g
Avg. body weight at 1 st month	250g
Avg. body weight at 2 nd month	620g
Avg body weight at 3 rd month	900g
Avg. body weight at 4 th month	1.25g
Avg. body weight at 6 th month	1.7 kg
Age at 1 st lay of egg	142 days
Av. Egg production up to 4 month of laying per hen	130 eggs
Average egg weight	55g



Crop Production

LD : Integrated crop management of Buckwheat in rice buckwheat cropping sequence
Key details : ICM **Var:** Gossaigaon Local **N:P:K= 20:10:10 (kg/ha)**

	Area (ha)	Avg. Plant height (cm)	Avg. No of primary branch	Yield (q/ha)	GC	GR	NR	B
n local	2.0	67.5	5	8.5	15000.00	42500.00	27500.00	2
	0.06	65.0	4	7.0	14000.00	35000.00	21000.00	2

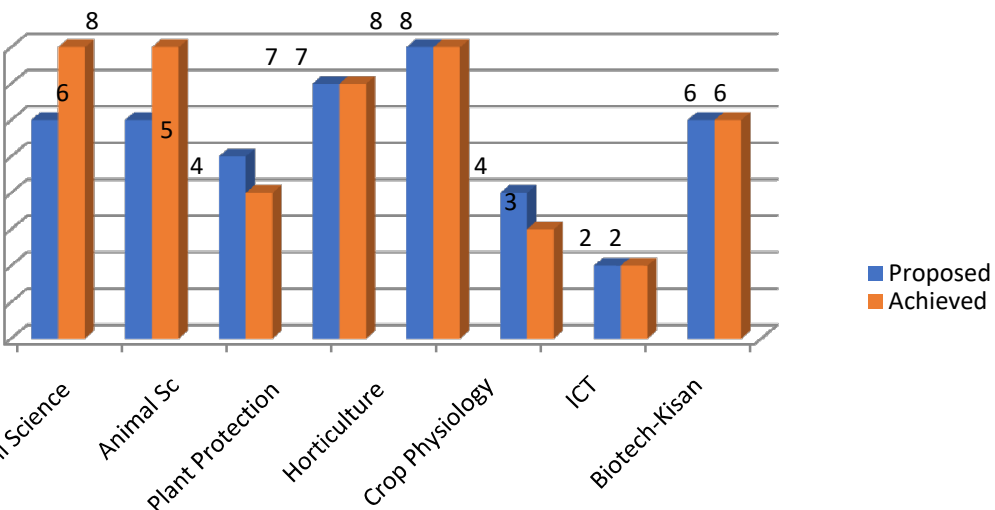


spread of the technology: The ICM technology of buckwheat, has been taken up by around 30-35 % farmers in the c

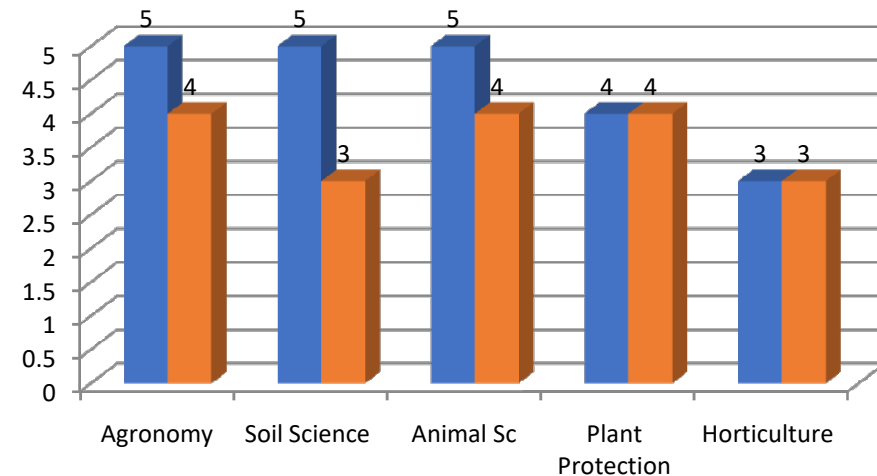
Target and Achievement of one day Training programmes

Discipline	Target	Achieved
Agronomy	11	11
Plant protection	10	10
Horticulture	11	11
Animal Science	11	11
Soil Science	11	11
Crop Physiology	4	4
ICT	4	4
Total	62	62

