ANNUAL ACTION PLAN

2018-19

Krishi Vigyan Kendra, Jorhat
Assam Agricultural University
Teok-785112

Indian Council of Agricultural Research
Agricultural Technology Research Institute, Zone-VI, Kahikuchi, Guwahati
Format for Annual Action Plan Formulation of KVKs, Zone-VI for 2018-19

Name of the KVK/District: KVK JORHAT **State:** ASSAM
Host Organization: ASSAM AGRICULTURAL UNIVERSITY, JORHAT

Present Staff Position in KVK

Sl. No.	Name	Gender (M/F)	Category (General/OBC/SC/ST)	Designation	Discipline	Mobile No.
1.	Dr. Rupam Borgohain	M	OBC	Programme Coordinator	Plant Breeding and Genetics	9435352939
2.	Ms. Mousumi Phukon	F	OBC	SMS (Plant protection)	Entomology	9707260210
3.	Mr. Sanjib Ranjan Borah	M	OBC	SMS (Soil Science)	Soil Science	9435038547
4.	Ms. Ira Sarma	F	GEN	SMS (Horticulture)	Horticulture	9435742192
5.	Ms. Binapani Deka	F	OBC	SMS (Home science)	Home Science	9435090073
6.	Mr. Sameeron Bhattacharjya	M	GEN	SMS (Agronomy)	Agronomy	8724910989
7.	Dr(Ms). Ilakshy Deka	F	GEN	SMS (Animal Science)	Vety. Physiology	9864040681
8.	Mr. Ramen Kalita	M	GEN	Farm Manager	Agriculture	9954014573
9.	Mr. Rupjyoti Chutia	M	OBC	Programme Asstt (Computer)	Computer	9854279637
10.	Mr. Jodumoni Borah	M	OBC	Office Supdt cum Acctt	-	9435448075
11.	Mr. Biman Jyoti Phukan	M	OBC	Jr Steno. cum Computer Operator	-	9613425717
12.	Mr. Krishna Sarma	M	Gen	Grade- IV	-	9435630998
13.	Mr. Pankaj Borah	M	OBC	Driver cum Mechanic	-	9954552560
14.	Mr. Diganta Gogoi	M	OBC	Driver cum Mechanic	-	

Please furnish discipline-wise information in the given format pertaining to the mandated activities of your KVK targeted to be accomplished during 2017-18

Discipline: Agronomy

Name of the concerned Subject Matter Specialist : Mr Sameeron Bhattacharjya **Mobile No:**+918724910989
E-mail a**ddress:**.sameeron_gsr@yahoo.com

Mandated activities	Thematic Area	Name of Technology Assessed/ Refined (in Specific)	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	Varietal evaluation	1. Performance assessment of newly developed high yielding *Sali* paddy var. LPR 1130 & LPR 1103 under SDW condition ***Technology:*** **submergence tolerant rice var. LPR 1130 & LPR 1103 Check: *Ranjit Sub-1 and Bahadur sub-1* varieties**	AAU (RARS, N. Lakhimpur)	Assess	0.39	3	Kharif, 2018	1	-	1	2	-	2	3
		2. Performance assessment of local Kharif black gram variety *Teli Maah* and green garm variety *Saru* **Technology:** Kharif		Assess	0.39	3	Kharif, 2018	1	-	1	2	-	2	3

		black gram variety *Teli Maah* and green garm variety *Sarumagu* Check: Black gram variety: PU-31 Green gram variety: IPM 02-3												
		3. Performance of grass pea (Lathyrus) varieties under rice utera condition (Relay cropping) with different seed rates **Technology:** T_1 : Prateek with seed rate 50kg/ha T_1 : Prateek with seed rate 60kg/ha T_1 : Prateek with seed rate 50kg/ha T_1 : Ratan with seed rate 60kg/ha	RARS, Shillongoni	Assess	0.39	3	Rabi, 2018	1	-	1	2	-	2	3

Mandated activities	**Thematic Area**	**Name of Technology demonstrated**	**Source and Year of release**	**Crop/ cropping system**	**Area (in ha.)**	**Location**	**Period and Duration**	**Number of beneficiaries/demon.**						
								SC/ST			**General**			**Grand Total**
								M	**F**	**Total**	**M**	**F**	**Total**	
Front Line Demonstration	Varietal evaluation	1. Demonstration on newly developed submergence	AAU (RARS, TTB)	Paddy	2	8	Kharif, 2018	4	-	4	4	-	4	8

		tolerant rice var. *Ranjit Sub-1* and *Bahadur Sub -1* in flood affected areas of Jorhat & Majuli district												
		2. Demonstration on HY boro paddy variety 'Kanaklata / Joymoti' in flood affected areas of Jorhat & Majuli district	AAU	Paddy	2	10	Boro, 2018	5	-	5	5	-	5	10
	Integrated Crop Management	3. Demonstration of mustard variety NRCHB101	Directorate of Rapeseed Mustard Research, Bharatpur, Rajasthan	Mustard	2	10	Rabi, 2018	5	-	5	5	-	5	10
		4. Demonstration on flood escaping high yielding ahu paddy variety Disang and Luit in flood ravaged Jorhat and Majuli district	AAU	Ahu paddy	2	5	Kharif, 2018	2	-	2	3	-	3	5

