ANNUAL ACTION PLAN

2017-18

Krishi Vigyan Kendra, Jorhat
Assam Agricultural University
Teok-785112

Indian Council of Agricultural Research

Agricultural Technology Research Institute, Zone-III, Umiam, Meghalaya

Format for Annual Action Plan Formulation of KVKs, Zone-III for 2017-18

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	9859991463
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 address:**.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 submergence tolerant rice var. *Ranjit Sub-1* and *Bahadur Sub -1* ***Technology:*** Submergence tolerant rice var. *Ranjit sub -1, Bahadur sub* -1 **Check:** *Ranjit and Bahadur* varieties	AAU (RARS, Titabor)	Assess	0.65	5	Kharif, 2017	2	-	2	3	-	3	5
		2. Performance assessment of lentil vars. *HUL 57and Moitree* under rice utera condition **Technology:** T_1= Sowing of HUL 57, Moitree, using a seed rate of 40 kg/ha almost 20 days before harvesting of the *Sali* rice T_2 = =Farmers practice Farmers practice: Local lentil variety	AAU (RARS, Shillongoni)	Assess	0.65	5	Rabi, 2017	2	-	2	3	-	3	5

		3. Performance assessment of few new crops in Majuli suitable for crop diversification and environmental stress mitigation (crops : linseed, niger, buckwheat) **Technology:** Crop : Linseed, Niger, Buckwheat with established varieties from different organisation **Check :** Local varieties (if any)	Established varieties from different organisation	Assess	0.39	3	Rabi, 2017	2	-	2	1	-	1	3
		4. Varietal Evaluation of Yellow Sarson Variety (Variety-YSH-401) **Technology:** Crop: Short duration Yellow Sarson Variety: YSH-401 Duration: 95-100 days Yield: 18 q/ha (As per Directorate of Rape and Mustard, Bharatpur) **Check variety:** Vinay	Directorate of Rapeseed Mustard Research, Bharatpur, Rajasthan	Assess	0.65	5	Rabi, 2017	2	-	2	3	-	3	5
	Seed Production													
	Integrated Weed Management													
	Integrated Nutrient Managem													

	ent													
	Integrated Water Management													
	Tillage Management													

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 of *aromatic premium quality rice* variety KDML -105 (Padumoni) suitable for semi deep water situation	AAU (RARS, Lakhimpur)	Paddy	2	8	Kharif, 2017	4	-	4	4	-	4	8
		2. Demonstration on HY boro paddy variety 'Kanaklata / Joymoti' in non-conventional flood affected areas of Jorhat & Majuli district	AAU	Paddy	5	10	Boro, 2017	5	-	5	5	-	5	10
	Seed Production													
	Integrated Weed Management	3. Integrated weed management in *kharif* black gram and green gram	AAU	Blackgram/ Greengram	2	10	Kharif, 2017	5	-	5	5	-	5	10
	Integrated Nutrient Management													

	Integrated Crop Management	4. Demonstration on Integrated crop management in maize	AAU	Maize	2	8	Rabi, 2017	4	-	4	4	-	4	8
		5. Demonstration on Integrated crop management of sesamum	AAU	Sesame	1	5	Kharif, 2017	2	-	2	3	-	3	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	Farmer and Farm women	1.Boro rice cultivation with special emphasis on SRI and water management	1	October, 2017	5	Off	10	-	10	15	-	15	25	
		2.Scientific Cultivation practices of major cereals, oilseeds and pulses for rural food security	1	2017-18	2	Off	8	2	10	10	5	15	25	
	Rural Youth	3.Quality Seed production of major field crops – a venture for self employment of rural youth	1	2017-18	5	On	8	2	10	10	5	15	25	
	Extension Personnel	4.Recent advances on major cereals, pulses,	1	2017-18	5	On	8	2	10	10	5	15	25	

		oilseeds, tuber crop production with special emphasis on seed production and certification procedure												
Vocational training programmes	Farmer and Farm women													
	Rural Youth	5.IFS for livelihood security	1	2017-18	7	On	8	2	10	10	5	15	25	
	Extension Personnel													
	Civil Society													
	NGO(including school drop outs)													
Sponsored training programmes														Sponsoring agency
	Farmer and Farm women													
	Rural Youth													
	Extension Personnel													
	Civil Society													
	NGO(including school drop outs)													

