



ANNUAL ACTION PLAN (2018-2019)



**Krishi Vigyan Kendra, Sujani
Deoghar, Jharkhand**

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KRISHI VIGYAN KENDRA, DEOGHAR (JHARKHAND)

1. GENERAL INFORMATION ABOUT THE KVK

1. Name and address of KVK with phone, fax and e-mail

Address	Telephone		E mail
	Office	FAX	
Krishi Vigyan Kendra, Sujani P.O.-Ghorlash, Distt.-Deoghar PIN-814152 (Jharkhand)	09430320305	06432-232967	kvkdeoghar@gmail.com kvkdoghar@yahoo.co.in

2. Name of the Programme Coordinator with phone & mobile No

Name	Telephone / Contact		
	Residence	Mobile	Email
Sri P.K.Sannigrahi	07779997459	09430320305	pksannigrahi@gmail.com psannigrahi@ymail.com

3. Name of District and State Hqrs. : Deoghar, Jharkhand
4. Year of sanction : F. No. 8 (4)/82 KVK dt. 1985
(Reference of Sanction Order)
5. Date of Establishment : 21.02.1985

6. Deputy Commissioner, Deoghar

Address	Telephone		E mail
	Office	FAX	
Deputy Commissioner, Deoghar- 814112 (Jharkhand)	06432-232680	06432-232967	dcdeoghar@gmail.com

7. Mandate and functions of KVK/TTC

INTRODUCTION

Krishi Vigyan Kendra, Sujani, Deoghar was established in the year 1985 which is situated 15 kms away from Deoghar District Head Quarter and 7 Kms away from Jasidih Railway Station on Paglababa - Koridih Road.

CONCEPT

The Krishi Vigyan Kendra is a grass – root level institution designed and devoted to impart need based skill – oriented short and long – term vocational training courses to the farmers/farm women. The concepts of the Krishi Vigyan Kendra are as follows:

1. The Kendra will impart learning through work experience and hence will be concerned with technical literacy, the acquisition of which does not necessarily require as a precondition for the ability to read and write.
2. The Kendra will impart training to those extension workers who are already employed or to practicing farmers. In other words the Kendra will cater to the needs of those who are already employed or those who wish to be self employed.
3. There will be no uniform syllabus for a Kendra. The syllabus and programme of each Kendra will be tailored according to the felt needs, natural resources and potential for agricultural growth in that particular area.

MANDATE

The Krishi Vigyan Kendra is an innovative Transfer of Technology Projects of the Indian Council of Agricultural Research which has been launched with the aim of reducing the time lag between the generation of technologies and their transfer to the farmers for increasing the productivity in agriculture and allied sectors. In order to achieve this aim KVK has following four mandates:-

1. Conducting “On farm testing” for identifying technologies in terms of location specific sustainable land use systems.
2. Organize training to update the extension personnel with emerging advances in agricultural research on regular basis.
3. Organize short and long term vocational training courses in agriculture and allied vocations for the farmers and rural youths with emphasis on “learning by doing” for higher production on farms and generating self-employment.
4. Organize front line demonstration on various crops to generate production data and feed back information.

THRUST AREA IDENTIFIED

After PRA group discussion, Bench mark survey and consultation with line departments thrust area are identify as follow:

- Low productivity levels of field crops require to be enhanced for more food availability to the resource – poor farmers.
- Subsidiary income generating average will strengthen farmer's economy.
- Creation of water resources will increase cropping intensity, besides establishing crop productivity and income by raising high value crops/ vegetables

ACTION POINTS

- Low productivity of field crops can be increased through Training, Demonstration and On farm trial.
- Subsidiary income can be increased through Training and FLD on vegetables crops, Back yard poultry, up gradation of local breed and Mushroom cultivation.
- Creation of water resources can be done through collaboration with District Departments particularly on Watershed.

According to thrust area and action points after drawing problem cause diagram the Training Programme, Front Line Demonstration on oilseed and pulses. FLD other than oilseed and pulses and On farm trials were indentified and the Action Plan is prepared according



Finalization of Annual Action plan (2018-19) in the SAC meeting under the Chairmanship of D C, Deoghar

Training Programme for the year (2018-19)

“ON” CAMPUS

Category	No. of courses	Others			SC			ST			G. Total
		M	F	T	M	F	T	M	F	T	
PF	65	510	179	689	285	174	459	256	202	458	1606
RY	20	131	55	186	83	61	144	105	76	181	511
EF	11	80	20	100	90	15	105	84	12	96	296

“OFF” CAMPUS

Category	No. of courses	Others			SC			ST			G. Total
		M	F	T	M	F	T	M	F	T	
PF	52	497	157	654	304	123	427	227	162	389	1470
RY	4	48	9	57	18	15	33	15	19	34	124
EF	2	30	5	35	5	3	8	16	11	27	70

Details of Training Programme (2018-19)

Discipline/ Qrt/ Month	Thematic area	Course Title	No. of course	Dura tion/ Days	Total No. of trainee days	Venue On/ Off	Others			SC			ST			Grand total
							M	W	T	M	W	T	M	W	T	
A Farmers and Farm Women																
I. CROP PRODUCTION																
IST QUARTER																
April 2018	Production of organic inputs	Preparation of vermicompost	1	5	150	OFF	9	5	14	9	5	14	1	1	2	30
May 2018	integrated Crop Managem ent	Crop Management under draught condition	1	2	50	OFF	10	8	18	5	2	7	-	-	0	25
June 2018	Seed production	a. Seed rate & seed treatment. b. Nursery seed preparation for raising seedlings of transplanted paddy for seed multiplication	1	3	78	OFF	12	5	17	5	2	7	1	1	2	26
June 2018	Nursery manage ment	Seed treatment and Nursery bed preparation for raising seedlings of transplanting paddy	1	3	84	ON	13	6	19	3	2	5	2	2	4	28
June 2018	Integrated crop manage ment	Variety, seed rate seed treatment & sowing of groundnut	1	2	50	ON	-	-	0	10	9	19	4	2	4	25
June 2018		Variety, seed rate, seed treatment and nursery bed preparation for raising of transplanting paddy under technique SRI,	1	3	75	ON	5	1	6	6	2	8	6	5	11	25
			6		487		49	25	74	38	22	60	12	10	22	156