		5. Demonstration on minor cereal and oilseed crops in flood ravaged Jorhat and Majuli district Crops : Buckwheat, Niger, Linseed	AAU	Buckwheat , Niger, Linseed	1	10	Rabi,2018	5	-	5	5	-	5	10

Mandated activities	**Target group**	**Title of the training Programme and No. of Courses in bracket**	**No. of training progs**	**Period of the year**	**Duration (in days)**	**On/Off campus**	**Number of beneficiaries**							**Remarks**
							SC/ST			**General**			**Grand Total**	
							M	**F**	**Total**	**M**	**F**	**Total**		
On and Off campus training programmes	Farmer and Farm women	1.Boro rice cultivation with special emphasis on SRI and water management	1	October, 2018	3	Off	10	-	10	15	-	15	25	
		2.Scientific Cultivation practices of major cereals, oilseeds and pulses for rural	1	2018-19	2	Off	8	2	10	10	5	15	25	

		food security												
	Rural Youth	3.Quality Seed production of major field crops – a venture for self employment of rural youth	1	2018-19	3	On	8	2	10	10	5	15	25	
	Extension Personnel	4.Recent advances on organic agriculture special emphasis on field crops and certification procedure	1	2018-19	3	On	8	2	10	10	5	15	25	
Vocational training programmes	Farmer and Farm women													
	Rural Youth	5.IFS for livelihood security	1	2018-19	7	On	8	2	10	10	5	15	25	

Discipline: Horticulture

Name of the concerned Subject Matter Specialist: Ms. Ira Sarma **Mobile No.** 9435742192

E-mail address: irasarma@gmail.com

Mandated activities	Thematic Area	Name of Technology	Source and Year of release	Assess/Refine	Area (in ha.)	Location	Period and Duration	Number of beneficiaries/ trials						
								SC/ST			General			Grand Total
								M	F	Total	M	F	Total	
On farm testing	Varietal evaluation	**1. Assessment of Dolichos variety** **Technology**: Arka Swagath **Control** : Local cultivar **Observation to be Recorded**: Plant height, fruits/plant**,** yield /plant, yield/ha and production economics	IIHR , Bangalore, 2015	Assess	0.39	3	Rabi season, 2018-19	1	-	1	2	-	2	3
		2. Assessment of tomato (Arka Samrat) and chilli (Arka Harita)varieties **Technology**: **Arka Samrat and Arka Harita** **Control** : Local variety **Observation to be Recorded**: Weight of fruit, no of fruit/plant**,** yield/ha and production economics	IIHR , Bangalore, 2015	Assess	0.39	3	Rabi season,2018-19	1	-	1	1	1	2	3
	Integrated	**3. Weed management in**	AICRP, on	A	0.39	3	Rabi	2	-	2	1	-	1	3

	Weed Management	**brinjal (variety Arka Anand)** **Technology:** Oxadiargyl 90g/ha followed by garden hoeing at 30 and 60 DAP **Control**: Without weedicide +1 hand weeding **Observation to be Recorded**: Plant height, fruits/plant**,** weed biomass**,** yield /plant, yield/ha ,production economics and weed biomass in monthly interval	weed management AAU, Jorhat, 2016				season, 2018-19							
	Any other (Pl. Specify)	**4. Assessment of organic banana cultivation** **Technology:** 10 kg FYM + 1.25 kg Neem cake + 5 kg vermicompost + 1.75 kg wood ash per pit. Control: Farmers practice **Observation to be Recorded**:	AICRP on tropical fruits, AAU, Jorhat, 2016	A	0.13	3	Kharif,2018-19	1	-	1	2	-	2	3

		No. of fingers/hand, Fruit length (cm), No. of hands/bunch, Wt. of bunch/plant (kg), Disease & pest infestation (%),Total yield (t/ha), Economics of cost of cultivation												

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			**General**			**Grand Total**
								M	**F**	**Total**	**M**	**F**	**Total**	
Front Line Demonstration	Varietal evaluation	1.Demonstration on cultivation of pumpkin var. Arjuna **Technology:** Variety Arjuna	East-West seed	Pumpkin	0.5	3	2018-19	2	-	2	1	-	1	3
		2.Demonstration on cultivation of **Amaranthus variety** Arka Suguna **Technology**: Arka Suguna	IIHR, Bangalore,2014	Amaranthus	0.4	3	2018-19	1	-	1	2	-	2	3
	Any other (Pl.	3. Commercial Marigold (var.Pusa	AAU, 2013	Marigold	0.13	3	Rabi,2018-19	1	1	2	-	1	1	3

	Specify)	Narangi) production with market link-up.												