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 summer marigold variety *Seracole* **Check:** Local variety	Department of Horticulture, AAU, Jorhat	Assess	0.13	3	Summer, 2017	1	-	1	2	-	2	3
	Integrated Nutrient Management													
	Integrated Weed Management													
	Orchard Rejuvenation													
	Post Harvest Processing/ Value Addition													
	Canopy mgmt.													
	Landscaping													
	Mechanization													

	Organic Cultivation	2.Organic Cultivation of turmeric var. *Megha turmeric-1* **Technology:** *i)*Land preparation: Application of Neem cake (25 gm/pit) ii)Nutrient management: Application of FYM or cow dung 5 ton per ha , Neem cake 2 ton per ha and suitable microbial culture of Azospirillum iii)Plant Protection: Bordeaux mixture 1% for Leaf spot and leaf blotch **Observations to be recorded** No of Rhizomes per plant,length of Rhizomes (cm),girth of Rhizomes (cm),average wt of Rhizomes/plant (kg),yield (t/ha),rhizome flesh color, disease reaction, **Farmers practice**: cultivation with compost/ cow dung	DBT, ICAR	A	0.65	5	2017-18	2	-	2	3	-	3	5
		3.Organic Cultivation of Ginger var. Nadia **Technology:** i)Land preparation: Neemcake application (25gm/pit) (ii)Nutrient management: FYM @ 10-12t/ha and vermicompost@5t/ha and mulching with green leaves @12-15t/ha, Application of Neem cake (2 t/ha), suitable microbial culture of	DBT, ICAR	0.65	A	5	2017-18	3	1	4	1	-	1	5

		Azospirillum and PSB (iii)Plant protection: Seed rhizome mixed with FYM/compost , inoculated with *Trichoderma harzianum* @5-10g/kg , spraying Neem gold 0.5% or Dipel 0.3% against shoot borer **Observations:** No of Rhizomes per plant, length of rhizomes (cm), girth of rhizomes (cm),average wt of rhizomes/plant (kg),Yield (t/ha),rhizome flesh Colour,disease reaction **Farmers practice**: Normal cultivation practice												
		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. **Observations to be Recorded** No. of fingers/hand,fruit length (cm), no. of hands/bunch, wt. of bunch/plant (kg), disease & pest infestation (%),Yield (t/ha), B:C **Check:** Normal cultivation practice	AICRP on tropical fruits, AAU, Jorhat 2014	DBT, ICAR	0.65	A	5	2017-18	3	1	4	1	5	6

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 water melon production technology var. Sugar baby **Technology:** Water melon production technology var. Sugar baby	AAU, Jorhat,2011	Water Melon	0.39	3	2017-18	2	-	2	1	-	1	3
		2. Demonstration on cultivation technology of Thailand Ber	Rameshwar farm, Gujarat, 2014	Thailand Ber	0.195	3	2017-18	2	-	2	1	-	1	3
	Integrated Nutrient													
	Integrated Weed Management													
	Orchard Rejuvenation													
	Post Harvest Processing/ Value Addition													
	Canopy mgmt.													
	Landscaping													
	Mechanization													
	Organic Cultivation	3. Demonstration on Organic tomato Cultivation **Technology:** Application of FYM treated with *Trichoderma harzianum* @1 kg/t of FYM at nursery	DBT & ICAR, 2010	Tomato	0.39	3	2017-18	1	1	2	1	-	1	3

		bed 2) Application of FYM treated with *Trichoderma harzianum* @1 kg/t of FYM at the time of planting												
		4. Cultivation of Okra based on organic nutrient sources **Technology:** 1) Land treatment : Rock phosphate @320kg/ha and FYM @5 t/ha + vermicompost @1 t/ha 2) Seed Treatment with AZB and PSB 3) Plant protection:Pheromone trap, neem based pesticides	AAU, 2004	Okra	0.39	3	2017-18	1	1	2	1	-	1	3