IIND QUARTER																
July 2018	Integrated Crop management	Transplanting of paddy seedlings at proper spacing and placement of appropriate dose of manure and fertilizer for SRI technique	1	5	125	ON	8	2	10	10	2	12	2	1	3	25
July 2018	Weed management	Weed management in paddy.	1	1	25	OFF	8	3	11	5	3	8	5	1	6	25
		Weed management in paddy under SRI technique	1	1	27	OFF	10	6	16	4	2	6	2	3	5	27
July 2018	Integrated pest management	Control of stem borer in maize by Pheromone trap (IPM)	1	2	58	OFF	7	5	12	5	3	8	5	4	9	29
August 2018	Disease & pest management	Control of pod borer in blackgram and green gram by spraying of insecticide	1	2	56	OFF	15	4	19	4	3	7	2	-	2	28
August 2018	Integrated crop management	Seed treatment & sowing of Niger in rows	1	2	54	ON	15	5	20	1	2	3	3	1	4	27
Sept. 2018		Application of Recommended fertilizer as basal dose in toria and Rai and sowing in rows	1	2	50	ON	10	2	12	3	2	5	5	3	8	25
			6		395		73	27	100	32	17	49	24	13	37	186
IIRD QUARTER																
Oct. 2018	Integrated crop management	Inoculation of gram with Rhizobium culture required for gram seed	1	3	75	ON	8	2	10	5	2	7	5	3	8	25
Oct 2018	Seed Production	Variety, seed rate, seed treatment fertilizer dose and method of placement in mustard, & wheat under seed multiplication	1	2	52	ON	9	2	11	10	5	15	-	-	0	26
Nov. 2018		Application of recommended fertilizer dose	1	3	78	ON	10	1	11	5	3	8	7	-	7	26

		in wheat and sowing in rows														
Dec. 2018	Integrated pest management	Control of aphids in toria and rai by spraying bio pesticide	1	3	84	OFF	8	4	12	5	3	8	5	3	8	28
			4		289		35	6	41	25	11	36	15	6	21	98
IVTH QUARTER																
Jan 2019	Integrated pest management	Control of gram pod borer.	1	2	54	OFF	7	3	10	5	3	8	6	3	9	27
Feb. 2019	Crop diversification	Variety, seed rate, seed treatment, fertilizer dose of cotton & sowing in rows	1	2	54	OFF	8	3	11	7	2	9	5	2	7	27
Mar. 2019	Production of organic inputs	Preparation of blue green algae	1	3	58	ON	10	5	15	5	2	7	5	2	7	29
			4		166		25	11	36	17	7	24	16	7	23	83
Discipline/ Qrt/ Month	Thematic area	Course Title	No. of course	Duration/ Days	Total No. of trainee days	Venue On/ Off	Others			SC			ST			Grand total
							M	W	T	M	W	T	M	W	T	
II. HORTICULTURE																
IST QUARTER																
April 2018	Layout & management of orchard	Layout for establishing multi tier orchard including mango guava & papaya	1	4	104	OFF	6	4	10	4	2	6	7	3	10	26
May 2018	Vegetable crops production of low volume and high volume crops	Control of leaf curl disease in sweet pepper and chilli for increasing the production	1	1	26	ON	8	0	8	2	5	7	9	2	11	26
			1	1	30	OFF	10	5	15	4	2	6	5	4	9	30
May 2018	Nursery raising	Nursery bed preparation for raising seedlings of rainy season tomato	1	3	75	ON	6	2	8	5	2	7	7	3	9	25
			1	1	30	OFF	5	5	10	5	5	10	5	5	10	30
May	Layout &	Layout for establishing	1	1	25	OFF	10	2	12	4	2	6	4	3	7	25

2018	management of orchard	mango orchard with high density plantation														
May 2018	Micro irrigation system of orchard	Drip irrigation system in papaya orchard	1	1	25	OFF	6	2	8	5	2	7	7	3	10	25
June 2018	Off season vegetables	Application of Boren (Borax or sodium borate) and Molybdenum (Sodium molydate) in summer cauliflower	1	3	90	OFF	10	5	15	3	2	5	5	5	10	30
June 2018	Cultivation of fruits	Preparation of pits, planting and protection of mango plants in initial stage of growth	1	2	50	OFF	8	2	10	3	2	5	5	5	10	25
			1	1	26	ON	8	3	11	5	2	7	6	2	8	26
			1	1	28	ON	8	2	10	7	2	9	5	4	9	28
			1	1	25	ON	9	2	11	5	2	7	4	3	7	25
			12		428		94	34	128	52	30	82	66	40	106	316
IIND QUARTER																
			1	1	25	ON	6	3	9	5	4	9	5	2	7	25
July 2018	Plant protection in vegetables	Control of shoot & fruit borer in brinjal	1	4	104	ON	8	3	11	3	2	5	8	2	10	26
			1	1	25	ON	5	2	7	6	2	8	7	3	10	25
July 2018	Fruit training & pruning	Periodic removal of the dead and disease branches through pruning in mango	1	1	25	OFF	10	2	12	3	2	5	4	4	8	25
July 2018	Management of young plants orchards	Intercropping with vegetables in newly established orchard	1	1	26	OFF	8	2	10	3	2	5	8	3	11	26
July 2018	Plant propagation techniques	Epicotyl grafting in mango	1	1	25	OFF	7	3	10	5	3	8	5	2	7	25
			1	1	25	ON	8	2	10	5	2	7	6	2	8	25
			1	1	25	ON	8	2	10	5	3	8	4	3	7	25
Aug 2018	Export potential fruits	Remedial measures to overcome alternate / biennial bearing problem	1	1	25	ON	6	2	8	5	4	9	5	3	8	25