Mandated activities	Target group	Title of the training Programme and No. of Courses in bracket	No. of training progs	Period of the year	Duration (in days)	On/Off campus	Number of beneficiaries							Remarks
							SC/ST			General			Grand Total	
							M	F	Total	M	F	Total		
On and Off campus training programmes	Farmer and Farm women	1.Advanced technology on off season cultivation of vegetables	1	July	5	On	4	5	9	8	8	16	25	
		2.Nursery raising techniques of important winter vegetables	1	Sept	2	Off	12	4	16	6	3	9	25	
		3. Advanced production technology of solanaceous vegetables by using organic package	1	Oct	3	Off	10	2	12	9	4	13	25	
	Rural Youth	4.Commercial production and post harvest management of spices	1	Nov	5	Off	10	2	12	9	4	13	25	
	Extension Personnel	5. Scientific cultivation of plantation crop with	1	Dec	2	On	5	3	8	5	7	12	20	

		special reference to arecanut and coconut													
Vocational training programmes	Farmer and Farm women														
	Rural Youth	1.Nursery management and propagation techniques of horticultural crops	1	Feb	7	On	8	7	15	7	3	10	25		
Sponsored training programmes															**Sponsoring agency**
	Farmer and Farm women														
	Rural Youth														
	Extension Personnel														
	Civil Society														
	NGO(including school drop-outs)														
	Others (Pl. specify)														

Discipline: Soil Science

Name of the concerned Subject Matter Specialist : Sanjib Ranjan Borah **Mobile No:** +919435038547 **E-mail address:**srborah@gmail.com

Mandated activities	Thematic Area	Name of Technology	Source and Year of release	Assess/Refine	Area (in ha.)	Location	Period and Duration	Number of beneficiaries/ trials						
								SC/ST			General			Grand Total
								M	F	Total	M	F	Total	
On farm testing	Soil health													
	INM	**1. Assessment of biofertilizer and zinc sulphate on productivity of Lentil** **T1:** Seed inoculation with Rhizobium & PSB each @ 50 g/kg of seed + 0.5kg Amonium Molybdate (Soil Application)+20Kg Zn SO4 (Soil application)+10: 26:15 kg N : P2O5: K2O/ha **T2: Farmers practice(Check)** - recommended dose , 15: 35:15 kg N : P2O5: K2O/ha (Without bio fertilizer , Zinc & Molybdenum) **Observation**: Pre & Post nutrient status of soil, plant height at maturity stage, plant stand, pod/plant, seed/pod, 100 seed weight and seed yield/ha, Production Economics & farmers acceptability	AICRP on MULLaRP, RARS, AAU, Shillongoni, 2016	A	0.39	3	Mid October to Mid November, 2018	2	-	2	1	-	1	3

	INM	**2. INM in Lentil under Rice Utera condition** (Variety: KLS 218) **Technology:** T1: Application of 5: 13 kg N : P_2O_5/ha at lentil sowing(10-15 days after flowering of winter rice when soil is moist) + 5: 13:15 kg N : P_2O_5: K_2O/ha at rice harvest + seed inoculation with Rhizobium & PSB @ 50 g/kg of seed T2: Two sprays of 2 % urea at branching and pod initiation stages) **Observation**: Pre & Post nutrient status of soil, plant height at maturity stage, plant stand, pod/plant, seed/pod, 100 seed weight and seed yield/ha, Production Economics & farmers acceptability **Check/Control**: Without INM practices	AICRP on MULLaRP, RARS, AAU, Shillongoni, 2016	A	0.39	3	Mid October to Mid November, 2018	2	-	2	1	-	1	3
	Organic Management	**3. Organic cultivation of high value aromatic rice var. *Konjoha*** ***Technology:*** Enriched compost @ 5 t/ha (Ordinary compost prime with *Azospirillum*, *Azotobacter* and PSB @1% each containing 10^8-10^9 cfu/g, adjusted with 1% RP (as P)	AINP on Soil Biodiversity – biofertilizer, Deptt. of Soil Sc., AAU, Jorhat,	A	0.39	3	Kharif, 2018	1	-	1	2	-	2	3

		+ Biofertilizer (Azospirillum & PSB) as seedling root dip **<u>Plant Protection Measures</u> :** Use of Pheromone traps + Trichocard + Neem based pesticides **Farmer Practice:** 1. Application of compost @ 5t/ha 2. No Chemical fertilizer & pesticide	2014											
		4.Assessment Organic *Bhut Jolokia* cultivation package **Treatments:** **Treatment 1.** Enriched compost @ 10 t/ha (Ordinary compost prime with PSB & Azospirillum @ 1% adjusted with 1% RP as P and cure for 15-20 days) **Treatment 2.** Compost @ 10 t/ha + biofertilizer (Azospirillum and PSB) applied as seedling root dip. **Plant protection measures *:*** 1.Planting of maize plants as border crop, 2.Use of yellow sticky card for aphids @ 20 traps/bigha, 3.Application of neem based pesticides at 10 days interval 4.Use of Bordeaux mixture for control of disease **Observations:** Plant Height	AINP on Soil Biodiversity – biofertilizer, Deptt. of Soil Sc., AAU, Jorhat, 2014	A	0.39	3	Mid October to Mid November, 2018	1	-	1	2	-	2	3