Mandated activities	**Target group**	**Title of the training Programme and No. of Courses in bracket**	**No. of training progs**	**Period of the year**	**Duration (in days)**	**On/Off campus**	**Number of beneficiaries**							**Remarks**
							SC/ST			**General**			**Grand Total**	
							M	**F**	**Total**	**M**	**F**	**Total**		
On and Off campus training programmes	Farmer and Farm women	1. Post-harvest handing & management of important fruits and vegetables crops	1	October, 2017	5	Off	10	-	10	15	-	15	25	
		2.Rejuvenation of old fruit orchard	1	2017-18	4	Off	8	2	10	10	5	15	25	
		3.Commercial cultivation of some important Flowers - Rose, Marigold, tulip, Chrysanthemum, etc.	1	2017-18	4	On	8	2	10	10	5	15	25	
	Rural Youth													
	Extension Personnel	4.Improvednursery management practice for healthy vegetable seedling	1	2017-18	5	On	8	2	10	10	5	15	25	

		production												
	Civil Society													
	NGO(including school drop-outs)													
Vocational training programmes	Farmer and Farm women													
	Rural Youth	5.Nursery management techniques	1	2017-18	10	On	8	2	10	10	5	15	25	
	Extension Personnel													
	Civil Society													
	NGO(including school drop-outs)													
	Others (Pl. specify)													
Sponsored training programmes														Sponsoring agency
	Farmer and Farm women													
	Rural Youth													
	Extension Personnel													
	Civil Society													
	NGO(including school drop-outs)													

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. INM in Lentil under Rice Utera condition (Variety: Ratan/ Nirmal) **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	0.65	5	Mid October to Mid November, 2016	3	-	3	2	-	2	5
	INM	2. 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:	AICRP on MULLaRP, RARS, AAU,	A	0.65	5	Mid October to Mid November, 2016	3	-	3	2	-	2	5

		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	Shillong oni, 2016											
	Organic Management	3.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 (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	AINP on Soil Biodiversity – biofertilizer, Deptt. of Soil Sc., AAU, Jorhat, 2014	A	0.65	5	Mid October to Mid November, 2016	3	-	3	2	-	2	5

		4. 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) + 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	AINP on Soil Biodiversity – biofertilizer, Deptt. of Soil Sc., AAU, Jorhat, 2014	A	0.65	5	Mid October to Mid November, 2016	3	-	3	2	-	2	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	Soil health													
		1. Frontline Demonstration on Efficacy of zinc in rice productivity	RARS, Titabar, 2013	Paddy	2.50	5	Kharif, 2017	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, 2017	2	-	2	3	-	3	5

		3. INM in lathyrus under rice utera condition	AICRP on MULLaRP, RARS Shillongani, AAU	Lathyrus	2.50	5	Kharif, 2017	2	-	2	3	-	3	5
		4. Integrated nutrient management in lentil	AICRP on MULLaRP, RARS Shillongani, AAU	Lentil	2.50	5	Kharif, 2017	2	-	2	3	-	3	5
	Soil management													
	Soil testing													
	Soil amendment (Lime/ Others)													
	Soil biology(BGA/ Azolla)													
	Soil microbes (beneficial)													
	Production of Organic Inputs	5.Demonstration on low cost vermicompost production technique (Bamboo structure with plastic lining)	BiswaNath College of Agriculture, AAU, 2015	Vermicomposting	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. Low Cost Production technology of Vermicompost, compost , Enriched Compost and Azolla	1	June, 2017	5	On	8	2	10	10	5	15	25	
		2. INM in kharif Pulses (Green gram, Blackgram)	1	July, 2017	3	On	7	5	12	8	5	13	25	
		3. INM in rabi Pulses (Lentil, Lathyrus & Pea)	1	October, 2017	3	On	9	3	12	8	5	13	25	
	Rural Youth	4. Soil fertility management in organic farming	1	July, 2017	5	On	10	2	12	8	5	13	25	
	Extension Personnel	5. Soil fertility management in organic farming	1	Dec, 2017	5	On	10	2	12	8	5	13	25	
	Civil Society													
	NGO(including school drop outs)													
Vocational training programmes	Farmer and Farm women													
	Rural Youth	6. Vocational Training on Soil Health Management & Soil Testing	1	October, 2017	10	On	10	2	12	8	5	13	25	
	Extension Personnel													
	Civil Society													