		in mango														
Aug 2018	Plant propagation techniques	Air layering in guava, litchi & citrus	1	3	75	ON	5	1	6	7	2	9	8	2	10	25
Sept. 2018	Grading and standardization	Stages of maturity in tomato for harvesting depending upon purpose for use	1	1	25	OFF	7	2	9	8	2	10	4	2	6	25
		Grading of tomato to fetch high price in town / city market	1	1	26	ON	9	1	10	5	2	7	7	2	9	26
		Grading of brinjal to fetch high price in town / city market	1	1	25	OFF	6	3	9	5	4	9	5	2	7	25
Sept. 2018	Plant protection in vegetables	Control of wilt disease in tomato	1	3	52	ON	8	3	11	3	2	5	8	2	10	26
			1	1	25	OFF	7	3	10	5	3	8	5	2	7	25
				16		409		87	25	112	60	30	90	71	30	101
IIIIRD QUARTER																
Oct. 2018	Exotic vegetables	Transplanting of broccoli seedlings with balanced doses of fertilizers at proper spacing	1	1	14	ON	5	2	7	6	2	8	8	5	13	28
		Harvesting of central head in broccoli at correct stage for marketing	1	1	25	OFF	8	5	13	4	2	6	5	2	7	26
Oct. 2018	Management of young plants / orchard	Application of manures and fertilizers in non bearing young mango plants	1	1	50	OFF	16	4	20	13	2	15	13	2	15	50
Oct. 2018	Plant propagation techniques	Veneer grafting in mango	1	3	42	ON	2	2	4	4	3	7	9	3	12	23
Nov. 2018	Plant protection in vegetables	Control of early and late blight disease in potato	1	3	25	OFF	8	2	10	3	2	5	5	5	10	25
Dec.	Plant protection	Control of fusarium wilt	1	2	50	OFF	10	2	12	4	2	6	4	3	7	25

2018	in vegetables	disease in pea															
			6		206		49	17	66	34	13	47	44	20	64	177	
IVTH QUARTER																	
Jan. 2019	Nursery raising	Raising of seedlings of (bottle gourd, bittergourd, cucumber and watermelon in poly tube for early transplanting.	1	2	34	ON	6	2	8	6	3	9	7	3	10	27	
			1	1	30	OFF	10	2	12	6	2	8	5	5	10	30	
Feb. 2019	Rejuvenation of old orchard	Rejuvenation of old mango orchards	1	1	25	OFF	11	2	13	3	3	6	4	2	6	25	
Feb. 2019	Vegetables crops production of low volume and high volume crops	Transplanting of sweet pepper (Capsicum) seedlings at proper spacing	1	2	30	ON	5	3	8	6	4	10	7	4	11	29	
Mar. 2019	Fruit training & Pruning	Training of young mango plants to provide a good frame work	1	2	50	OFF	8	2	10	4	2	6	4	3	7	23	
			5		169		40	11	51	25	14	39	27	17	44	134	
Discipline/ Qrt/ Month	Thematic area	Course Title	No. of course	Duration/ Days	Total No. of trainee days	Venue On/ Off	Others			SC			ST			Grand total	
							M	W	T	M	W	T	M	W	T		
III. PLANT PROTECTION																	
IST QUARTER																	
April 2018	Integrated pest management	IPM of Kharif pulses crop	1	5	65	OFF	9	4	13	5	2	7	4	3	7	27	
May 2018	Integrated Disease Management	IDM of Kharif pulses & Paddy crop	1	2	28	OFF	8	2	10	9	5	14	5	1	6	30	
June 2018	Bio control of pests and diseases	Bio – control of pests and Diseases of Kharif pulses and paddy crop	1	3	30	OFF	8	2	10	7	3	10	6	1	7	27	

		Bio – control of pests and Diseases of Kharif pulses & paddy crop	1	3	57	ON	8	2	10	7	5	12	5	2	7	29
	Production of bio – control agents and bio – pesticides	Production of <i>Trichoderma</i> sp.	1	2	20	ON	6	4	10	8	5	13	4	1	5	28
		Production of <i>Trichoderma</i> sp.	1	3	30	ON	9	2	11	6	3	9	6	5	11	31
			6		230		48	16	64	42	23	65	30	13	43	172
IIND QUARTER																
July 2018	Bio control of pests and diseases	Bio – control of pests and Diseases of Kharif pulses & paddy crop	1	5	110	ON	8	2	10	10	2	12	-	-	0	22
		Bio – control of pests and Diseases of Kharif pulses & paddy crop	1	1	14	OFF	6	4	10	5	1	6	6	2	8	24
		Bio – control of pests and Diseases of Kharif pulses & paddy crop	1	1	12	OFF	10	2	12	9	2	11	3	-	3	26
	Integrated pest management	Control of stem borer in maize by Pheromone trap (IPM)	1	2	32	OFF	10	2	12	7	2	9	3	1	4	25
August 2018	Disease & pest management	Control of pod borer in blackgram and green gram by spraying of insecticide	1	2	44	OFF	15	3	18	6	2	8	3	2	5	31
	Integrated crop management	Seed treatment & sowing of Niger in rows	1	2	60	ON	15	5	20	3	2	5	3	2	5	30
Sept. 2018	Integrated Disease Management	IDM of Kharif pulses & Paddy crop	1	2	50	ON	10	2	12	3	2	5	5	3	8	25
			7		322		74	20	94	43	13	56	23	10	33	183
IIRD QUARTER																
Oct. 2018	Mushroom production	Spawn preparation & Mushroom production	1	3	51	ON	7	2	9	6	3	9	5	3	8	26
Oct 2018			2	2	24	ON	8	4	12	10	2	12	5	-	5	29
Nov.	IDM	Seed treatment of gram	1	3	42	ON	10	-	10	8	3	11	6	1	7	28