		(cm), no. of fruit /plant, weight of fruit/plant (Kg), Yield, B:C ratio, insect infestation / 5 sqm, incidence of pest and disease **Farmers Practice**: Normal cultivation practice												

Mandated activities	**Thematic Area**	**Name of Technology demonstrated**	**Source and Year of release**	**Crop/ Cropping system**	**Area (in ha.)**	**Location**	**Period and Duration**	**Number of beneficiaries/ demon.**						
								SC/ST			**General**			**Grand Total**
								M	**F**	**Total**	**M**	**F**	**Total**	
Front Line Demonstration	Soil health													
	Soil management	1. INM in lathyrus under rice utera condition	AICRP on MULLaRP, RARS Shillongani, AAU	Lathyrus	2.50	5	Kharif, 2018	2	-	2	3	-	3	5
		2. Biofertilizer supplementation on production performance of *Kharif* Blackgram	AICRP on MULLaRP, RARS, Shillongani, AAU	Kharif Blackgram	2.50	5	Kharif, 2018	2	-	2	3	-	3	5
		3. Integrated nutrient management in lentil	AICRP on MULLaRP, RARS Shillongani, AAU	Lentil	2.50	5	Rabi, 2018	2	-	2	3	-	3	5

	Production of Organic Inputs	4.Demonstration on low cost vermicompost production technique (Bamboo structure with plastic lining)	Biswanath College of Agriculture, AAU, 2015	Vermicompostin g	15 unit	15	Year round	5	-	5	10	-	10	15

Mandated activities	Target group	Title of the training Programme and No. of Courses in bracket	No. of training progs	Period of the year	Duration (in days)	On/Off campus	Number of beneficiaries							Remarks
							SC/ST			General			Grand Total	
							M	F	Total	M	F	Total		
On and Off campus training programmes	Farmer and Farm women	1. INM in kharif and rabi Pulses	1	Aug, 2018	4	On	7	5	12	8	5	13	25	
		2. Low Cost Production technology of Vermicompost, compost , Enriched Compost and Azolla	1	August, 2018	3	On	8	2	10	10	5	15	25	
		3. Basic concept of Organic	1	October, 2018	3	On	9	3	12	8	5	13	25	

		farming												
	Rural Youth	4. Conservation Agriculture for enhancing resource use efficiency and farm productivity	1	July, 2017	3	On	10	2	12	8	5	13	25	
	Extension Personnel	5. Soil fertility management in organic farming	1	Dec, 2018	3	On	10	2	12	8	5	13	25	
Vocational training programmes	Farmer and Farm women													
	Rural Youth	6. Production technology of Biofertilizer	1	October, 2018	7	On	10	2	12	8	5	13	25	

Discipline: Plant Protection (Entomology)

Name of the concerned Subject Matter Specialist: Ms. Mousumi Phukon **Mobile No:** 9707260210
E-mail address: mousumiphukon@yahoo.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			General			Grand Total
								M	F	Total	M	F	Total	
On farm testing	Integrated Pest Mgmt	1.Biocontrol based IPM module against pests of okra **Technology:** 1. Use of yellow sticky trap @ 10 traps/ha 2. Six releases of T. chilonis @ 50000/ha/week 3. Removal and destruction of infested fruits and shoots 4. Rouging of YVM infested plants 5. Application of Neem based botanicals thrice at 15 days interval **Check:** Farmers practice	AICRP on biological control, NBAII, Bangalore	A	0.65	5	Kharif, 2018	2	-	2	3	-	3	5
	Integrated	2. Management of cut worm (*Agrotis*	AINP, 2013	A	0.65	5	Rabi, 2018	2	-	2	3	-	3	5