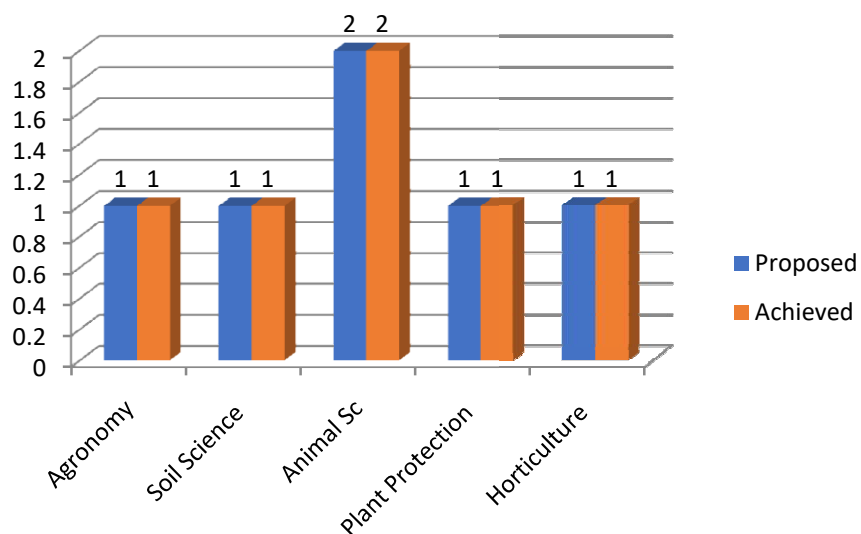
Training for farmers & farm women



Training for rural youth



Training for extension functionaries



Training Programmes 2024-25

Photographs of Training Programmes



Vocational/ Skill training programmes:

Discipline	Target group					
	Farmers/ farm women		RY		EF	
	Nos. Proposed	Nos. achieved	Nos. Proposed	Nos. achieved	Nos. Proposed	Nos. achieved
Protection	-	-	2	2	-	-
Culture	-	-	1	1	-	-
Science	-	-	1	1	-	-
Total	-	-	4	4	-	-



Vocational Training Programmes under Plant Protection: 2 Nos



Scientific Bee keeping



Entrepreneurship development of rural women through year round cultivation of mushroom and value addition of mushroom

Vocational Training Programmes under Horticulture: 1 No



Entrepreneurship development of rural women through processed food products making from locally available fruits and vegetables

Vocational Training Programmes under Animal Science: 1 No



Scientific pig production practices & value addition of pork

Target & Achievement of Seed Production

No.	Activity	Target	Achievement
	Seed (Sali paddy)- Ranjit Sub1	10.0 qt	7.6 q
	Seed (Sali paddy)- Numoli	7.2 qt	5.7 q
	Seed (Niger)	1.5 qt	1.0 q
	Seed (Buckwheat)	1.5 qt	1.0 q
	Seed (Toria)	5.5 qt	6.16 q
	Seed (Sesame)	0.75 qt	0.50 q
	Planting material (Assam lemon, Black pepper, Dragon fruit, Arecanut, fodder cuttings etc)	34500 nos	37534 nos

Capital Services

Activity	Target	Achievement
Service (No of Msg)	-	60
Sarathi (Till August 2025)	5000	9200

Photographs:



Entrepreneurship generation through High Value Horticultural Crops



Akbor Ali could not run the family smoothly due to low income and traditional method of cultivation by his family he was not aware of any improved cultivation practices and modern technology of agriculture. After rice harvesting his field mostly remain fallow without any crops. During this period, he had none to work and left as such without. Due to such poor economic condition, Akbor Ali could not continue his education beyond class X. After the death of Akbar joined in a construction Company to earn his livelihood. But he was not satisfied with the work and left the Construction Company and decided to engage himself in farming with innovative ideas and technologies

Mr. Ali Ahmed
M. Khim Deulguri

Class X
002390530



After attending training & various programmes of KVK & Dept of Agriculture, he adopted the following new technologies in his farm:

1. Mixed and inter cropping of fruit crops
2. Adoption of Solar Pump, drip & sprinkler irrigation in his farm
3. Scientific cultivation of Dragon fruits, Asam Lemon, Arecanut, Orange and it's saplings production
4. Scientific cultivation of Apple ber, water melon, banana & pine apple
5. Established Green house and poly house at his farm
6. Establishment of Horticulture Nursery at his farm
7. Scientific management of fish pond
8. Production of quality planting materials



Crops	Gross Income (Rs.)	Gross Cost (Rs.)	Net income (Rs.)
Dragon Fruits	3000000.00	14,000000.00	16,00000.00
Apple ber	750000.00	400000.00	350000.00
Water melon	562500.00	262500.00	
Mosumbi	675000.00	250,000.00	
Assam Lemon	375000.00	200000.00	
Planting material Production (per year)	1200000.00	500000.00	