Discipline: **Plant Protection (Entomology/ Plant Pathology/ Nematology)**

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' 2017	2	-	2	3	-	3	5
	Integrated Disease Mgmt	2.Management of viral diseases in *Bhut Jolokia* ***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, white fly, mite etc.) 3. Weed management in Nursery and field **Check:** Farmers practice	AICRP on vegetable crops, AAU	A	0.39	3	Rabi' 2017	2	-	2	1	-	1	3
	Biological control (Insect/pest	3.Biological suppression of rice pests *using BIPM module* ***Technology:*** 1. Seed treatment with *P. flurescenc*e @ 8 gm/kg of seeds or seedling root dip	AICRP on biological control, NBAII,	A	0.65	5	Kharif' 2017	2	-	2	3	-	3	5

	/ weeds etc)	treatment with 2% suspension of *P. flurescence* 2. Spray of *B. bassiana* @ 10^3 spore/ha against sucking pest for two times at 15 days interval 3. Release of *T. japonicum* @ 10000/ha from 30 days after transplanting 4. Erecting bird perches @ 10 nos/plot 5. Application of neem based pesticides @ 3 ml/lit. at 10 days interval twice **Check:** Farmers practice	Bangalore											
	Product evaluation (Efficacy)													
	Beneficial insects													
	Other beneficial organisms	4.Performance assessment of year round cultivable paddy straw mushroom var. Oyster-444 **Check:** Winter season variety (Oct-March)	Mushroom Bio-tech and Spawn centre, Sangri-La Mushroom, Jalpaiguri	A	10 unit	5	2017-18	2	-	2	3	-	3	5
	Store grain pest													
	Others (Pl. specify)													

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 flies in cucurbits (Cue lure) and Khasi mandarin (Methyl euginol)	AAU licensed to Green Agri-Biotech	cucurbits and Khasi mandarin	1	5	2017-18	10	-	10	-	-	-	10
		2. Demonstration on efficacy of pheromone traps in controlling fruit borer in tomato (Heli lure) and Shoot and fruit borer in brinjal (Lucilure)	Green Agri-Biotech	Brinjal	2	10	2017-18	10	-	10	-	-	-	10
	Product evaluation (Efficacy)													
	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'17 90 days	10	-	10	15	-	15	25
	Other beneficial organisms	4. Cultivation of mushroom var. Oyster **Technology :** Oyster (*Sajorcaju & Ostrietus*)	AAU		05 unit	05	Rabi'17	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						Grand Total	Remarks
							SC/ST			General				
							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, 2017	5	On	8	2	10	10	5	15	25	
	Rural Youth	2.Production technology of home made botanicals and fungicides	1	July, 2017	3	On	7	5	12	8	5	13	25	
		3.Commercial cultivation of mushroom for self employment	1	October, 2017	5	On	9	3	12	8	5	13	25	
	Extension Personnel	4.Recent advances in organic management of vegetable crops	1	Dec, 2017	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, 2017	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:** 9864040681. **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.Assessment of productive performance of dual purpose poultry breed kamrupa **Technology:** Poultry breed *Kamrupa* **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	CVSc, AAU, 2014	A	10 unit (10 birds / unit)	10	Round the year	-	3	3	-	7	7	10
	Breed introduction	2. Productive performance of turkey **Technology:**Turkey breed-Broad breasted white and broad breasted bronze. **Observations:** 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 breeds	CARI, ICAR	A	5 units(8 poult/ unit)	5	Round the year	-	-	-	5	-	5	5

	Breed introduction	3. Assessment of Rainbow Rooster as backyard poultry in Jorhat district. **Technology: Rainbow Rooster** Observations:Age at distribution,Body weight at distribution,Mortality,Weight at onset of laying,Age at onset of laying,Nos. of egg laid,Amount of feed consumed,FCR Economics. **Control:** Local hen.	Indbro Research and Breeding Farm Private Limited	A	10 units (10 chicks)	10	Round the yera	-	-	-	-	10	10	10
	Breed Improvement													
	Feeding management													
	Healthcare													
	Housing	4.Productive performance of quail in different housing system (cage and litter) **Tecnology**: 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.	ICAR NEH Uumiam, 2016	A	6 Units (30 quail/unit)	6	Round the year	-	-	-	-	6	6	6
	Processing/ Value addition													

