हर कदम, हर डगर
किसानों का हमसफर
भारतीय कृषि अनुसंधान परिषद

Agrisearch with a human touch

Annual Action Plan

(2022-23)

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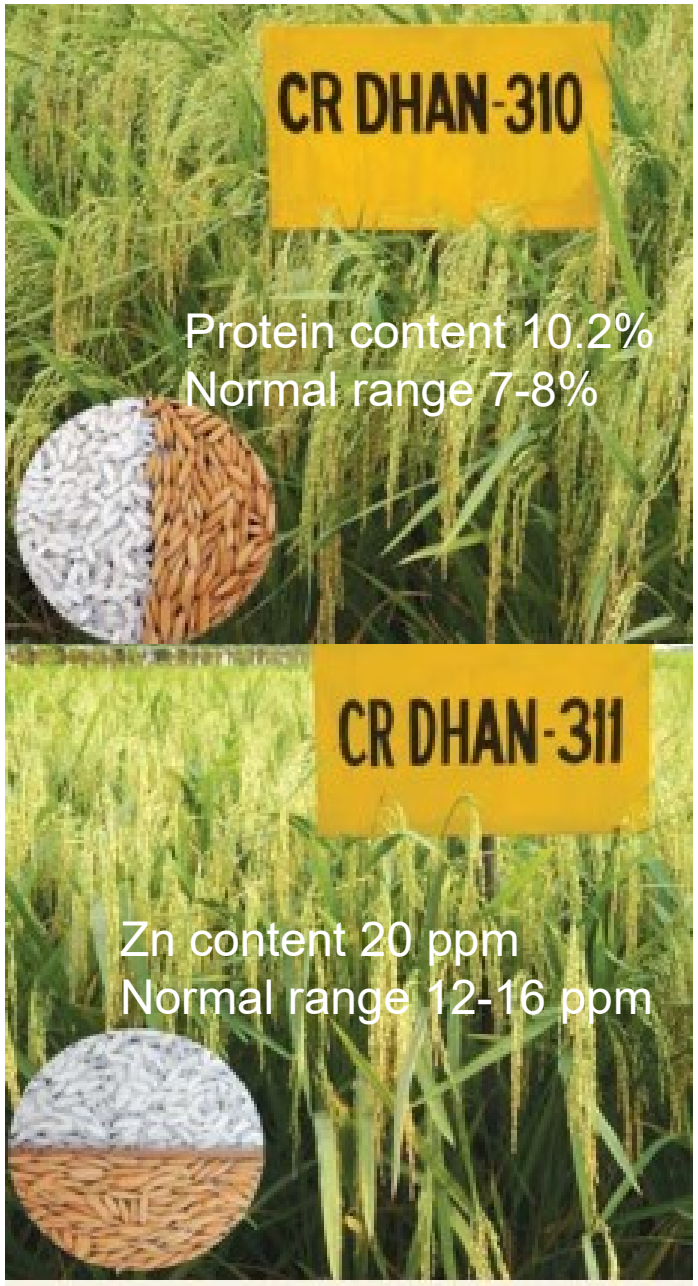
On Farm Testing (Discipline–Wise Summary)

Discipline	Crop	Trials	Discipline	Crop/enterprise	Trials
Agronomy	Paddy	4	Animal Science	Poultry	5
	Rice-Toria-millet cropping sequence	3		Pig	3
Horticulture	Sweet Potato	4	Community Science	Eri yarn tensile strength	3
	Ridge gourd			Pea	3
	Tomato Low cost ripening technology	4			
Soil Science	Potato	5		Eri silk worm feeding yarn	3
	Scented Rice	3			
	Hybrid Rice	3		Product diversification	3
Plant Protection	Brinjal	3			
				Eri mountage for cocoon	5
	Banana	3			
Total	**No. of OFT=14**		**No. of trial=57**		

On Farm Trial – Agronomy

Title	**Evaluation of Bio-fortified paddy varieties CR Dhan 310 and CR Dhan 311**
Problem Diagnosed	Existing paddy varieties in Kokrajhar district are low in protein and Zinc
Thematic area	Varietal evaluation
Technology	T_1 =CR Dhan 310 T_2 = CR Dhan 311 $T_{3=}$ Check-Numali
Source of Technology	ICAR-NRRI, Cuttack
No. of Trial (Area)	3 (0.39 ha)
Parameters of assessment	Plant height, No. of panicle/hill, 1000 grain wt , grain Yield/ha, Protein(%) and zinc estimation, Pest & disease incidence, B:C ratio ,Farmers reaction,