Total Annual Income from All sources: Rs

External Funding

Name of Project/Programme	Amount (Rs.)	Source of funding
Capacity Development programme promotion of double cropping (NABARD)	10000.00	NABARD
Plantation of bamboo in block/boundary in farmers field under state bamboo development agency	109069.00	State Bamboo Development Agency
1st and 2nd year maintenance of block plantation on farmers's field under State Bamboo Development Agency	162000.00	State Bamboo Development Agency
Promotion of pulse in NEH Region under IIPR-Kanpur (Kharif)	83620.00	IIPR, Kanpur
Promotion of pulse in NEH Region under IIPR-Kanpur (Rabi)	182700.00	IIPR, Kanpur
Agri Tech Kishan Hub Bodoland University	200000.00	Bodoland University
Promotion of Double cropping in Assam ICAR DRMA	47290.00	ICAR DRMR
Promotion of pulse (ICAR, IIPR, Kanpur)	24000.00	IIPR, Kanpur
Input Dealer Training Programme	300000.00	Self Financed
GO cost (2024-25)	40870.00	NABARD

Infrastructure /Demo Unit development

Name of Project/Programme	Amount (Rs.)	Source of funding
Construction of input production house under Natural farming	66530.00	ICAR
Construction of dairy unit of natural farming at KVK	36735.00	ICAR



Revenue generation:

No.	Activity	Quantity produced	Revenue Earned
	Seed (Sali paddy)- Ranjit Sub1	7.6 q	303
	Seed (Sali paddy)- Numoli	5.7 q	217
	Seed (Niger)	1.0 q	37
	Seed (Buckwheat)	1.0 q	33
	Seed (Toria)	6.16 q	567
	Seed (Sesame)	0.50 q	74
	Planting material (Assam lemon, Black pepper, Dragon fruit, Arecanut etc)	10375 nos	849
	Livestock production	16 nos. (Goat kids), poultry eggs, poultry meat etc	938
	Bio-inputs	218.86 q (Vermicompost)	3883
	Any other (Hall rent, vegetables, vegetable seedlings, mushroom spawn, fresh mushroom, milk, pad & pen etc)	-	2976
			988

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Seasonal Garden at KVK, Chirang



New Initiative

Initiative	Source
Farmer to farmer seed exchange through FPC	KVK Intervention
Engagement of successful entrepreneur as master trainer in training and awareness programme of KVK	
Distribution of quality seed and planting material through FPC for distribution to farmers	
Ensuring Assured market and price by involving Farmers in Contract farming through FPC Manipur Joha Rice Producer Co.Ltd involved in Contract farming of Potato with Pepsico	
Expansion under Coconut through area expansion programme of Coconut Development	



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CFLD on Kharif Oilseeds

Crop	Area (ha)	Location	No. of farmers	Average yield (q/ha)
Sesamum (Mampawati)	20	Pubkhamarpara, Borpathar, Dadgiri, Subaijhar, Shantipur, Silbari	52	6.4



Gross Cost (Rs/ha)	Gross Return (Rs./ha.)	Net Return (Rs./ha.)	B:C Ratio
19500.00	64000.00	44500.00	3.2

CLUSTER FRONTLINE DEMONSTRATION ON OILSEED(RABI)

of crop	Variety	Area (ha)	Location	No. of farmers	Average Yie
ria	TS 38	50	Bijni and Sidli Block	110	8



Gross Cost (Rs/ha)	Gross Return(Rs./ha.)	Net Return (Rs./ha.)	B:C R
22500.00	45375.00	22875.00	2.02

CLUSTER FRONTLINE DEMONSTRATION ON MAIZE

of crop	Variety	Area (ha)	Location	No. of farmers	Average Yield
Maize	Hybrid Corn 9544	20	Bijni and Sidli Block	53	52



Gross Cost (Rs/ha)	Gross Return(Rs./ha.)	Net Return (Rs./ha.)	B:C Ratio
43000.00	105500.00	62500.00	2.45

Achievements Under Projects

of the project	Target	Salient Achievements
ion of Double Cropping: AAU ve	40.0 ha	40.0 ha under Sali rice 25.0 ha under Toria 15.0 ha under Lentil
EH	Kharif pulse: Blackgram : 15.0 ha Greengram :5.0 ha Rabi pulse: Lentil : 30.0 ha Field pea : 5.0 ha	Kharif pulse: Blackgram : 15.0 ha Greengram : 5.0 ha Rabi pulse: Lentil :30.0 ha Field pea : 5.0 ha
Bamboo Plantation in Farmers'	9.0 ha	9.0 ha
ishment of Regional Coconut y under CDB	Capacity 1000 seedlings	1000 seedlings
a -KISAN programme of nd University	Training: 4 nos Training on value addition: 2 nos Formation of farmers group: 1 no	Training : 4 nos Training on value addition: 2 nos Formation of farmers group :Ong

Promotion of Double Cropping:: AAU Initiatives

Programme : Promotion of double cropping through Sali rice – Toria/ Lentil cropping sequence

Details : Scientific cultivation of Rice followed by Toria/ Lentil

1st Crop : Rice (Var. Numoli) with RDF (@ N:P₂O₅: K₂O:: 60:20:40 kg/ha)