	Fodder production and quality enhancement													
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	5 unit (30 duck/unit)	5	Round the year	-	-	-	-	5	5	5
	Breed improvement	2. Demonstration on "Khaki Campbell and its productive performance". **Technology:** Khaki Campbell	CPDO (Southern Region) Hessarghatta, Bangalore – 560088.	Duckery	6 unit (15 duckling/unit)	6	Roud 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	Piggery	10 units	10	Round the year	7	3	10	-	-	-	10
	Healthcare													
	Housing													
	Processing/ Value addition													
	Fodder production	4. Demonstration of urea treated straw feeding in dairy cows.	NDRI	Dairy	20 units	20	Round the year	-	-	-	3	-	3	3

	and quality enhancement	Technology:Urea Treated Straw												
	Pasture management													

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.Scientific farming of dual perpose backyard poultry	01	April	05	Off	05	05	10	10	05	15	25	
	Rural Youth	2.Scientific management of pig.	01	May	05	0ff	15	10	25	-	-	-	25	
		3.Commercial poultry farming (Broiler, layer, back yard poultry, duck, quail, and turkey.	01	June	05	0ff	5	5	10	10	5	15	25	
	Extension Personnel	4.Management and prevention of Zoonotic diseases along with biosecurity measures for animal farming	01	Sept	03	On	5	-	5	20	-	20	25	
	Civil Society													
	NGO(including school drop-outs)													
	Others (Pl. specify)													

Vocational training programmes	Farmer and Farm women													
	Rural Youth	5.Value additional of milk, egg and meat	1	Aug	10	On	5	5	10	10	5	15	25	
	Extension Personnel													
	Civil Society													
	NGO(including school drop-outs)													

Discipline: **Fishery**

Name of the concerned Subject Matter Specialist:..... **Mobile No:**.....**E-mail address:**.....

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'17 270 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'17 270 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, 2017 270 Days	3	-	3	2	-	2	5
	Fish breeding													
	Feeding management	2. Demonstration of *Sushm*a fish feed in carp productivity **Technology:** IMC Feeding management (@2.5 % of body wt of fish/ day)	FRC, AAU, Jorhat	Indian Major Carps	0.65	3	May, 2017 270 Days	03	-	03	-	-	-	06
	Diseases management													
	Post harvest processing/ Value addition													
	Integrated Farming	3. Integrated Rice- Fish farming **Technology:**Integrated Rice Fish farming (Fish, 1080/bigha) (Sali rice var. Ranjit in 67% area)	FRC, AAU, Jorhat	Indian Major Carps, Silver carp, common	0.80	5	June, 2017 270 Days	03	-	03	02	-	02	05

				carp										

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													
	Rural Youth	1.Integrated three tier fish culture and disease management in Aquaculture	1	June, 2017	5	Off	10	2	12	8	5	13	25	
		2.Common fish diseases and their treatment measures	1	July, 2017	5	On	10	2	12	8	5	13	25	
		3.Integrated rice fish farming	1	August, 2017	5	On	10	2	12	8	5	13	25	
	Extension Personnel													
	Civil Society													
	NGO(including school drop-outs)													
Vocational training programmes	Farmer and Farm women	4.Recent advances in fish disease diagnosis and prevention approaches	1	June, 2017	7	On	10	2	12	8	5	13	25	
	Rural Youth	5.Integrated fish farming	1	August, 2017	7	On	10	2	12	8	5	13	25	

Discipline: Home Science

Name of the concerned Subject Matter Specialist: Mrs Binapani Deka **Mobile No:** +919435090073 **E-mail address:** dbinapani@ymail.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	Nutritional Gardening													
	Nutritional diet for children/ Pregnant women													
	Energy saving tools/ devices	1.Assessment of low cost Solar Cooker for household cooking purpose	Central Food Technological Research Institute (CFTRI), Mysore, India	Assess	3 unit	3	2017-18	-	2	2	-	1	1	3
	Water harvesting devices including purification													
	Hygienic Sanitation													
	Organic dye													