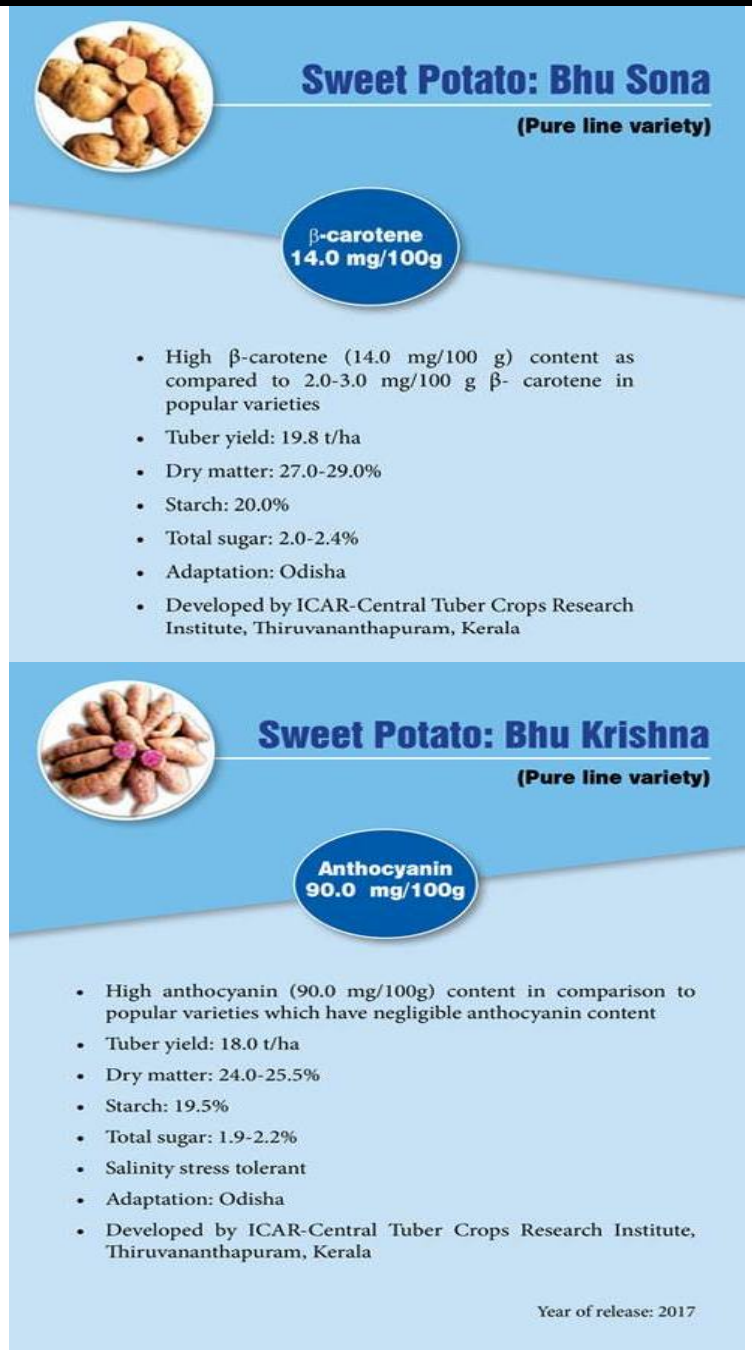


On Farm Trial – Agronomy

Title	Evaluation of production potentiality of millet in rice-toria-millet cropping sequence in Kokrajhar district
Problem Diagnosed	The cropping intensity in Kokrajhar district is low (169%) and inclusion millet is less.
Thematic area	Cropping sequence
Technology	Rice var. Numali, Toria var. TS-67, Foxtail millet var. GSCY-1 Check: Rice (Ranjit sub-1)-Toria (TS-67)
Source of Technology	AAU, 2021
No. of Trial (Area)	3 (0.39 ha)
Parameters of assessment	Growth parameters, Yield, Diseases & Insect pest, Economics, Farmers feedback

On Farm Trial – Horticulture

Title	**Evaluation of Bio-fortified Sweet Potato variety Bhu Sona and Bhu Krishna**
Problem Diagnosed	Lack of bio fortified sweet potato variety
Thematic area	Varietal evaluation
Technology	T_1 =Bhu Sona T_2 = Bhu Krishna T_3 = Farmer's Variety
Source of Technology	ICAR-CTCRI, Kerela , 2017
No. of Trial (Area)	4 (0.26 ha)
Parameters of assessment	Vine length, No. of tubers/plant, Av. Fruit weight, Yield/plant, Yield/ha, Pest & disease incidence, B:C ,Farmers reaction,



On Farm Trial – Horticulture

Title	**Varietal performance of Ridge gourd variety Arka Vikram and Arka Prasan**
Problem Diagnosed	Low yield of locally available variety
Thematic area	Varietal evaluation
Technology	T_1 =Arka Vikram T_2 = Arka Prasan T_3 = Farmer's Variety
Source of Technology	ICAR-IIHR, Bengaluru, 2016
No. of Trial (Area)	4 (0.26 ha)
Parameters of assessment/ refinement	Plant height, No. of fruits/plant, Av. Fruit weight, Yield/plant, Yield/ha, Pest & disease incidence, B:C ,Farmers reaction,

Arka Prasan

Arka Vikram

Early flowering hybrid (42-45 for Arka Prasan and 46 days (Arka Vikram) for first picking), green long tender fruits with excellent cooking quality.

Yield: 26 (Arka Prasan)
30 t/ha (Arka Vikram) in 120-135 days.