**2nd crop : Toria (Var. TS-38) with RDF (@ N:P₂O₅: K₂O:: 40:35:15 kg/ha) and
Lentil (Var. IPL -220 with RDF (@ N:P₂O₅: K₂O:: 40:35:15 kg/ha)**

Photographs (Crop: Rice):-

Area (ha)	Plant height (cm)	No of effective tiller/hill (no)	No of effective tiller/ m ² (No)	Yield (q/ha)	GC (Rs/ha)	GR (Rs/ha)	NR (Rs/ha)	B-
40	135.6	8-9	198	37.8	39000	77112	38112	



Promotion of Double Cropping:: AAU Initiatives

programme : Promotion of double cropping through Sali rice – Toria/ Lentil cropping sequence

details : Scientific cultivation of rice followed by Toria/ Lentil

1st Crop: Rice (Var. Numali) with RDF (@ N:P₂O₅: K₂O:: 60:20:40 kg/ha)

**2nd Crop : Toria (Var. TS-38) with RDF (@ N:P₂O₅: K₂O:: 40:35:15 kg/ha) and
Lentil (Var. IPL -220 with RDF (@ N:P₂O₅: K₂O:: 40:35:15 kg/ha)**

1 photographs (Crop: Toria):-

	Area (ha)	Plant height (cm)	No of siliqua / plant (no)	No of seed/ siliqua (no)	Yield (q/ha)	GC (Rs/ha)	GR (Rs/ha)	NR (Rs/ha)
	25	85.6	57	17	9.1	20000	52234	32234



Promotion of Double Cropping:: AAU Initiatives

programme : Promotion of double cropping through Sali rice – Toria/ Lentil cropping sequence

details : Scientific cultivation of rice followed by toria/ lentil

1st Crop: Rice (var. Numoli) with RDF (@ N:P₂O₅: K₂O:: 60:20:40 kg/ha)

2nd crop : Toria (var. TS-38) with RDF (@ N:P₂O₅: K₂O:: 40:35:15 kg/ha) and

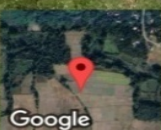
Lentil (Var. IPL -220 with RDF (@ N:P₂O₅: K₂O:: 40:35:15 kg/ha)

n photographs (Crop: Lentil):-

	Area (ha)	Plant height (cm)	Primary branch/plant	No of pod/plant	Yield (q/ha)	GC (Rs/ha)	GR (Rs/ha)	NR (Rs/ha)
	15	23.7	4-5	52	8.4	24500	63000	38500



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Promotion of Pulses under IIPR-NEH Component

Programme : Scientific Cultivation of Kharif Blackgram in Chirang district

Details : **Variety**: SBC 40 **RDF** (@ N:P₂O₅: K₂O:: 10:35:15 kg/ha)

Photographs :

	Area (ha)	Plant height (cm)	Primary branch/plant	No of pod/plant	Yield (q/ha)	GC (Rs/ha)	GR (Rs/ha)	NR (Rs/ha)
m	15	23.7	4-5	42	6.1	21000	36600	15600



Observation: The crop is highly affected by YMV at later Stage i.e before maturity which result in reduction of Yield.

Promotion of Pulses under IIPR-NEH Component

Programme : Scientific cultivation of Kharif Greengram in Chirang district

Details : **Variety**: SGC 16 **RDF** (@ N:P₂O₅: K₂O:: 10:35:15 kg/ha)

Photographs:

	Area (ha)	Plant height (cm)	Primary branch/plant	No of pod/plant	Yield (q/ha)	GC (Rs/ha)	GR (Rs/ha)	NR (Rs/ha)	B
	5	37.4	5-6	56	7.8	22500	54600	32100	2



Promotion of Pulses under IIPR-NEH Component

programme : Scientific cultivation of Lentil in Chirang district

details : **Variety:** PL 9

RDF (@ N:P₂O₅: K₂O:: 10:35:15 kg/ha)

n photographs :

	Area (ha)	Plant height (cm)	Primary branch/plant	No of pod/plant	Yield (q/ha)	GC (Rs/ha)	GR (Rs/ha)	NR (Rs/ha)
	30	26.2	4-5	49	8.1	24500	60750	36250



Promotion of Pulses under IIPR-NEH Component

of the programme: Scientific cultivation of Field pea in Chirang district

Crop	Variety	Area (ha)	Total no of farmers	Yield (q/ha)	GC (Rs/ha)	GR (Rs/ha)	NR (Rs/ha)	B:C
Field Pea	HFP 715	5	66	13.2	35,000.00	66,000.00	31,000.00	1