2018		against wilt disease														
Dec. 2018	Integrated pest management	Control of aphids in toria and rai by spraying bio pesticide	1	3	84	OFF	8	4	12	5	3	8	5	3	8	28
			5		201		33	10	43	29	11	40	21	7	28	111
IVTH QUARTER																
Jan 2019	Integrated pest management	Control of gram pod borer.	1	2	40	OFF	5	3	8	7	3	10	5	3	8	26
Feb. 2019	IDM	Control of Alternaria blight of mustard	1	2	30	OFF	8	3	11	9	6	15	6	2	8	34
Mar. 2019	IDM	Seed treatment of summer moong	1	3	45	ON	9	2	11	4	2	6	7	2	9	26
			3		115		22	8	30	20	11	31	18	7	25	86

Discipline/ Qrt/ Month	Thematic area	Course Title	No. of course	Duration/ Days	Total No. of trainee days	Venue On/ Off	Others			SC			ST			Grand total
							M	W	T	M	W	T	M	W	T	
IV.LIVESTOCK PRODUCTION & MANAGEMENT																
IST QUARTER																
April 2018	Goat management	Introduction of goat rearing for increasing income of resource poor farmers and farm women	1	2	30	ON	6	2	8	6	2	8	6	4	10	26
April 2018	Dairy management	Heat detection in Buffalo and correct time for A.I	1	1	20	OFF	8	2	10	9	2	11	6	2	8	29
May 2018	Dairy management	Care of lactating animals for maximizing milk production	1	1	20	OFF	7	3	10	6	2	8	8	2	10	28
May 2018	Feed Management	Feed management of poultry birds during summer	1	4	60	ON	9	2	11	7	2	9	9	2	11	31

June 2018	Goat Management	Sign of oestrus and correct time of breeding	1	2	30	ON	10	2	12	7	2	9	7	1	8	29
June 2018	Disease Management	control of endo parasite in freshly calved cows to increase their milk yield	1	2	30	OFF	9	3	12	8	3	11	5	-	5	28
June 2018	Piggery management	Effect of temperature on feed intake and daily live weight gain of piglets	1	1	25	OFF	7	-	7	8	2	10	10	5	15	32
			7		215		56	14	70	51	15	66	51	16	67	203
IIND QUARTER																
July 2018	Dairy Management	Care of cow at and after calving	1	2	40	ON	6	4	10	5	2	7	6	2	8	25
July 2018	Poultry Management	Care and management of layers in backyard rearing	1	1	20	OFF	8	2	10	7	2	9	8	2	10	29
August 2018	Dairy Management	Care and management of heifers	1	3	60	ON	7	3	10	5	2	7	6	2	8	25
August 2018	Poultry management	Preparation of brooder house	1	2	40	OFF	9	3	12	7	2	9	6	4	10	31
August 2018	Goat management	Care and management of cross bred kids	1	1	20	OFF	10	2	12	5	2	7	5	3	8	27
Sep. 2018	Poultry Management	Cleaning and disinfection of broiler farm before the arrival of chicks	1	2	40	ON	8	2	10	6	2	8	7	2	9	27
Sept . 2018	Goat Management	Flashing of female goat for improving the number of kids	1	2	30	OFF	9	2	11	7	2	9	5	3	8	28
Sept. 2018	Piggery management	Care and management of piglets after farrowing	1	1	25	OFF	-	-	0	10	5	15	5	5	10	25
			8		275		57	18	75	52	19	71	48	23	71	217
IIIRD QUARTER																
Oct. 2018	Dairy management	Preparation of cows for milking and methods of	1	3	60	ON	7	3	10	6	2	8	7	2	9	27

		clean milk production														
Oct. 2018	Poultry management	Introduction of improved poultry breed for higher egg production	1	2	40	OFF	5	3	8	4	2	6	7	5	12	26
Oct. 2018	Feed management	Cultivation of berseem and subabul for green fodder	1	1	20	OFF	17	3	20	9	2	11	-	-	0	31
Nov. 2018	Dairy management	Care and management of dry cows	1	2	40	ON	7	3	10	6	2	8	5	3	8	26
Nov. 2018	- do -	Detection of heat in cows and correct time for artificial insemination	1	1	20	OFF	8	2	10	7	2	9	9	2	11	30
Nov. 2018	Disease Management	Control of encoparasites in freshly calved cows and buffaloes to increase their milk yield	1	1	15	OFF	10	2	12	6	2	8	5	2	7	27
Dec. 2018	Piggery management	Care and management of piglets from birth to weaning	1	2	40	ON	8	2	10	7	3	10	7	3	10	30
Dec. 2018	Disease management	Control of ectoparasites in goat	1	3	90	ON	7	3	10	8	2	10	8	2	10	30
			8		325		69	21	90	53	17	70	48	19	67	227
IVTH QUARTER																
Jan 2019	Piggery management	Optimum time for castration and castration of piglets	1	2	30	ON	10	1	12	5	1	6	8	-	8	29
Jan 2019	Feed management	Balanced feeding based on locally available materials to lactating animals	1	2	60	ON	9	5	14	3	-	3	8	2	10	27
Feb. 2019	Dairy management	Care and management of milking cows	1	2	40	ON	8	2	10	7	2	9	6	4	10	29
Mar. 2019	Disease management	Iron deficiency manage- ment during	1	3	60	ON	6	2	8	6	3	9	8	4	12	29