	introduction/ utilization													
	Uses of women friendly tools (WFT)	2.Assessment of Protective clothing for farm women	AICRP on Home Sc., Deptt. Of Textile & Apparel Designing, College of Home Sc. AAU, Jorhat	Assessment	3	15	2017-18	-	5	5	-	10	10	15
	Techniques of child care/ old age													
	Value Addition	3.Production and assessment of Ready-To-Serve (RTS) beverage from banana pseudo stem	Central Food Technological Research Institute (CFTRI), Mysore, India	Assessment	3	30	2017-18	-	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	Nutritional Gardening													
	Storage techniques (grains/ fruits/ fishes/ meat etc)	1.Demonstration of Improved Duli	Dept. of Extension Education, College of Home Science, AAU-Jorhat	-	3 unit	3	2017-18	-	1	1	-	2	2	3
	Uses of women friendly tools (WFT)	2.Demonstration of women friendly vegetable cutter	PAU, Ludhiana	-	3 unit	3	2017-18	-	10	10	-	20	20	30
	Techniques of child care/ old age													
	Union Fabric	3.Construction of Union Fabric	AICRP on Home Science College of Home Science, AAU	-	3 unit	3	2017-18	-	15	15	-	15	15	30
	Value addition	4.Production of Ready to use fortified petha mixture	Central Food Technolog	-	3 unit	3	2017-18	-	15	15	-	15	15	30

			ical Research Institute (CFTRI), Mysore, India											

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													
	Rural Youth	1.Production of Bakery products	1	2017-18	5	On	-	5	5	-	20	20	25	
		2.Food processing and preservation	1	2017-18	5	Off	-	10	10	-	15	15	25	
		3.Dyeing and printing	1	2017-18	5	Off	-	5	5	-	20	20	25	
	Extension Personnel													
	Civil Society													
	NGO(including school drop outs)													
Vocational training programmes	Farmer and Farm women	4.Diversified product preparation from woven fabric	1	2017-18	7	On	-	5	5	-	20	20	25	
	Rural Youth	5..Cnstruction of infant garment	1	2017-18	7	On	-	5	5	-	20	20	25	
	Extension Personnel													

Sponsored training programmes														**Sponsoring agency**
	Farmer and Farm women													
	Rural Youth													
	Extension Personnel													
	Civil Society													

Extension Activities of the KVK proposed for the year 2017-18

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	75	2017-18	-	25	45	68	25	30	51	50	75
Advisory services/ telephone talk	345	2017-18	-	160	13	171	120	34	154	280	65
Training Manual	5	2017-18	-	-	-	-	-	-	-	-	-
Celebration of Important days	5	2017-18	5	250	185	435	50	20	70	300	205
Exhibition	12	2017-18	7	-	-	-	-	-	-	-	-
Exposure visit	5	2017-18	5	-	-	-	-	-	-	-	-
Extension literature (Leaflet/ folders/ Pamphlets)	8	2017-18	-	-	-	-	-	-	-	-	-
Extension / technical bulletin	5	2017-18	-	-	-	-	-	-	-	-	-
News letter	1	2017-18	-	-	-	-	-	-	-	-	-
News paper coverage	15	2017-18	-	-	-	-	-	-	-	-	-
Research publications	5	2017-18	-	-	-	-	-	-	-	-	-
Success stories/ Case studies	5	2017-18	-	-	-	-	-	-	-	-	-
Farm Science Clubs' Convenors meet	-	2017-18	-	-	-	-	-	-	-		