Plantation of Bamboo under Bamboo Mission

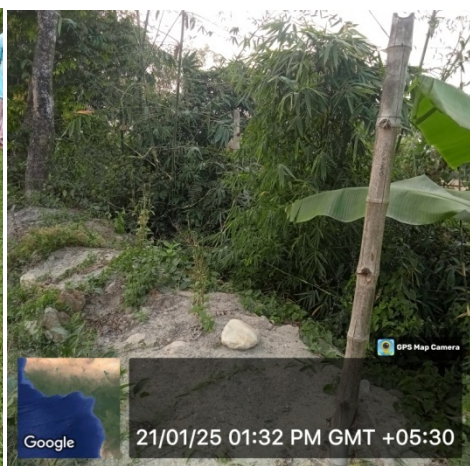
f plantation

Year 2023-24 : 1 ha

Year 2024-25: 8 ha

village covered: 11

farmer: 40



Development of Regional Coconut Nursery at KVK Farm

Received	Fund spent (31.3.2025)	Activities completed		Germination Status
		No	Area (ha)	
000.00	50,000.00	1	1000 no of nuts planted in the nursery.	70 %



Krishi Science Application Network for upliftment of cultivation of Mushroom, value added mushroom products & production for rural entrepreneurs of Chirang for livelihood generation



**Total No training :- 6 nos.
Mushroom cultivation: 4 nos
Value added product : 2 nos.**



**Training on
Value added product : 2 nos.**



in Krishi Science Application Network for upliftment of cultivation of Mushroom, value added mushroom products & production for rural entrepreneurs of Chirang for livelihood generation



Training on Mushroom cultivation: 4 nos



Percentage of trainees who started their own enterprise:

No.	Discipline	No. of trainees	Nos. converted to Entrepreneur
	Horticulture	25	3
	Plant Protection	57	21
	Animal Science	25	7
Total		107	31

Special training programmes:

No.	Title of the training	No. conducted	No. of participants
	Rural Horticultural Work Experience Programme(RHWEP)	1	26
	Empowerment of farmers towards double cropping sponsored by NABARD	1	26
	Self Financed Input dealer Training programme	1	25
	District Level Workshop on Scientific Cultivation of Coconut (Sponsored by CDB, Guwahati)	1	98

Entrepreneurship generation through production of Vermicompost.

Mrs Jonali Chakraborty is a women with an indomitable spirit and a passion for hardwork. She came in contact with Krishi Vigyan Kendra (KVK), Chirang through a training programme on vermicompost production technology in 2019. She came to know about vermicompost for the first time in the training programme. After understanding the technology she was interested in adopting the production of vermicompost as enterprise.

Jonali Chakraborty
Sugaon, Chirang

706912880



Under the guidance of KVK Chirang, Mrs Chakraborty initially constructed two vermicompost tank . She harvested 35 q from the two tank and earned Rs 70,000. With the profit earned she constructed 3 more tanks and gradually expanded her enterprise.

- She use to market her product to various nurseries, govt departments in Chirang district. She is also looking prospects of supplying vermicompost to other districts.
- Today she has 20 no of Vermicompost tanks with a production capacity of 15-20 q per tank per year She sells her Vermicompost under the brand name Sanchayita enterprise

Year	Production	Cost of production	Gross Return (Rs)	Net Return (Rs)
2021	35 q	8000.00	70000 .00	62000.00
2022	90 q	20000.00	180000 .00	16000 .00
2023	150 q	50000.00	300000.00	240000.00
2024	300 q	97000.00	600000.00	515000.00



Vermicompost unit at Mrs Chakraborty's unit supported by KVK , Chirang



Mr. Jwngshat Basumatary
Basumatary, Vill- No 1
- Tukrajhar, PS-
ist- Chirang Pin-
r: 9101090216
LC

Slatted housed Goat farming: A way of self employment

Introduction:

- Mr. Jwngshat Basumatary after matriculation choosed goat rearing as income generating activity.
- The annual income of his family was around Rs. 2 lakhs which did not meet the family expenses.
- He came to know that the slatted housed scientific goat rearing is a beneficial enterprise.
- Now he rears a herd of 110 goats at his individual efforts

Training & Motivation

- Goat rearing is one of the important aspects in dry land farming system. In rural areas open grazing is practice for rearing of goat flocks.
- Due to the reduction in open grazing there is a need to search another alternate option i.e. stall feeding floor goat rearing method.
- Krishi Vigyan Kendra (KVK), Chirang conducted training programme on slatted floor goat rearing. He attended the training programme and came to know about slatted floor shed construction, breeding goat breed up gradation, green fodder production, concentrated feed production, disease management