On Farm Trial – Horticulture

Title	**Low cost ripening technology of tomato**
Thematic area	Regulation of ripening (Post harvest technology)
Technology	**Demo:** Liquid ethrel @2ml/1cum tent Add Alkali (NaOH @ 0.25g/every 1ml ethrel) Enclosing time: 24 hours **Check**: Farmer's practice
Source of technology	ICAR-IIHR, 2011
Demo (Area)	4 unit
Parameter for assessment	Uniformity in ripening, keeping quality, Yield/ha, B: C ratio

On Farm Trial – Soil Science

Title		**Effect of furrow application of lime on growth and yield of potato in acid soil**
Thematic area		Nutrient management
Problem diagnosed		Decrease in productivity due to soil acidity and poor use of soil amendments
Technology	**To_1**	Lime @ 2 q/ha (based on soil pH) + 50% RDF
	To_2	RDF (NPK @ 60:100:100 kg/ha)
	To_3	Farmers practices
Source of technology		ICAR NEH Barapani
No. of trial (area)		5 (0.6 ha)
Parameter for assessment		1. Initial and final soil status, 2. Crop yield, 3. B:C ratio

On Farm Trial – Soil Science

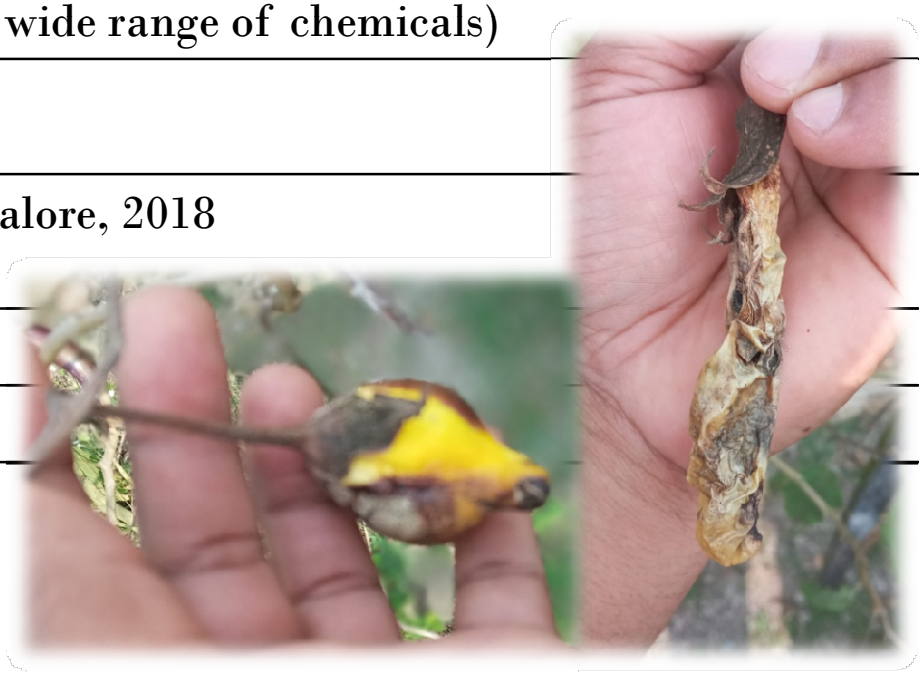
Title		**Fertilizer Prescription equations for Targeted Yield of Scented Rice (Kola Joha)**
Thematic area		Nutrient management
Problem diagnosed		Unaware about judicious fertilizer application
Technology	**To_1**	Targeted Yield 40 q/ha IPNS (N, P and K fertilizer based on soil test values + Vermicompost @ 2 t/ha.). Amount of N, P and K fertilizer will be adjusted after analysis of initial soil and FYM sample
	To_2	Potential Yield 40 q/ha Inorganic (Only N, P and K fertilizer based on soil test values)
	To_3	Farmers practices
Source of technology		AAU, Jorhat
No. of trial (area)		3 (0.6 ha)
Parameter for assessment		1. Initial and final soil samples treatment-wise 2. Grain and straw yield data treatment wise 3. Plant samples at harvest 4. B: C ratio

On Farm Trial – Soil Science

Title		**Combine effect of Zinc & Boron on hybrid rice**
Thematic area		Soil management
Problem diagnosed		Deficiency of Zn & Boron in soils of some pockets of Kokrajhar district
Technology	**To_1**	Zn@7.5 kg/ha +NPK (80:40:40 kg/ha)
	To_2	Zn@ 7.5 kg/ha+ 0.25% B as foliar spray (panicle initiation and milk stage) + NPK (80:40:40 kg/ha)
	To_3	Farmers practices
Source of technology		AAU, Jorhat
No. of trial (area)		3 (0.6 ha)
Parameter for assessment		1. Initial and final soil samples treatment-wise 2. Grain and straw yield data treatment wise 3. Plant samples at harvest 4. B: C ratio