	Pest Mgmt	*ipsilon*)in potato **Technology :** 1. Soilapplication of imidacloprod @ 200 SL at the time of sowing 2.One spray of NSKE @ 5 ml/lit of water at 15 days after sowing 3.Gram bait 1st at 25 DAS and 2nd at 55 DAS (Gram bran 1 kg + jeggery 100 gm + yeast extract 1 gm + chlorpyriphos 1 ml) **Check:** Farmers practice												
	Integrated Disease Mgmt	2.Management of viral diseases in *king chilli* ***Technology:*** 1.Treatment of seeds with Trisodium phosphate @ 0.3% by soaking the seeds for 24 hours 2.Application of Imidacloprid @ 1ml/lit. water against vectors (Thrips, aphids,	AICRP on vegetable crops, AAU	A	0.39	3	Rabi' 2018	2	-	2	1	-	1	3

		white fly, mite etc.) 3. Weed management in Nursery and field **Check:** Farmers practice												
	Biological control (Insect/pest/ weeds etc)	3.Biointensive IPM package for the pests of cole crops ***Technology:*** 1. Border plantation of mustard crop against DBM 2. Three release of *T. chilonos* @ 100000/ha against DBM and *T. pieridis* against Pieris brassicae at 7 days interval 3. Mechanical collection of larvae of lepidopteran pests 4. Spraying NSKE or neem based botanicals @ 5 ml/lit of water at 10 days interval **Check:** Farmers practice	AICRP on biological control, NBAII, Bangalore	A	0.65	5	Rabi 2018	2	-	2	3	-	3	5

Mandated activities	Thematic Area	Name of Technology demonstrated	Source and Year of release	Crop/Cropping system	Area (in ha.)	Location	Period and Duration	Number of beneficiaries/ demon.						
								SC/ST			General			Grand Total
								M	F	Total	M	F	Total	
Front Line Demonstration	Integrated Pest Mgmt													
	Integrated Disease Mgmt													
	Biological control (Insect/pest/ weeds etc)	1.Demonstration on efficacy of pheromone traps in controlling fruit borer in tomato (Heli lure) and Shoot and fruit borer in brinjal (Lucilure) **Technology :** Helilure and Lucilure	Green Agri-Biotech, 2015	Brinjal	2	10	2018-19	10	-	10	-	-	-	10
		2. Biological suppression of rice pests (BIPM package) **Tecnology :** 1.Seed treatment with *P. fluorescence* @ 8 gm/kg of	AICRP on Biological control, AAU, Jorhat, 2013	Rice	0.65	5	Kharif, 2018	2	-	2	3	-	3	5

		seed 2. Pheromone trap @ 8 traps/ha for YSB 20 days after transplanting 3. Need based application of botanicals twice at 10 days interval												
	Beneficial insects	3.Demonstration on bee (*Apis mellifera*) keeping in toria cultivation **Tecnology :** 05 nos Bee (*Apis mellifera)* colonies/ha	AAU, Jorhat	Toria	05	05	Rabi'2018	10	-	10	15	-	15	25
	Other beneficial organisms	4. Cultivation of Year round cultivable mushroom var. Oyster- 444 **Technology :** Oyster - 444	AAU		05 unit	05	Rabi'2018	5	10	15	2	12	14	29
	Store grain pest													

Mandated activities	Target group	Title of the training Programme and No. of Courses in bracket	No. of training progs	Period of the year	Duration (in days)	On/Off campus	Number of beneficiaries							Remarks
							SC/ST			General			Grand Total	
							M	F	Total	M	F	Total		
On and Off campus training programmes	Farmer and Farm women	1.Organic management of insect pests of horticultural crops	1	June, 2018	5	On	8	2	10	10	5	15	25	
	Rural Youth	2.Production technology of home made botanicals and fungicides	1	July, 2018	3	On	7	5	12	8	5	13	25	
		3.Commercial cultivation of mushroom for self employment	1	October, 2018	5	On	9	3	12	8	5	13	25	
	Extension Personnel	4.Recent advances in organic management of vegetable crops	1	Dec, 2018	5	On	10	2	12	8	5	13	25	
	Civil Society													

Vocational training programmes	Farmer and Farm women													
	Rural Youth	5.Mushroom spawn production and its cultivation technology	1	Dec, 2018	10	On	10	2	12	8	5	13	25	
	Extension Personnel													
	Civil Society													
	NGO(including school drop-outs)													

Discipline: **Animal Science**

Name of the concerned Subject Matter Specialist: Dr.Ilakshy Deka **MobileNo:** 7002872765 **E-mail address:** drilakshy_pd@yahoo.com

Mandated activities	Thematic Area	Name of Technology	Source and Year of release	Assess/ Refine	Area (in ha.)	Location	Period and Duration	Number of beneficiaries/ trials						
								SC/ST			General			Grand Total
								M	F	Total	M	F	Total	
On farm testing	Breed introduction	**1.Productive assessment of dual purpose poultry breed Raibow** **Technology:** Rainbow **Observations to be recorded:** Weight at distribution, mortality, weight at laying, age at laying, no. of egg laid/year, hatchability of the eggs. **Control : local poultry** **Detail about technology:** It is a dual purpose bird. Maturity attainment at 5 months with an average weight of 1.9 to 2.2 kg (Female) and 3kg (Male) with egg production of 240 to 300 eggs/ annum. Eggs are of brown shell and yellow yolk. It don't go for brooding but have high disease resistance capacity.		A	10 units (10 birds / unit)	10	Round the year	-	3	3	-	7	7	10
		2. Assessment of HDK pig. **Technology: HDK pig** **Observations:** Age at distribution, Age at puberty, Age at first farrowing, Litter size, Litter weight, Mortality, Age and weight at weaning, Inter farrowing interval, Economics. **Control: Local pig.** **Detail about technology:** To	CVSc, AAU, 2017	A	3units (3 pigs/unit)	3	Round the year	-	-	-	-	3	3	3
	Feeding mgt													
	Healthcare													
	Housing	**3. Productive performance of quail in different housing system (case and litter)**	ICAR NEH	A	3 Units	3	Round the year	-	-	-	-	3	3	3