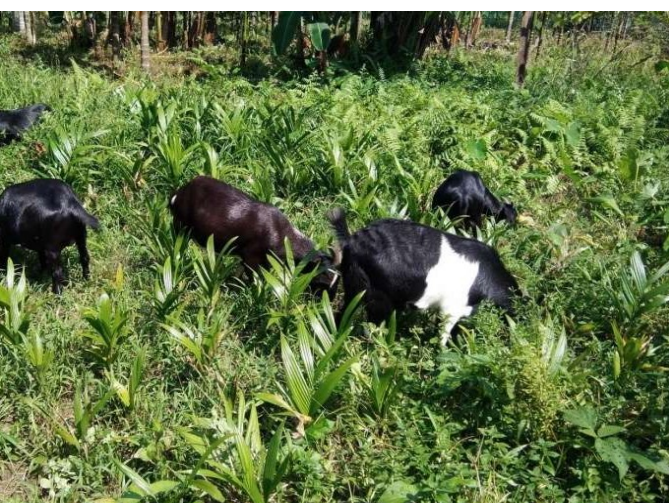
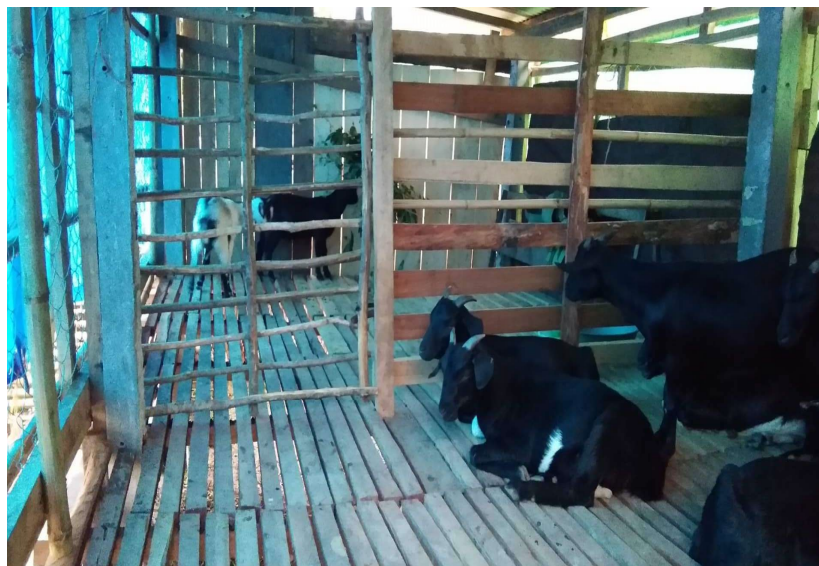
ACHIEVEMENTS:

Initially started slatted floor goat rearing shed with 10 female local goats and 5 castrated goats. Beginning he sold out the castrated male goats for meat purpose. Gradually he started producing crossbred beetal kids using Beetal bucks by KVK under FLD programme. Kids for breeding purpose are being sold for Rs. 12000/- at 4 month of age and Rs. 10000/- for female from his farm. Presently he is maintaining around 60 adult goats & 50 kids in the farm. He is earning an annual income of Rs. 7,87,500 from the sale of 50 goats (9 months age) at an average weight of 10-12 Kg. He is selling FYM to other farmers. He has identified this goat farm as a model slatted floor goat rearing unit for KVK technical programmes. He has adopted mixed fodder cultivation practices like Hybrid Napier, Fodder Sorghum, Rina grass, African tall maize for feeding goats and supplying seed to farmers. He has established Mini Concentrate Feed preparation unit and also mineral blocks at farm level to reduce feed cost.

TANCE TO FARMERS:

- His goatery unit plays as inspiration to other farmers to initiate slatted floor Goat farming.
- More than 120 farmers have visited the farm for updating their skill and knowledge on goat
- KVK conducted front line demonstration programme on Fodder Cultivation technology

Glimpse of Goat rearing



Details of Village adoption during 2024-25

No. of village adopted : 02

Interventions initiated :

1. Demonstration of Toria
2. Demonstration on Assam Lemon
3. Intercropping of Assam Lemon with Arecanut
4. Demonstration on Lentil
5. Demonstration on kharif Blackgram
6. Demonstration on Buckwheat
7. Demonstration on Sali rice
8. Training on ICT
9. Training on Toria
10. Field day on Toria
11. Plantation of Bamboo in farmers field

Village Adoption 2024-25

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1. Demonstration of Toria
2. Demonstration on Assam Lemon
3. Intercropping of Assam Lemon with Arecanut
4. Demonstration on Buckwheat
5. Training on ICT
6. Training on Toria
7. Field day on Toria
8. Plantation of Bamboo in farmers field

nta:
phy
ulation: 1242
: 623
: 619
n: Farming
rich farmer : 16
poor farmer: 299

Time line:

1. Demonstration of Toria : November, 2024
2. Demonstration on Assam Lemon : October, 2024
3. Intercropping of Assam Lemon with Arecanut: October, 2024
4. Demonstration on Buckwheat : November, 2024
5. Training on ICT : August, 2024
6. Training on Toria : December, 2024
7. Field day on Toria : February, 2025
8. Plantation of Bamboo in farmers field : October, 2024

Farmers motivated to cultivate Toria, Lentil & Buckwheat crop from this year as new enterprise.