		pre and post natal stages														
			4		190		24	10	34	21	5	26	30	10	40	100
Discipline/ Qrt/ Month	Thematic area	Course Title	No. of course	Duration/ Days	Total No. of trainee days	Venue On/ Off	Others			SC			ST			Grand total
							M	W	T	M	W	T	M	W	T	
V. PLANT PROTECTION																
IVTH QUARTER																
							M	W	T	M	W	T	M	W	T	
Dec. 2018	Oyster mushroom production	Sterilization straw by chemical method and spawning in sterilized straw	2	3	60	OFF	6	4	10	5	2	7	6	2	8	25
Jan. 2019	Oyster mushroom cultivation	Sterilization of straw by hot water method	1	3	30	ON	8	2	10	7	2	9	8	2	10	29
Jan 2019	Oyster mushroom cultivation	Sterilization by chemical method	1	3	30	ON	7	3	10	5	2	7	6	2	8	25
Jan 2019	Oyster mushroom production	Right time for opening mushroom bags, picking, packing and drying	1	3	30	OFF	9	3	12	7	2	9	6	4	10	31
Feb. 2019	Oyster mushroom cultivation	Right time for opening mushroom bags, picking, packing and drying	1	3	30	ON	10	2	12	5	2	7	5	3	8	27
Feb. 2019	Oyster mushroom cultivation	Sterilization of straw by chemical method	1	3	30	ON	8	2	10	6	2	8	7	2	9	27
Feb. 2019	Oyster mushroom						9	2	11	7	2	9	5	3	8	28

	production															
March 2019	Oyster mushroom cultivation						7	-	7	10	5	15	5	5	10	32
			7	18	210		71	21	92	57	21	78	54	25	79	249
Discipline/ Qrt/ Month	Thematic area	Course Title	No. of course	Duration/ Days	Total No. of trainee days	Venue On/ Off	Others			SC			ST			Grand total
							M	W	T	M	W	T	M	W	T	
VI. SOIL SCIENCE																
I QUARTER																
April 2018	Testing of Soil	Soil sample collection labeling & packing	1	2	48	OFF	8	3	11	5	2	7	8	2	10	28
May 2018	Integrated Nutrient Management	INM techniques for paddy production	1	2	36	ON	9	5	14	3	-	3	8	2	10	27
Jun 2018	Integrated Nutrient Management	INM techniques for pulses and oil seeds	1	3	66	ON	8	2	10	7	2	9	6	4	10	29
			3	8	150		18	8	26	15	2	17	22	6	28	71
II QUARTER																
July 2018	Bio-control	Benefit and use of <i>Rhizobium</i> culture in pulses crop	1	3	60	ON	16	3	19	5	-	5	2	-	2	26
Aug. 2018	Production and use of organic inputs	Organic farming	1	1	35	OFF	8	2	10	3	2	5	5	15	20	35
			2	4	95		24	2	29	8	2	10	7	15	22	61
III QUARTER																
Oct. 2018	Integrated Nutrient management	Sulphur and Phosphate Management in oilseeds crop	2	3	60	ON	8	3	11	5	2	7	8	2	10	28
Nov. 2018	Integrated Nutrient management	INM for Rabi pulses and oilseeds	1	2	50	ON	9	5	14	3	-	3	8	2	10	27
Dec.		INM techniques for wheat	1	3	60	ON	8	2	10	7	2	9	6	4	10	29

2018																
			4	8	170		25	10	35	15	4	19	22	8	30	84
IV QUARTER																
Jan. 2019	Micronutrient Deficiency symptoms in crop	Symptoms & Management of Boron & Molybdenum in Cabbage and Cauliflower	1	2	60	ON	7	3	10	5	2	7	6	2	8	25
Feb. 2019		Symptoms & Management of Boron & Molybdenum in Cabbage and Cauliflower	1	2	40	ON	9	3	12	3	-	3	8	2	10	25
Mar. 2019	Testing of Soil	Soil sample collection labeling & packing	1	2	48	OFF	8	2	10	7	2	9	6	2	8	27
			3	6	148		24	8	32	15	4	19	20	6	26	77

VI. EXTENSION EDUCATION

I QUARTER

April 2018	Group dynamics	Group dynamics	1	2	48	OFF	8	3	11	5	2	7	8	2	10	28
May 2018	Mobilization of social capital	Mobilization of social capital	1	2	36	ON	9	5	14	3	-	3	8	2	10	27
Jun 2018	Leadership development	Leadership development	1	3	66	ON	8	2	10	7	2	9	6	4	10	29

			3	8	150		18	8	26	15	2	17	22	6	28	71
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II QUARTER

July 2018	Formation and Management of SHGs	Formation and Management of SHGs	1	5	110	ON	6	3	9	8	2	10	8	2	10	29
August 2018		Formation and Management of SHGs	1	5	110	ON	6	3	9	3	-	3	8	2	10	22
Sept. 2018	Entrepreneurial Development of farmers	Entrepreneurial Development of farmers	1	2	50	ON	8	2	10	7	2	9	6	2	8	27
			3	12	270		20	8	28	18	4	22	22	6	28	78

III QUARTER																
Oct. 2018	Participatory Rural Appraisal for Agricultural Plan	Participatory Rural Appraisal for Agricultural Plan	1	5	100	OFF	6	3	9	8	2	10	8	2	10	29
Nov. 2018			1	5	125	OFF	6	3	9	3	-	3	8	2	10	22
Dec. 2018	Integrated Farming Sysytem	Integrated Farming Sysytem	1	3	60	ON	8	2	10	7	2	9	6	2	8	27
			3	13	285		20	8	28	18	4	22	22	6	28	78
IV QUARTER																
Jan. 2019	Leadership Development	Leadership Development	1	2	34	ON	8	3	11	5	2	7	8	2	10	28
Feb. 2019	Importance of farm school	Importance of farm school	1	1	25	OFF	9	5	14	3	-	3	8	2	10	27
Mar. 2019	Formation & importance of kisan club	Formation & importance of kisan club	1	2	50	OFF	8	2	10	7	2	9	6	4	10	29
			5		169		18	8	26	15	2	17	22	6	28	71