		Technology: Quail **Obsevations**: Body weight at distribution Mortality (%) Weight at onset of laying Age at onset of laying No. of egg laid Amount of feed consumed FCR Hatchability of the egg Check: Between two housing system.	Umium , 2016		(50 quail/unit)									
	Processing/ Value addition													
	Fodder production and quality enhancement													
	Pasture mgt.													
	Others (Pl. specify)													

Mandated activities	**Thematic Area**	**Name of Technology demonstrated**	**Source and Year of release**	**Livestock enterprise**	**Area (in ha.)**	**Location**	**Period and Duration**	**Number of beneficiaries/ demon.**						
								SC/ST			**General**			**Grand Total**
								M	**F**	**Total**	**M**	**F**	**Total**	
Front Line Demonstration	Breed introduction	1.Demonstration on productive performance of *Vigova Super M* broiler duck. **Technology:***Vigova Super M*	CPDI, Bhubaneswar	Duckery	10unit (20 duck/unit)	10	Round the year	-	-	-	-	10	10	10
	Breed improvement	2. Demonstration on Productive performance of turkey **Technology:**Turkey .	CARI, ICAR	Turkey	6 units(5 poult/ unit)	6	Round the year	-	-	-	6	-	6	6

	Feeding management	3. Demonstration of Area Specific mineral mixture(AAUVETMIN) supplementation during flushing and gestation in pigs. **Technology:** AAUVETMIN	C.V. Sc, AAU 2007	Piggery	3 units	10	Round the year	2	1	7	-	-	-	7
		4. Demonstration of fodder cultivation (hybrid Napier and congo signal) for dairy cattle.	AAU	Dairy	10 units (2000Sq. feet/unit)	10	Round the year	-	-	-	3	-	3	3

Mandated activities	**Target group**	**Title of the training Programme and No. of Courses in bracket**	**No. of training progs**	**Period of the year**	**Duration (in days**	**On/Off campus**	**Number of beneficiaries**							**Remarks**
							SC/ST			**General**			**Grand Total**	
							M	**F**	**Total**	**M**	**F**	**Total**		
		Prospect of Assam Hill Goat and its scientific management.	01	July	02	Off	-	-	-	10	15	25	25	
	Rural Youth	Commercial poultry farming.	01	June	05	Off	5	5	10	10	5	15	25	
	Extension Personnel (VFA)	Emerging and re-emerging diseases of livestock and poultry	01	August	03	On	5	-	5	20	-	20	25	
	Extension Personal (Krishi saksi)	Basic knowledge on livestock and poultry management	01	Sept	03	On	5	5	10	5	5	10	20	
	NGO(including school drop-outs)	Care and management of livestock and poultry during flood.	01	Nov	02	Off	5	5	10	10	5	15	25	
Vocational training programmes	Farmer and Farm women													
	Rural Youth	Scientific pig farming	1	Aug	07	On	5	5	10	10	5	15	25	
	Extn. Personnel													

Discipline: Home Science

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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	Energy saving tools/ devices	Assessment of effectiveness of paddy seed stripper	Deptt. Of FRM, College of Community Science, AAU, Jorhat	Assess	3 unit	3	2018-19	-	4	4	-	5	5	9
	Techniques of child care/ old age	Diagnostic assessment of rural malnourishment using basic health indices	Deptt. of Food Science and Nutrition, College of Community Science, AAU, Jorhat	Assess	-	5	2018-19	4	4	8	3	4	7	15
	Value Addition	Preparation of nutraceutical food beverage from Banana pseudo stem	Central Food Technological Research Institute (CFTRI), Mysore, India	Assess	3 unit	3	2018-19	-	15	15	-	15	15	30

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			General			Grand Total
								M	F	Total	M	F	Total	
Front Line Demonstration	Uses of women friendly tools (WFT)	Demonstration of women friendly vegetable plucker	PAU, Ludhiana	-	5unit	5	2018-19	-	5	5	-	5	5	10
		Demonstration on Uses of Fruit Harvester	PAU, Ludhiana	-	3 unit	3	2018-19	-	3	3	-	7	7	10
	Techniques of child care/ old age	Establishment of Farm Creche for all round development in Early childhood	Deptt. of Human Development & Family Studies, CCS, AAU, Jorhat	-	1 unit	1	2018-19	7	8	15	-	-	-	15