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Farmers
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Village Adoption 2024-25

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1. Demonstration of Toria
2. Demonstration on Lentil and Kharif Blackgram under IIPR
3. Demonstration on Rice variety Numoli under Double Cropping
4. Participatory seed production of Sali rice var.: Numoli
5. Training on Scientific cultivation of Lentil
6. Training on Scientific cultivation of Toria
7. Field day on Toria

nta:
phy
ulation: 1141
: 558
: 583
n: Farming
rich farmer : 46
poor farmer: 180

Time line:

- | | |
|---------------------------------------|------------------|
| 1. Demonstration of Toria | : October, 2024 |
| 2. Demonstration on Lentil | : November, 2024 |
| 3. Demonstration on kharif Blackgram | : August, 2024 |
| 4. Demonstration on Rice var.: Numoli | : June, 2024 |
| 5. Training on Lentil | : November, 2024 |
| 6. Training on Toria | : November, 2024 |
| 6. Field day on Toria | : February, 2025 |

Farmers motivated to cultivate HYV of Toria & Lentil from this programmes.

Demonstra
Toria, Lentil

Yield of T
9.2 q/h

Yield of Ri
q/ha

Yield of Bla
6.5 q/l

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Activities under Natural Farming

	Various Activities	No. conducted
1	Awareness programme	1
2	Training Programme	1
3	Method Demonstration	5
4	Demonstration of vegetables	5
5	Exposure Visit	1
6	Other activities	Extension of Dairy unit, Establishment of low Cost unit



Training programme on Natural Farming



Awareness programme on Natural Farming



Exposure Visit

ievements under Natural Farming



Method Demonstration

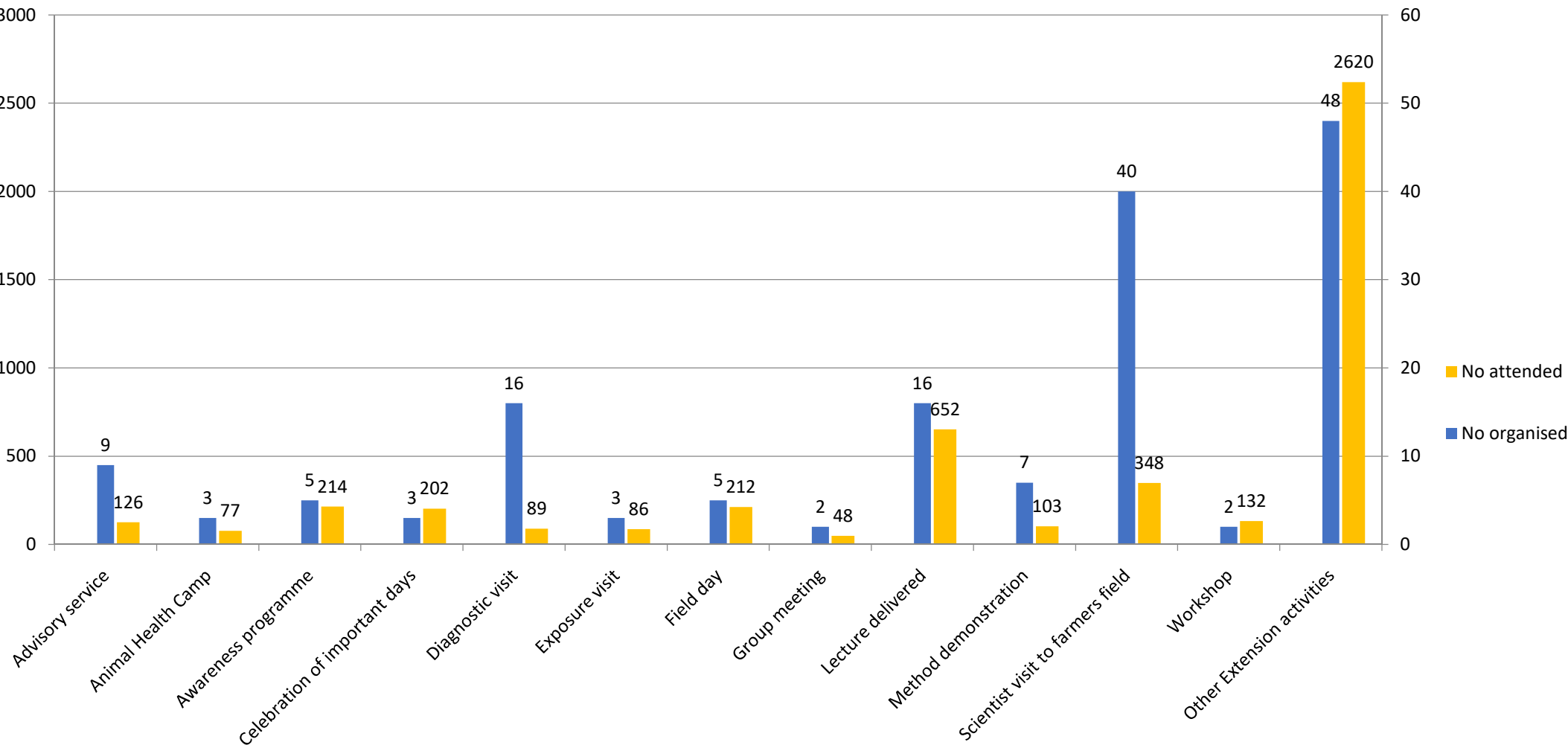
Demonstration of vegetables under Natural farming