Farmers' Seminar	1	2017-18	-	-	-	-	-	-	-		
Farmers' visit to KVKs	1700	2017-18	-	-	-	-	-	-	-	-	-
Ex-trainees' meet	3	2017-18	-	-	-	-	-	-	-	-	-
Field day	30	2017-18	-	-	-	-	-	-	-	-	-
Film show	1	2017-18	-	-	-	-	-	-	-	-	-
Radio Talk	15	2017-18	-	-	-	-	-	-	-	-	-
TV talk	1	2017-18	-	-	-	-	-	-	-	-	-
Kishan Goshthi	1	2017-18	-	-	-	-	-	-	-	-	-
Group Meeting	6	2017-18	-	-	-	-	-	-	-	-	-
Kishan Mela	5	2017-18	-	-	-	-	-	-	-	-	-
Soil Health Camps	5	2017-18	-	-	-	-	-	-	-	-	-
Animal Health Camps	5	2017-18	-	-	-	-	-	-	-	-	-
Awareness camp Mobile Agro-Advisory (Messages/ Beneficiaries)	11 100/120000	2017-18	-	-	-	-	-	-	-	-	-
Method demonstration	50	2017-18	-	-	-	-	-	-	-	-	-
Scientists' visit to farmers' field	125	2017-18	-	-	-	-	-	-	-	-	-
Workshop/ Seminar	2	2017-18	-	-	-	-	-	-	-	-	-
Soil Testing	1000	2017-18	-	-	-	-	-	-	-	-	-
Water Testing	-	-	-	-	-	-	-	-	-	-	-
Plant Testing	-	-	-	-	-	-	-	-	-	-	-
Manure Testing	-	-	-	-	-	-	-	-	-	-	-

Activity Calendar of the KVK (Month-wise target to be completed) for the year 2017-18

KVK: KVK, Jorhat

Activity/ Month	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
OFT (Nos.)													
i. Number of Technologies	2	5	1	1	2	1	4	3	-	3	-	-	22
i. Number of Trials	33 units	25	5	5	10	-	20	15	-	3	-	-	91
ii. Area (ha)/ items (no.)	33 units	3.25	0.65	0.65	1.74	-	2.6	1.95	-	0.13	-	-	10.97
FLD (Nos.)													
i. Number	3	7	2	2	-	2	4	2	3	-	1	-	26
ii. Area(ha)/ items (no.)	43 units, 0.1	9	2.5	6	-	10 unit	0.52	5.5	-	-	0.26	-	29.66
Training programme													
A. Farmer													
i. No. of course	1	1	1	1	1	1	1	1	1	1	2	-	12
ii. No. Of participants	25	25	25	25	25	25	25	25	25	25	50	-	300
B. Rural Youth													
i. No. of course	-	-	2	2	2	2	2	2	2	2	2	-	18
ii. No. Of participants			50	50	50	50	50	50	50	50	50	-	450
C. Ext. Personnel													
i. No. of course	-	-	1	1	1	1	-	-	1	1	1	-	7
ii. No. Of participants	--	-	25	25	25	25	-	-	25	25	25	-	175
Extension Activities/ programmes													
i. No. of activities	4	2	5	4	3	3	2	1	2	1	2	1	30
ii. No. of beneficiaries	511	205	525	400	375	390	200	150	200	126	175	190	3447
Seeds production (tonnes)	-	-	-	-	-	-	-	4	7.35	1.30	0.20	-	12.85
Planting materials (Nos. in lakh)	0.020	0.021	-	-	0.051	0.03	0.06	-	-	-	-	-	0.182
Livestock strains (No. in lakh)	-	-	-	-	-	0.0005	-	-	-	-	-	-	0.0005
Fingerlings (No. in lakh))													
Bio-agents/ products (tonnes)	-	-	-	-	-	-	-	-	-	-	-	-	-
Bio-fertilizers/ Vermicompost etc. (in Tonnes)	0.25	0.25	0.25	0.25	0.30.	0.50	0.50	0.30	0.50	0.50.	0.25	0.25.	4.1
Soil , Water, Plant, Manures Testing (No. of samples to be tested)	Soil- Water- Plant-	175	100	120	158	145	132	145	133	145	120	127	Soil-1500 Water- Plant-

	Manures-												Manures-
Soil , Water, Plant, Manures Testing (No. of farmers benefitted)	Soil- Water- Plant- Manures-	175	100	120	158	145	132	145	133	145	120	127	Soil-1500 Water- Plant- Manures-
Soil , Water, Plant, Manures Testing (No. of villages covered)	Soil- Water- Plant- Manures-	-	-	-	-	-	-	-	-	-	-	-	Soil-15 Water- Plant- Manures-
Mobile Agro-Advisory (No. of Messages)	20	15	13	15	14	15	18	16	15	25	15	25	206
Mobile Agro-Advisory (No. of Farmers)	3000	3800	2500	3200	2700	3000	3600	3200	4000	5000	3000	3500	40500

Signature
Head
KVK, Jorhat