On Farm Trial – Plant Protection

Title		**Bio-intensive management of Brinjal fruit and shoot borer.**
Thematic area		Biological Control
Problem diagnosed		Use of wide range of chemicals has been the practices which has increased the cost of production and is affecting the environment.
Technology	T_1	• Pinching of first shoots, • Release of *Trichogramma* @ 50,000/ha, • Erection of *Leucinodes* pheromone traps @ 14/ha at a height of 30 cm above crop canopy, • Need based one spray of insecticide (Lamda Cyhalothrin 5% EC)
	T_2	Farmers' practice (Use of wide range of chemicals)
	T_3	Control
Source of technology		IIHR, Hissargatha, Bangalore, 2018
No. of trial	Area	0.1 ha
	Trial	3
Parameter for assessment		• No of infected plants • Disease incidence (%) • Yield, • B:C ratio



On Farm Trial – Plant Protection

Title		**Efficacy of Trichodermma based bio pesticide for management of fusarium wilt (*Fusarium oxysporum*)in Banana.**
Thematic area		Biological Control
Problem diagnosed		High plant mortality due to soil borne pathogen.
Technology	T_1	T_1: i)Mix the 30 kg of Biofor- PF with 1 q compost/vermicompost incubate in a heap for 7 days. Apply 200 gm of this mixture at base of the plant before planting, ii) Application of Bifor-PF (3kg/100 lit) at 2,4,6,8 month interval drenching the entire plant,
	T_2	T_2:Soil drenching with 0.05% Carbendazim (0.5g in 1 litre of water)
	T_3	Farmers' practice (check)
Source of technology		NCIPM 2019
No. of trial	Area	0.39 ha
	Trial	3
Parameter for assessment		1. Dates of planting 2. Fusarium wilt(%) 3. Yield attributes 4. Farmers reaction

OFT – Animal Science

Title		**Varietal evaluation of dual purpose chicken Kamrupa, Gramapriya and Vanaraja in Kokrajhar district**
Thematic area		Breed introduction
Problem diagnosed		Low egg and meat production of local poultry
Technology	**T_1**	Kamrupa
	T_2	Gramapriya
	T3	Vanaraja
Source of technology		AICRP on poultry breeding, CVSc, AAU, Khanapara & ICAR-Directorate of poultry Research, Hyderabad
No. of trial		**6**
Parameter for assessment		1. Monthly body weight gain 2. Mortality 3. Disease incidence 4. Body weight at first lay 5. No of eggs/ month/ year 6. B:C

OFT – Animal Science

Title		**Introduction of Large White Yorkshire (LWY) breed of pig**
Thematic area		Breed introduction
Problem diagnosed		Low productivity of the indigenous pigs
Technology	**T_1**	T1-Large White Yorkshire T2- HDK-75
	T_0	Farmers' practice- performance of indigenous pig
Source of technology		NRC-Pig, Rani, Assam
No. of trial		3
Parameter for assessment		1. Growth performances 2. Age at first heat & conception 3. Litter size 4. Occurrence of diseases 5. B:C

On Farm Trial – Community Science

Title	**Effect on post harvest treatment of cocoon in tensile strength of Eri yarn**
Thematic area	Post harvest technology of yarn/fibre
Problem diagnosed	Poor spinning efficiency leads to wastage of cocoon .
Technology/ Social concept	**T_1**-Cooking with Sodium carbonate/ Cooking soda (Alkali) T2- cooking with Plaintain Straw ash extract (alkali) **T_3**- Cooking with paddy straw ash extract (Alkali) Pre- Treatment- cocoon were soaked in non ionic liquid detergent (slippery substance- easy liquid detergent)(1%) for 12 hours before treatment M:L - 1:20 No. of Cocoon: 400 No.s Method: Spinning method. Tool Used: 3 in 1 Solar cum pedal cum electric operated Spinning machine. Cooking time-30 min Temp- 100 C
Source of Tech.	Department of Sericulture, AAU Jorhat.
No. of trial	3 unit
Parameter	Correct cooking condition, Tensile Strength of eri yarn, Breaking elongation, Tenacity, Spinning Efficiency percentage, raw silk percentage of cocoon

On Farm Trial – Community Science

Title	**Influence on shelf life of fresh pea through different blanching timing on different variety of pea.**
Thematic area	Food Preservation
Problem diagnosed	•Lack of proper blanching ,processing and handling of pea.
Technology/ Social concept	T1- Fresh pea blanched for 3 min in open pan and stored . T2- Fresh pea blanched for 5 min in open pan and stored. T3- Fresh pea blanched for 8 min in open pan and stored. T3- Fresh pea without blanching.(control) Temp – 80 degree centigrade. Stored in Deep freezer. Variety- Azad Pea-3 and FP
Source of Tech.	Bangladesh Agricultural Research Institute, Gazipur, 2017
No. of trial	3 no.s
Parameter	1. Percent pod yellowing during storage. 2. Percent pod cracking in storage. 3. Percent pod shrivelling during storage. 4. Pod rottening during storage. 5. Weight loss 6. Sensory quality 7. Shelf life

On Farm Trial – Community Science

Title	**Diversified feeding of eri silk worm and its effect on cocoon quality.**
Thematic area	Silk worm rearing
Problem diagnosed	Lack of knowledge on standardized feeding pattern effect cocoon quality.
Technology/ Social concept	T_1- Feeding on Tapioca leaves. T_2- Feeding on Gamari leaves T_3- Feeding on Kesseru leaves. T4- Feeding on castor (Control) 3 cycles
Source of Tech.	College of sericulture, AAU, Jorhat.
No. of trial	3 units
Parameter	Effective rate of rearing, 5th instar Larval weight, mean length of larvae, mean length of silk gland, cocoon weight, shell weight, silk ratio, fecundity and hatchability.