Discipline/ Qrt/ Month	Thematic area	Course Title	No. of course	Duration/ Days	Total No. of trainee days	Venue On/ Off	Others			SC			ST			Grand total
							M	W	T	M	W	T	M	W	T	
B. RURAL YOUTH																
I. CROP PRODUCTION																
June 2018	Seed Production	a. Seed rate & Seed treatment. b. Nursery seed preparation for raising seedlings of transplanted paddy for seed multiplication	1	2	40	ON	8	3	11	5	2	7	8	2	10	28
Oct. 2018	Seed Production	Variety, seed rate, seed treatment fertilizer does and method of placement in mustard, & wheat under seed multiplication	1	3	78	ON	10	-	10	5	3	8	5	3	8	26
			2		144		18	3	21	10	5	15	13	5	18	67
II. HORTICULTURE																
June 2018	Cultivation of fruits	Preparation of pits, planting density & planting of Papaya	1	2	50	ON	8	3	11	5	2	7	8	2	10	28
July 2018	Plant propagation technique	Plant propagation method	1	10	200	ON	8	-	8	5	3	8	6	3	8	25
			2		250		18	3	21	10	5	15	13	5	18	73

III. PLANT PROTECTION																
June 2018	Mushroom production	Spawn preparation & Mushroom production	1	2	50	ON	8	3	11	5	2	7	8	2	10	28
July 2018	Bee-keeping	Proper technique of Bee-keeping	1	10	200	ON	8	-	8	5	3	8	6	3	8	25
			2		250		18	3	21	10	5	15	13	5	18	73

IV. LIVESTOCK PRODUCTION & MANAGEMENT																
June 2018	Goat rearing	Care and management of goat for meat	1	15	225	ON	6	3	9	8	2	10	8	2	10	29
June 2018	Piggery	Care and management of swine	1	5	75	ON	6	3	9	3	-	3	8	2	10	22
Oct. 2018	Poultry production	Care and management of broilers under deep litter system	1	5	75	ON	8	2	10	7	2	9	6	2	8	27
Jan. 2019	Dairying	Care and management of dairy animal	1	5	75	ON	6	2	8	7	2	9	6	2	8	25
			4		450	ON	26	10	36	25	6	31	28	8	36	103

V. HOME SCIENCE																
Dec 2018	Income generation Teady bear	Making of Teady bear	1	6	90	ON	6	3	9	8	2	10	8	2	10	29
Jan. 2019	Mushroom training	Straw sterilisation, spawn spreading, packeting	1	5	150	ON	6	3	9	3	-	3	8	2	10	22
			2		240		12	6	18	11	2	13	16	4	20	51

VI. SOIL SCIENCE																
April 2018	Testing of soil	Soil Sample collection, labeling & packing	1	2	26	ON	6	4	10	5	2	7	6	2	8	25

Jun 2018	Integrated Nutrient Management	INM techniques for pulses and oil seeds	1	3	66	ON	8	2	10	7	2	9	8	2	10	29
Aug. 2018	Production and use of organic	Organic farming	1	1	35	OFF	7	3	10	5	2	7	6	2	8	25
Oct. 2018	Integrated Nutrient management	Sulphur and Phosphate Management in oilseeds crop	2	3	60	ON	9	3	12	7	2	9	6	4	10	31
Nov. 2018	Integrated Nutrient management	INM for Rabi pulses and oilseeds	1	2	50	OFF	10	2	12	5	2	7	5	3	8	27
Dec. 2018	Integrated Nutrient management	INM techniques for wheat	1	3	60	OFF	8	2	10	6	2	8	7	2	9	27
Jan. 2019	Micronutrient Deficiency symptoms in crop	Symptoms & Management of Boron & Molybdenum in Cabbage and Cauliflower	1	2	60	ON	9	2	11	7	2	9	5	3	8	28
Feb. 2019	Micronutrient Deficiency symptoms in crop	Symptoms & Management of Boron & Molybdenum in Cabbage and Cauliflower	1	2	40	ON	7	-	7	10	5	15	5	5	10	32
Mar. 2019	Testing of Soil	Soil sample collection labeling & packing	1	2	48	OFF	7	3	10	5	2	7	6	2	8	25
			10	20	335		71	21	92	57	21	78	54	25	79	249
VII. EXTENSION EDUCATION																
Dec 2018	Formation and management of SHGs	Formation and management of SHGs	1	6	90	ON	6	3	9	8	2	10	8	2	10	29
Jan. 2019	Entrepreneurial development of farmers youth	Entrepreneurial development of farmers youth	1	5	150	ON	9	3	12	3	-	3	8	2	10	25
			2		240		15	6	21	11	2	13	16	4	20	54

Discipline/ Qrt/ Month	Thematic area	Course Title	No. of course	Duration/ Days	Total No. of trainee days	Venue On/ Off	Others			SC			ST			Grand total
							M	W	T	M	W	T	M	W	T	
Extension Functioneries																
I. CROP PRODUCTION																
Sep. 2018	Use of biofertiliser	Different bio fertilizer	1	3	33	ON	6	4	10	5	2	7	6	2	8	25
II. PLANT PROTECTION																
Oct. 2018	INM for different crops	INM for different crops	1	3	33	ON	8	2	10	7	2	9	8	2	10	29
II. HORTICULTURE																
Nov. 2018	Integrated crop management	Bio control agents in vegetable farming	1	2	90	OFF	7	3	10	5	2	7	6	2	8	25
Dec. 2018	Integrated crop management	Bio control agents in vegetable farming	1	1	32	OFF	9	3	12	7	2	9	6	4	10	31
Jan. 2019	Mali Training	Fruits and Vegetable plants cutting, Buding Pruning	1	15	150	ON	10	2	12	5	2	7	5	3	8	27
		Cultivation of vegetables in Poly House	1	2	20	ON	8	2	10	6	2	8	7	2	9	27
			2		30		48	16	64	35	12	47	38	15	53	164
III. LIVESTOCK PRODUCTION & MANAGEMENT																
Nov. 2018	Vocations for increasing income of farmers and farm women		1	3	45	ON	6	3	9	8	2	10	8	2	10	29
			1	1	15	ON	9	3	12	3	-	3	8	2	10	25
			2		60	-	15	6	21	11	2	13	16	4	20	54
IV. HOME SCIENCE																
Jan 2019	Mushroom Production	Sterilization of straw by hot water method, spawning on sterilized straw, opening of spawned bags at right time harvesting of mushroom cleaning, packing drying	1	2	30	ON	6	4	10	5	2	7	6	2	8	25
V. SOIL SCIENCE																
Jun 2018	Integrated Nutrient Management	INM techniques for pulses and oil seeds	1	3	66	ON	8	2	10	7	2	9	8	2	10	29
Dec. 2018	Testing of Soil	Soil sample collection labeling & packing	1	2	40	ON	7	3	10	5	2	7	6	2	8	25