Mandated activities	Target group	Title of the training programme and No. of courses in bracket	No. of training progs	Period of the year	Duration (in days)	On/ Off campus	Number of beneficiaries							Remarks
							SC/ST			General			Grand Total	
							M	F	Total	M	F	Total		
On and Off campus training programmes	Farmer and Farm women	Importance and scope of Farm Creche for early childhood development	1	2018-19	5	Off	-	10	10	-	15	15	25	
	Rural Youth	Value added product preparation from waste materials	1	2018-19	5	On	-	7	7	-	18	18	25	

		Food processing and preservation	1	2018-19	5	Off	-	5	5	-	20	20	25	
		Income generation through value addition of water hyacinth	1	2018-19	5	Off	-	10	10	-	15	15	25	
	Extension Personnel	Development of linkages with Banks and other organizations	1	2018-19	1	Off	-	4	4	-	21	21	25	
Vocational training programmes	Farmer and Farm women	Production of nonwoven fabric for entrepreneurship development	1	2018-19	7	On	-	10	10	-	15	15	25	
	Rural Youth													
	Extension Personnel													

Discipline: **Fishery**

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	Pond management	**1. Assessment of polyculture of *Bhangan* with Indian Major Carps** **Technology:** Pond stocking with Bhangan- (30%) Top feeder-30%, Middle feeder-20%, Bottom feeder- 20% T1: Stocking of Bhangan with IMC T2: Stocking without Bhangan **Observations to be recorded:** Survival percentage, production / ha, B.C ratio	CIFA, Bhubaneswar	A	0.65	03	May'18 270 days	02	-	02	01	-	01	03
	Feeding management	**2. Production assessment of Indian Major Carps with *Azolla* supplementation in fish feed** **Technology:** Supplementation of *Azolla* with Rice bran and Mustard oil cake (Az, 50%; RB, 25%, MOC, 25%) T1: Feeding (Az, 50%; RB, 25%, MOC, 25%) T2: Feeding (Rb,50%;MOC,50%) **Observations to be recorded:** Survival percentage, production / ha, B.C ratio	Division of Animal Nutrition, IVRI, Izatnagar	A	0.65	03	May'18 270 days	01	-	01	02	-	02	03

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			General			Grand Total
								M	F	Total	M	F	Total	
Front Line Demonstration	Pond management	1.Demonstration on species combination and ratio in composite fish culture **Technology:** Stovking with IMC: 60% Exotic carps: 40%	FRC, AAU, Jorhat	Indian Major Carps and Exotic carps	0.80	5	May, 2018 270 Days	3	-	3	2	-	2	5

Mandated activities	Target group	Title of the training Programme and No. of Courses in bracket	No. of training progs	Period of the year	Duration (in days)	On/Off campus	Number of beneficiaries							Remarks
							SC/ST			General			Grand Total	
							M	F	Total	M	F	Total		
On and Off campus training programmes	Rural Youth	1.Integrated three tier fish culture and disease management in Aquaculture	1	June, 2018	5	Off	10	2	12	8	5	13	25	
		2.Common fish diseases and their treatment measures	1	July, 2018	5	On	10	2	12	8	5	13	25	
		3.Integrated rice fish farming	1	August, 2018	5	On	10	2	12	8	5	13	25	
Vocational training programmes	Farmer and Farm women	4.Recent advances in fish disease diagnosis and prevention approaches	1	June, 2018	7	On	10	2	12	8	5	13	25	
	Rural Youth	5.Integrated fish farming	1	August, 2018	7	On	10	2	12	8	5	13	25	

Extension Activities of the KVK proposed for the year 2018-19

Specific activity	No. of activities	Period of the year	Duration (in days)	Number of beneficiaries (No.)							
				SC/ST			General			Grand Total	
				M	F	Total	M	F	Total	M	F
Diagnostic visit	72	2018-19	-	25	45	68	25	30	51	50	75
Advisory services/ telephone talk	349	2018-19	-	160	13	171	120	34	154	280	65
Training Manual	4	2018-19	-	-	-	-	-	-	-	-	-
Celebration of Important days	6	2018-19	5	250	185	435	50	20	70	300	205
Exhibition	2	2018-19	7	-	-	-	-	-	-	-	-
Exposure visit	5	2018-19	5	-	-	-	-	-	-	-	-
Extension literature (Leaflet/ folders/ Pamphlets)	8	2018-19	-	-	-	-	-	-	-	-	-
Extension / technical bulletin	5	2018-19	-	-	-	-	-	-	-	-	-
News letter	1	2018-19	-	-	-	-	-	-	-	-	-
News paper coverage	16	2018-19	-	-	-	-	-	-	-	-	-
Research publications	6	2018-19	-	-	-	-	-	-	-	-	-
Success stories/ Case studies	4	2018-19	-	-	-	-	-	-	-	-	-
Farm Science Clubs' Convenors meet	-	2018-19	-	-	-	-	-	-	-		
Farmers' Seminar	1	2018-19	-	-	-	-	-	-	-		
Farmers' visit to KVKs	1700	2018-19	-	-	-	-	-	-	-	-	-
Ex-trainees' meet	3	2018-19	-	-	-	-	-	-	-	-	-
Field day	30	2018-19	-	-	-	-	-	-	-	-	-
Film show	1	2018-19	-	-	-	-	-	-	-	-	-
Radio Talk	15	2018-19	-	-	-	-	-	-	-	-	-
TV talk	2	2018-19	-	-	-	-	-	-	-	-	-
Kishan Goshthi	2	2018-19	-	-	-	-	-	-	-	-	-
Group Meeting	8	2018-19	-	-	-	-	-	-	-	-	-
Kishan Mela	4	2018-19	-	-	-	-	-	-	-	-	-
Soil Health Camps	4	2018-19	-	-	-	-	-	-	-	-	-