Total sericulture village In District
- 535
- Eri rearing done is 58%.

% of farmers feed Castor leaves as primary food 100%

% of farmers feed kesseru as secondary food is 37%.

% of farmers feed tapioca and Gamari as tertiary food is 65 and 77 respectively

a) Castor Leaf

b) Kesseru

c) Tapioca

d) Gamari.

On Farm Trial – Community Science

Title	**Fusion of traditional motif and design of *Rabha* and *Bodo* community of Assam to produce diversified hand-woven products through CATD**
Thematic area	Weaving
Problem diagnosed	Lack of diversified design limit weavers to weave repetitive design.
Technology/ Social concept	**T_1**- Fusion of *Bodo* and Rabha design through CATD technology. Diversified Handwoven products will be • *Sadar mekhela.* • Cushion covers **T_2**- Traditional Rabha and Bodo design.
Source of Tech.	TAD, College of Community science, AAU Jorhat.
No. of trial	3 unit
Parameter	1. Appropriateness or suitability of motif/ design on particular product(Visual evaluation score test). 2. Arrangement of motif and design 3. Color combination

Rabha Design Cushion cover

On Farm Trial– Community Science

Title	**Effect of different mountages used in eri cocoon**
Thematic area	Silkworm rearing
Problem diagnosed	1. Ununiform size of cocoon 2. Low silk percentage due to poor mountage 3. More defective cocoon.
Technology	Treatment of eri silk yarn with natural mordant. T1-Bamboo mountage. T2- Glossy Paper mountage. T3- Paper cardboard mountage. T4- Plastic net Mountage. T5- Jackfruit leaf mountage. T6- Dry Banana leaf mountage T7- Gamari leaf mountage (Control)
Source of technology	Department of sericulture, AAU, Jorhat.
No of Demo	5 units
Parameter for assessment	1. Weight of 50 no.s of cocoon/sq ft of mountage. 2. Pupae weight. 3. Shell weight. 4. Diameter of cocoon. 5. Double Cocoon % 6. Floss Cocoon % 7. Waste cocoon yarn attached in mountage

FLD (Discipline–Wise Summary)

Discipline	Crop	No. of demos proposed	Discipline	Crop/enterprise	No. of demos proposed
Agronomy	Rice	5	Animal Science	Poultry	20
	Jute	10		Goat	3
Horticulture	Tomato	10		Fodder	10
	Strawberry	6			
Soil Science	Rice	20	Community Science	Nutrition garden	10
Plant Protection	Tomato	10		Solar tent drier	**10**
	Potato	5			
	Rice	10		**Total**	**135**
Fishery Science	Integrated duck fish culture	3			
	Koi fish	3			

Front Line Demonstration– Agronomy

Title	**Weed management in direct seeded *Ahu* rice**
Thematic area	Weed management
Problem diagnosed	Low production of *Ahu* rice due to weed infestation
Technology	T_1: Pre emergence application of Pretilachlor @ 750 g/ha within 5 days of sowing followed by post emergence application of bispyribac-sodium @ 25 g/ha at 25 days after sowing in direct seeded rice. $T_{2:}$ Farmer's Practice
Source of technology	AAU, 2021
Demo (Area)	5 (1.33 ha)
Parameter for assessment	Growth parameters, yield, weed population, economics

Front Line Demonstration– Agronomy

Title	**INM in Olitorius jute**
Thematic area	INM
Problem diagnosed	Irrational use of fertilizer in Olitorius jute
Technology	T_1: Application of N, P_2O_5 and K_2O @ 75, 25 and 25 kg/ha and FYM @ 5 t/ha along with seed treatment with *Azotobacter* and PSB each @ 50 g/kg of seed for yield maximization of *Olitorius* jute. $T_{2:}$ Farmer's Practice
Source of technology	AAU, 2021 (RARS, Shillogoni)
Demo (Area)	10 (2.0 ha)
Parameter for assessment	Growth parameters, yield, economics

Front Line Demonstration– Horticulture

Title	**Popularization of Tissue culture strawberry variety Sweet Charlie /Winter Dawn**
Thematic area	Varietal performance
Technology	**Demo:** Tissue culture var. Sweet Charlie / Winter Dawn **Check** var. runner propagated var. Sweet Charlie /Winter Dawn
Source of technology	POP, AAU, Jorhat
Demo (Area)	6 0.30 ha
Parameter for assessment	yield/ha, B: C ratio

Front Line Demonstration– Horticulture

Title	**Demonstration on High yielding tomato variety Arka Abhed /Arka Samrat**
Thematic area	Varietal performance
Technology	**Demo:** Arka Abhed /Arka Samrat **Check:** Farmer's Practice
Source of technology	ICAR-IIHR, Bengaluru, 2018
Demo (Area)	10 0.67 ha
Parameter for assessment	Yield/ha, B: C ratio