VI. EXTENSION EDUCATION

Jun 2018	PRAfor agriculture	PRAfor agriculture	1	3	81	ON	9	3	12	7	2	9	6	4	10	31
Dec. 2018	Formation & Management of SHGs	Formation & Management of SHGs	1	2	50	ON	10	2	12	5	2	7	5	3	8	27
			2	5	106		40	14	54	29	10	39	31	13	44	137

**FRONT LINE DEMONSTRATION ON OILSEED CROP
(KHARIF 2018 & RABI SUMMER 2018-19)**

A GROUNDNUT

- 1 Season : Kharif 2018
- 2 Zone : Central & North Eastern Plateau
Region
- 3 State : Jharkhand
- 4 District : DEOGHAR
- 5 Crop : Groundnut
- 6 Previous Crop : Fallow (Summer 2017)
- 7 Cropping system : Groundnut - Rai - Fallow
Groundnut - Wheat - Fallow
Groundnut-Potato-Summer vegetable
- 8 Thematic area : Farming situation : Rainfed
Land type : Upland
Soiltype : Sandyloam
- 9 Proposed area of demonstration : 30.0 ha
- 10 Crop variety : TPG-41
- 11 Sowing time : 15th June 2018 to 15th July 2018
- 12 Proposed block of demonstration : Mohanpur
- 13 Name of the village to be adopted : Nawadih
- 14 No. of demonstration : 75
- 15 No. of cluster : 2
- 16 No. of training : 5
- 17 No. of follow up : 6
- 18 No of field day : 2
- 19 No. of farmers meeting : 4

S.N	Component (Item)	Cost (Rs.)	Farmers Share
1	Treated seed	120000.00	Field Preperation
2	Fertilizer NPK (kg/ha) 25:50:20	-	Weeding
3	Biofertilizer	-	Harvesting
4	Liming	-	Thershing
5	Need based plant protection	-	
		120000.00	

B. TORIA

1	Season	:	Rabi 2018-19
2	Zone	:	Central & North Eastern Plateau Region
3	State	:	Jharkhand
4	District	:	Deoghar
5	Crop	:	Toria
6	Previous Crop	:	Upland paddy, blackgram (Kharif 2017)
7	Cropping system	:	Upland paddy-Toria-Fallow Blackgram-Toria-Fallow
8	Thematic area : Farming situation	:	Rainfed
	: Land type	:	Upland
	: Soiltype	:	Red & Sandyloam
9	Proposed area of demonstration	:	30.0 ha.
10	Crop variety	:	NDR-8501
11	Sowing time	:	Sept. 2018
12	Proposed block of demonstration	:	Devipur
13	Name of the village to be adopted	:	Tilljori
14	No. of demonstration	:	130
15	No. of cluster	:	2
16	No. of training	:	2
17	No. of follow up	:	6
18	No of field day	:	2
19	No. of farmers meeting	:	4

S.N	Component (Item)	Cost (Rs.)	Farmers Share
1	Treated seed	60000.00	Field Preperation
2	Fertilizer NPK (kg/ha) 40:20:20(15 ha)		Weeding
3	Biofertilizer		Harvesting
4	Organic fertilizer		Thershing
5	Need based plant protection chemicals		
		60000.00	

C. SESAMUM

1	Season	:	Rabi Summer 2018-19
2	Zone	:	Central & North Eastern Plateau Region
3	State	:	Jharkhand
4	District	:	Deoghar
5	Crop	:	Greengram
6	Previous Crop	:	Fallow (Summer 2017)
7	Cropping system	:	Greengram-Toria/Rai- Fallow Blackgram-Gram- Fallow Greengram- Wheat- Fallow
8	Thematic area : Farming situation	:	Rainfed
	: Land type	:	Upland
	: Soiltype	:	Red soil & Sandyloam
9	Proposed area of demonstration	:	20.0 ha
10	Crop variety	:	G – 1
11	Sowing time	:	15 th Feb. 2019 to 15 th March 2019
12	Proposed block of demonstration	:	Sonaraithari
13	Name of the village to be adopted	:	2
14	No. of demonstration	:	20
15	No. of cluster	:	2
16	No. of training	:	2
17	No. of follow up	:	6
18	No of field day	:	2
19	No. of farmers meeting	:	2

S.N	Component (Item)	Cost (Rs.)	Farmers Share
1	Treated seed	25000.00	Field Preperation
2	Fertilizer NPK (kg/ha) 18:46:20	-	Weeding
3	Biofertilizer- Rhizobium culture	-	Harvesting
4	Lime	-	Thershing
5	Need based plant protection IPM		
	Total cost of demonstration	25000.00	

FRONTLINE DEMONSTRATION ON PULSES CROP (KHARIF 2018 & RABI SUMMER 2018-19)

A. PIGEON PEA

1	Season	:	Kharif 2018
2	Zone	:	Central & North Eastern Plateau Region
3	State	:	Jharkhand
4	District	:	Deoghar
5	Crop	:	Redgram
6	Previous Crop	:	Fallow (Summer 2017)
7	Cropping system	:	Redgram – Fallow
8	Thematic area : Farming situation	:	Rainfed
	: Land type	:	Upland
	: Soiltype	:	Sandyloam
9	Proposed area of demonstration	:	30.0 ha
10	Crop variety	:	NDA-1
11	Sowing time	:	15 th June 2018 to 15 th July 2018
12	Proposed block of demonstration	:	Deoghar, Sonaraithari
13	Name of the village to be adopted	:	Khijuria
14	No. of demonstration	:	80
15	No. of cluster	:	2
16	No. of training	:	2
17	No. of follow up	:	2
18	No of field day	:	2
19	No. of farmers meeting	:	2