Name of crop	Yield (q/ha)	Gross cost (Rs/ha)	Gross return (Rs/ha)	Net return (Rs/ha)	B:
Okra	90	75,000.00	2,70,000.00	1,95,000.00	3.
idge gourd	65	50,000.00	1,30,000.00	80,000.00	2.
Colocassia	98	35,000.00	98,000.00	63,000.00	2.

Other Extension Activities

(with graphical representation)

Total No of Farmers: 4793



Other Extension Activities 2024-25

Photographs of Other Extension Activities



Field day on Sali Paddy (Var.- Numoli)



Workshop on Atmanirbhar



Animal Health Camp



Awareness Programme on Nutrition
National Nutrition Month

Photographs of Other Extension Activities



on of Bhaxa Gourab Saptah



Celebration of Constitution day



Workshop on scientific coconut cultivation



Ek Per Maa ke Naam



Exposure visit under Natural Farming



Foundation day of KVK Chirang

Photographs of Other Extension Activities



International day of Yoga



Kisaan Mela



Tree plantation under Amrit Brikshya Andolan



Parthenium Awareness Week

Photographs of Other Extension Activities



Swachhta Programme



Competition in connection with vigilance awareness week



World Environment day

Photographs of Other Extension Activities



Webcasting of PM's Programme



Method demonstration for preparation of Bio-Inputs for Natural Farming

ence with other organizations/ departments:

Name of organization	Nature of linkage
Department of Agriculture, Chirang	i) Association KVK scientist as resource person ii) Programme formulation and execution under CSS-ATMA iii) Member of DLCC of PM-Kisan, PMFBY, PMKSY
Department of Agriculture, BTR, Kokrajhar	i) Preparation of Impact point for BTAD at Bimonthly Zonal Workshop ii) Participation at Kisan Mela organized by Director of Agriculture, BTR
Department of Veterinary, Chirang	i) Association KVK scientist as resource person ii) Collaborative training programme
Chirang	i) Entrepreneurship development through training
SBI, Kajalgaon	i) Organization of vocational training programmes for self-employment of Rural Youths ii) Resource person for various training of RSETI iii) Exposure visit to KVK by RSETI trainees
ND	i) Mobilization of FPO with NABARD funding
Board, Chirang	- i). Organization of sponsored training programme - ii). Association KVK scientist as resource person
Department of Fishery Science, Chirang	- i). Organization of sponsored training programme - ii). Association KVK scientist as resource person
ASTA'	i) Upliftment of rural community through programmes planning, identification of beneficiaries and execution of training, demonstration and awareness programmes ii) Attending the Annual Meeting
Trust of India	i). Collaborative training to the extension functionaries
Global Social Service Society	Collaborative HRD programme
NGO	Delivered lecture as resource person in awareness programme on Scientific cultivation of field crops and livestock.

Publications:

Sl. No.	Type of publication	Number
1	Research paper	3
2	Abstract/ Monograph	1
3	Book	1
4	Chapter of Book	7
5	Training Manual	-
6	Bulletin	-
7	Newspaper article/Article	6

Extension Videos developed

Sl. No.	Type of publication	Title of publication
1	Extension Training Video	3
2	Success story video	-
3	Any other (Mobile app etc)	-

Approximate annual requirement of food crop and livestock commodity for Chirang district

Commodity	Annual Requirement	Annual Production	Annual Surplus/ Deficit
	87994.57 MT (@ 0.5 kg/head/day)	116300.62 MT	(+) 28306.06 MT
	10559.35 MT (@ 60 gm/head/day)	2713.47 MT	(-) 7845.88 MT
Meat	3519.78 MT (@ 20 gm/head/day)	13685.37 MT	(+) 10165.59 MT
	5207.35 MT (@ 10.8 kg/head/year)	5826.70 MT	(+) 619.35 MT
	439.97 lakh ltr (@ 250 ml/head/day)	29.29 lakh ltr	(-) 410.68 lakh ltr
	867.89 lakh eggs (@ 180 egg/head/year)	29.52 lakh eggs	(-) 838.37 lakh eggs
	4730 MT	1426 MT	(-) 3304 MT

: District Agriculture Office, Chirang
 Animal Husbandry & Vety Office, Chirang
 Fishery Office, Chirang



Thank you