Front Line Demonstration– Soil Science

Title	**Response of Rice to Zn solubilizing bacteria Zn nutrition (Var.- Ranjit Sub 1)**
Thematic area	Nutrient management
Problem diagnosed	Low yield due to Zn deficit in soil and unaware about ZSB
Technology	RD of NPK @ 40:20:20 kg/ha + consortia of ZSB as seedling root dip treatment @ 3.5 kg/ha
Source of technology	AAU, Jorhat
Demo (Area)	5 (2.0 ha)
Parameter for assessment	1. Initial and final NPK& Zn status 2. Plant height 3. Total tillers, effective tillers 4. Yield 5. B:C

Front Line Demonstration– Soil Science

Title	**Response of K solubilizing bacteria in reduction of potassic fertilizer in Sali rice (Var.- Ranjit Sub 1)**
Thematic area	Nutrient management
Problem diagnosed	Unaware about the use of KSB to reduce the chemical fertilizer
Technology	RD of NPK @ 40:20:10 kg/ha + consortia of KSB as seedling root dip treatment @ 3.5 kg/ha
Source of technology	AAU, Jorhat
Demo (Area)	10(2.0 ha)
Parameter for assessment	1. Initial and final NPK status 2. Plant height 3. Total tillers, effective tillers 4. Yield 5. B:C

Front Line Demonstration – Plant Protection

Title		**"*Amulya Amrit*" for disease and pest management in tomato.**
Thematic area		Biological method
Problem diagnosed		Year after year application of chemical pesticides for control of insect pests and diseases has elevated the problems of health of environment, human being and other animals.
Technology	T^1	•A mixture of cow urine (5 litre), cow milk (0.5 litre), curd (0.5 litre), honey (200 g), Puvhan/Malbhog (ripe) banana (5), coconut paste (1 coconut) and Ghee (50 g) are kept in sealed container. This mixture is kept in shade covered with wet gunny bag for three days. After three days, the gunny bags are removed and the container is opened to release the gas and stirred with stick. After stirring and releasing the gas for another 3-4 days, the fermented solution is filtered through muslin cloth.
	T^2	Farmers practice (use of ash/wide range of chemical etc)
Source of technology		Farm Innovators 2010, ICAR New Delhi
No. of trial	Area	0.4 ha
	Trial	10
Parameter for assessment		•B:C ratio,

Front Line Demonstration – Plant Protection

Title		**Management of white grub in Potato.**
Thematic area		Biological method
Problem diagnosed		Large scale destruction of tubers by white grub is affecting the economics.
Technology	T^1	• Soil application of Clothianidin 50 WDG @ 80 g a.i./ha against white grub and other soil insects in potato.
	T^2	Farmers practice (wide range of chemical etc)
Source of technology		AAU, 2015
No. of trial	Area	0.4 ha
	Trial	5
Parameter for assessment		•Per cent damage, •Yield and yield attributes, •B:C ratio, •Farmers' reaction

Front Line Demonstration – Plant Protection

Title		**Management of Stem rot disease in *Sali* Rice.**
Thematic area		Chemical method of pest management
Problem diagnosed		Recurrent appearance of the disease and ineffective of common insecticides.
Technology	T^1	• Spraying of Contaf (Hexaconazole) @ 2 ml/litre at the appearance of disease at 5% disease severity (Lesion with Sclerotia) • 2nd and 3rd spraying of Contaf at an interval of 10-15 days,
	T^2	Farmers practice (wide range of chemical etc)
Source of technology		RARS, Titabor, AAU, 2017
No. of trial	Area	0.4 ha
	Trial	10
Parameter for assessment		• No of Infected plants at 10-15 days interval, (3 observations), • Yield record, • B:C ratio, • Farmers' reaction,

Front Line Demonstration– Animal Science

Title	Assessment of productive performance of "Kamrupa" bird under backyard system of rearing.	Popularization of BV 380 chicken in semi intensive rearing
Problem diagnosed	Low productivity of the indigenous chicken	Low productivity of the indigenous chicken
Thematic area	Breed introduction	Breed improvement
Technology	Kamrupa chicken as quality chick inputs	BV 380 chicken as quality chick inputs
Source of technology	College of Veterinary Science, AAU, Khanapara, Assam	Venkateshwara Pvt. Ltd., Hyderabad
No of Demo	10	10
Parameter for assessment	1. Weight gain at 30 days intervals 2. Age at 1st lay 3. Hens house egg laying 4. Occurrence of diseases 5. B:C	1. Weight gain at 20 weeks 2. Age at 1st lay 3. Hens house egg laying 4. Occurrence of diseases 5. B:C