Animal Health Camps	6	2018-19	-	-	-	-	-	-	-	-	-
Awareness camp Mobile Agro-Advisory 2018-19 (Messages/ Beneficiaries)	12 100/120000	2018-19	-	-	-	-	-	-	-	-	-
Method demonstration	35	2018-19	-	-	-	-	-	-	-	-	-
Scientists' visit to farmers' field	100	2018-19	-	-	-	-	-	-	-	-	-
Workshop/ Seminar	3	2018-19	-	-	-	-	-	-	-	-	-
Soil Testing	800	2018-19	-	-	-	-	-	-	-	-	-
Water Testing	-	-	-	-	-	-	-	-	-	-	-
Plant Testing	-	-	-	-	-	-	-	-	-	-	-
Manure Testing	-	-	-	-	-	-	-	-	-	-	-

Activity Calendar of the KVK (Month-wise target to be completed) for the year 2018-19

KVK: KVK, Jorhat

Activity/ Month	**Apr**	**May**	**June**	**July**	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Total**
OFT (Nos.)													
i. Number of Technologies	4	3	1	1	2	1	5	4	-	1	-	-	22
i. Number of Trials	33 units	15	5	5	10	5	25	20	-	5	-	-	123
ii. Area (ha)/ items (no.)	33 units	3.75	0.65	0.65	1.74	-	2.6	1.95	-	0.13	-	-	11.47
FLD (Nos.)													
i. Number	4	3	2	2	1	1	2	3	2	-	0	-	20
ii. Area(ha)/ items (no.)	40 units, 0.1	6	2.5	8	-	10 unit	0.52	5.5	-	-	0.26	-	28.66
Training programme													
A. Farmer													
i. No. of course	1	1	1	1	1	2	2	2	1	1	1	-	14
ii. No. Of participants	25	25	25	25	25	50	50	50	25	25	25	-	350
B. Rural Youth													
i. No. of course	-	-	2	2	3	1	3	1	2	2	2	-	18
ii. No. Of participants			50	50	75	25	75	25	50	50	50	-	450

C. Ext. Personnel													
i. No. of course	-	-	-	1	1	1	-	-	1	1	1	-	6
ii. No. Of participants	--	-		25	25	25	-	-	25	25	25	-	150
Extension Activities/ programmes													
i. No. of activities	2	1	5	6	4	5	3	4	2	2	2	1	37
ii. No. of beneficiaries	310	205	525	400	375	390	200	150	200	126	175	190	3246
Seeds production (tonnes)	-	-	-	-	-	-	-	4	7.35	1.30	0.20	-	12.85
Planting materials (Nos. in lakh)	0.020	0.021	-	-	0.05 1	0.03	0.06	-	-	-	-	-	0.182
Livestock strains (No. in lakh)	-	-	-	-	-	0.0006	-	-	-	-	-	-	0.0006
Bio-fertilizers/ Vermicompost etc. (in Tonnes)	0.25	0.25	0.25	0.50	0.40.	0.50	0.75	0.25	0.50	0.75.	0.25	0.25.	4.9
Soil , Water, Plant, Manures Testing (No. of samples to be tested)	Soil-	180	105	110	168	135	142	146	139	149	125	129	Soil-1528
Soil , Water, Plant, Manures Testing (No. of farmers benefitted)	Soil-	180	105	110	168	135	142	146	139	149	125	129	Soil-1528
Soil , Water, Plant, Manures Testing (No. of villages covered)	Soil-	-	-	-	-	-	-	-	-	-	-	-	Soil-15
Mobile Agro-Advisory (No. of Messages)	22	17	15	14	16	14	17	15	14	23	17	28	212
Mobile Agro-Advisory (No. of Farmers)	2500	3500	2400	3000	2500	2500	3300	3400	4200	5000	2800	3200	38300

Principal Scientist & Head
KVK, Jorhat