Front Line Demonstration– Animal Science

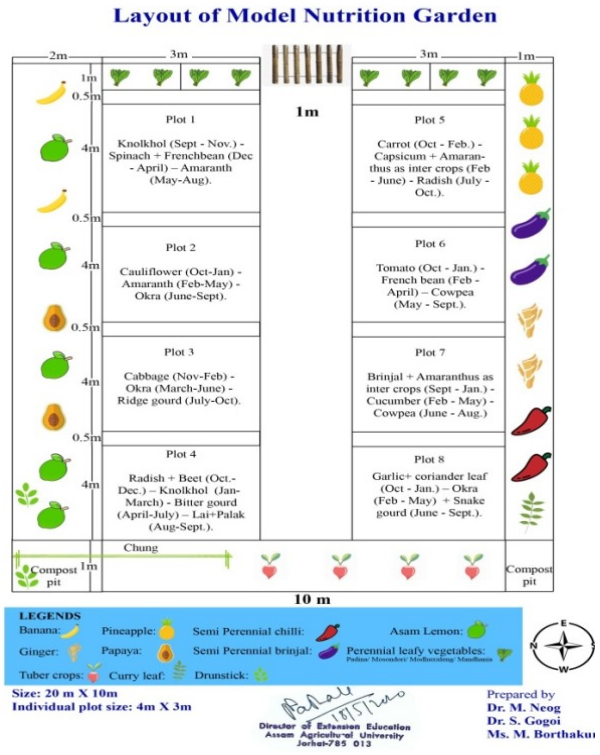
Title	Popularization of oats as fodder
Problem Diagnosed	Low productivity and scarcity of green fodder
Thematic area	Fodder production and quality enhancement
Technology	-Cultivation of oats (Variety: JHO-99-2) - Oat: 13 kg/bigha -25-30 cm (Row-row apart) and in furrows at a depth of 4-5 cm -50 % RD of fertilizer + Vermicompost @ 2.5t/ha + FYM @ 2.5 t/ ha -N:P:K:: 9:3:3 (kg/bigha)
Source of technology	AAU
No of Demo	10
Parameter for assessment	1. Green fodder yield 2. B:C

FLD – Animal Science

Title		**Breed upgradation of local goat by introducing Beetal buck through cross breeding**
Thematic area		Breed introduction
Problem diagnosed		Low productivity of local goat
Technology	**T_1**	Cross breeding of beetal buck with local goat
	T_2	Natural mating
Source of technology		GRS, Burnihat
No. of trial		**3**
Parameter for assessment		1. Age at sexual maturity 2. Mature B. wt. 3. Litter size 4. Body weight during birth 5. Mortality

Front Line Demonstration– Community Science& Horticulture (NARI)

Title	**Nutritional Garden- Year round production of fruits and vegetables for nutritional and health security in AWC**
Thematic area	Nutrition garden
Problem diagnosed	Improper utilization of kitchen garden area for production of nutritionally rich fruits and vegetables.
Technology	T1- AWC with intervention. (AAU layout) T 2- AWC without intervention. Specification: 10 students in each AWC of same age group (3 years) and same BMI will be assessed.
Source of technology	AAU Jorhat, Department of Horticulture.
No of Demo	10units
Parameter for assessment	1. Per capita availability of nutrient per day before and after intervention (in terms of Protein, iron, Calcium, B-carotene, Vitamin C and folic Acid.) 2. Increase in BMI . 3. Anganwadi workers reactions. 4. Guardian/ parents reactions



Front Line Demonstration– Community Science

Title	**Low cost Solar tent dryer to dry chilly**
Thematic area	Energy saving tool / device
Problem diagnosed	• Open drying of chilly are susceptible to contamination with foreign materials, insects and fungal infestation which thrives in moist condition
Technology	T1- Low cost solar tent dryer Farmers Practice: open drying .
Source of technology	CIPHET, Banglore
No of Demo	10
Parameter for assessment	Utility and drying time required. Farmers reaction B:C ratio

Front Line Demonstration– Fishery Science

Title	Integrated duck fish culture	Culture of Koi fish in seasonal pond
Thematic area	Integrated Farming System	Diversified Aquaculture practice
Problem diagnosed	High cost of fish feed, Oxygen depletion of fish pond	
Technology	Raising of duck in pond periphery, Negligible to zero feeding to fish.	Culture of Kawoi fish (*Anabus Spp*.) in seasonal ponds, Maintenance of water quality parameter, Feeding with pelleted feed.
Source of technology	POP on Fisheries and Aquaculture in Assam, AAU, Jorhat	POP on Fisheries and Aquaculture in Assam, AAU, Jorhat
Demo (Area)	3 (0.39 ha)	3 (0.09 ha)
Parameter for assessment	1. Yield per Ha 2. Average weight gain of duck & Egg production. 3. BCR	1. Yield per Ha 2. Average weight gain of Koi fish 3. BCR

OTHER PROGRAMME

- APART-Demonstrations on Sali paddy, Boro paddy, maize, vegetables

- ARYA- Demonstratoions on Ericulture, piggery, mushroom and stevia

- Biotech Kisan Hub of TERI – Demonstrations on Biofortified sweet potato, Mushroom, Farm biowaste management

- Biotech Kisan Hub of Bodoland University- Demonstrations on Mushroom

- CFLD – Demonstrations on pulse and oilseed

Training Programmes (Farmers)

Discipline		Farmer Beneficiaries (Nos.)			
	Course (No.)	On	Off	Vocational	Total
Agronomy	9	-	200	25	225
Horticulture	7	-	125	50	175
Soil Science	9	-	225	-	225
Plant protection	6	-	150	-	150
Animal science	7	25	150	-	175
Community Science	5	75	50	-	125
Fishery Science	9	9	200	25	225
Total	**52**	**100**	**1100**	**100**	**1300**

Training Programmes (Rural Youth)

Discipline		Rural Youth Beneficiaries (Nos.)			
	Course (No.)	On	Off	Voc.	Total
Agronomy	2	-	50	-	50
Horticulture	4	75	-	20	95
Soil Science	2	-	25	15	40
Plant protection	5	-	75	50	125
Animal science	4	50	25	10	85
Community Science	5	25	50	30	105
Fishery Science	2	-	50	-	50
Total	**24**	**150**	**275**	**125**	**550**

Training Programmes (Extension Personnel)

Discipline		**Extension Functionaries (Nos.)**		
	Course (No.)	On	Off	Total
Agronomy	1	25	-	25
Horticulture	1	-	20	20
Soil Science	1	-	25	25
Plant protection	2	-	50	50
Animal Science	1	25	-	25
Community Science	2		50	50
Fishery Science	1	25	-	25
Total	**9**	**75**	**145**	**220**

Extension Activities

Extension Activity	Nos. Proposed	Beneficiaries (No.)			Total
		Farmers	Extn. Personnel	Rural Youth	
Diagnostic visit	110	200	-	100	300
Advisory service	400	250	-	150	400
Training Manual	9	125	25	75	225
Celebration of Important days	6	200	30	70	300
Exhibition	4	250	50	100	400
Exposure visit	8	100	-	50	150
Extension / technical bulletin	16	-	-	-	-
News letter	1	-	-	-	-
News paper coverage	26	-	-	-	-
Research publications	9	-	-	-	-
Success stories	12	-	-	-	-
Farm Science Clubs' Convenors meet	4	150	-	50	200
Farmers' Seminar	4	100	-	100	-
Ex-trainees' meet	2	200	-	50	250
Field day	22	600	40	200	840

Extension Activities

Extension Activity	Nos. Proposed	Beneficiaries (No.)			Total
		Farmers	Extn. Personnel	Rural Youth	
Film show	4	250	-	150	400
Radio Talk	24	-	-	-	-
TV talk	3	-	-	-	-
Kishan Goshthi	4	200	-	100	300
Group Meeting	15	275	-	100	375
Kishan Mela	3	250	25	100	375
Soil Health Camps	1	75	5	20	100
Awareness camp	10	150	20	50	220
Method demonstration	25	400	-	200	600
Scientists' visit to farmers' field	175	100	-	75	175
Workshop/ Seminar	8	200	-	50	250
Soil Testing	500	500	-	-	500
Water Testing	50	25	-	25	50
Plant Testing	50	25	-	25	50
Manure Testing	50	25	-	25	50
SMS Service	110	1000	-	400	1400
Farmers' Scientist Interaction	15	175	25	75	275

Mobile Advisory for 2022-23

Message type sent	Crop		Livestock		Weather		Marketing		Awareness		Other Enterprise		Total	
	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary
Text only	90	108630	20	24140	20	24140	5	6035	5	6035	10	12070	150	181050
Voice only	20	24140	5	6035	5	6035	-	-	-	-	10	12070	40	48280
Voice and Text both	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	**110**	**132770**	**25**	**30175**	**25**	**30175**	**5**	**6035**	**5**	**6035**	**20**	**24140**	**190**	**229330**

SEED MATERIALS

Item	Crop	Variety	Proposed quantity
Cereals	Paddy	Ranjit Sub-1	180.0 q
		Gitesh	3.0 q
		Numali	5.0 q
	Buckwheat	Local	12.0 q
	Finger Millet	Local	6.0 q
Oilseed	Sesame	Koliabor Til	1.0 q
	Niger	NG-1	5.0 q
	Toria	TS-67	10.0 q
	Linseed	Sekhar	8.0 q
Oilseed (CFLD)	Rapeseed	TS-67/ TS-36	480.0 q
	Linseed	Sekhar	80.0q
	Sesamum	Koliabor Til	70.0 q
Pulse (CFLD)	Blackgram	PU-31	160.0 q
	Lentil	HUL-57	90.0 q
Spices	Turmeric	Megha Turmeric-1	15 q
Fibre crops	Mesta	HC-583	Seed- 0.50 q
Total			**1125.5 q**

PLANTING MATERIALS

Item	Crop	Variety	Proposed quantity (Nos.)
Fruits	Citrus	Assam lemon	2000
	Banana	G Naine	100
	Coconut	Kamrupa	30
Vegetables	Cabbage	-	5000
	Cauliflower	-	5000
	Brinjal	-	5000
	Chili	-	3000
	Brocolli	-	2000
Others -	Gerbera	Red gem	500
	Gladiolus	Many var	200
	Mussenda	-	200
Total			**23030**

BIO-PRODUCTS

Item	Product Name	Species	Proposed quantity	
			No.	Kg.
Bio-agents	-	-	-	-
Bio-fertilizers	Azolla	*A Nilatica*	-	3000
Livestock strains	Pig Goat		12 8	
Others	Vermicompost	-	-	1000
Total			**20**	**4000**