S.N	Component (Item)	Cost (Rs.)	Farmers Share
1	Treated seed	10000.00	Field Preperation
2	Fertilizer NPK (kg/ha) 18:46:20 (6 ha)	-	Weeding
3	Organic fertilizer	-	Harvesting
4	Lime	-	Threshing
5	Biofertilizer- Rhizobium culture - Phosphobactrin	-	
6	Need based plant protection (4 ha)	-	
	Total cost of demonstration	10000.00	

B. CHICKPEA (GRAM)

1	Season	:	Rabi 2018-19
2	Zone	:	Central & North Eastern Plateau Region
3	State	:	Jharkhand
4	District	:	Deoghar
5	Crop	:	Chickpea (Gram)
6	Previous Crop	:	Upland Paddy/Urd & Maize
7	Cropping system	:	Upland paddy - Gram - Fallow Urd - Gram - Fallow Maize - Gram - Summer Veg.
8	Thematic area : Farming situation	:	Irrigated
	: Land type	:	Upland
	: Soiltype	:	Sandyloam
9	Proposed area of demonstration	:	30.0 ha
10	Crop variety	:	JAKI-9218
11	Sowing time	:	October 2018
12	Proposed block of demonstration	:	Devipur
13	Name of the village to be adopted	:	Madanpur
14	No. of demonstration	:	80
15	No. of cluster	:	2
16	No. of training	:	2
17	No. of follow up	:	2
18	No of field day	:	2
19	No. of farmers meeting	:	2

S.N	Component (Item)	Cost (Rs.)	Farmers Share
1	Treated seed	225000.00	Field Preperation
2	Fertilizer NPK (kg/ha) 18:46:20	-	Weeding
3	Biofertilizer- Rhizobium culture	-	Harvesting
4	Lime	-	Thershing
5	Need based plant protection IPM		
	Total cost of demonstration	225000.00	

C. GREENGRAM

1	Season	:	Rabi Summer 2018-19
2	Zone	:	Central & North Eastern Plateau Region
3	State	:	Jharkhand
4	District	:	Deoghar
5	Crop	:	Greengram
6	Previous Crop	:	Fallow (Summer 2018)
7	Cropping system	:	Greengram-Toria/Rai- Fallow Blackgram-Gram- Fallow Greengram- Wheat- Fallow
8	Thematic area : Farming situation	:	Rainfed
	: Land type	:	Upland
	: Soiltype	:	Red soil & Sandyloam
9	Proposed area of demonstration	:	20.0 ha
10	Crop variety	:	SML-668
11	Sowing time	:	15 th Feb. 2019 to 15 th March 2019
12	Proposed block of demonstration	:	Deoghar
13	Name of the village to be adopted	:	Chandpur
14	No. of demonstration	:	80
15	No. of cluster	:	2
16	No. of training	:	2
17	No. of follow up	:	6
18	No of field day	:	2
19	No. of farmers meeting	:	2

S.N	Component (Item)	Cost (Rs.)	Farmers Share
1	Treated seed	70000.00	Field Preparation
2	Organic fertilizer	-	Weeding
3	Biofertilizer - Rhizobium culture - Phosphobactrin	-	Harvesting
4	Lime	-	Threshing
5	Need based plant protection		
	Total cost of demonstration	70000.00	

ON FARM TRIAL (KHARIF & RABI 2018-19)

A. CROP/ENTERPRISE- Paddy, Season - Kharif 2018

1. Title of OFT : Performance of Rice under different weed control methods in medium land condition
2. Problem Diagnose : Low yield of rice due to poor organic carbon content & high infestation of weeds.
3. Hypothesis formulated : Improvement in soil condition through manuring.
4. Details of technologies selected for assessment/refinement –
FP - (T₀) Broadcasted Paddy along with manual weeding.
Tech. Opt. 2 - (T₁) Line sowing of paddy + Dhaincha in between rice rows followed by incorporation in soil at 30 DAS with weeder
Tech. Opt. 1 – (T₂) Line sowing of paddy after Broadcasted Dhaincha followed by 2,4 – D @ 0.5 kg/ha at 30 DAS (Brown Manuring).
Tech. Opt. 3 - (T₃) Line sowing of paddy with application of Nominee Gold 100 ml/ha at 20 DAS
5. Source of Technology : BAU, Ranchi
6. Farming situation :
 - (a) Soil type - Sandy loam
 - (b) Land type - Midland
 - (c) Source of Irrigation - Rainfed
7. Experiment as design : RBD
- 8 No. of farmers / Replication : 10
9. Total area : 0.144x10= 1.4
10. Critical inputs required Seed (Vandana) + DAP + SSP + MOP
11. Total cost
12. Parameter :
 - (a) OC, N, P and K status of soil initial and after harvest of crop
 - (b) Yield attributes and yield.
 - (e) Economics

B. CROP/ENTERPRISE – Pulse

1. Title of OFT : Efficacy of bio & chemical insecticides for management of Pigeon pea pod borer (*Helicoverpa armigera*)
2. Problem Diagnose : Low productivity of Pigeon pea due to attack of pod borer.
3. Hypothesis as formulated : Bio – pesticide are very effective to control of pod borer.
4. Intervention Identified :
5. Source of technology : Birsa Agricultural University, Ranchi (Jharkhand)
6. Experiment as design : RBD
7. Critical inputs required :
8. Total cost : 10000.00

9. Treatments -	<u>No. of farmers</u>	<u>Area (ha)</u>
	10	0.96

FP - Pigeon pea alone used with locally available chemical

Tech. Opt. 1 - Spray of quinalphos 25% @ 2 ml/lit – 1st at the time of 50% flowering stage 2nd at the time of pod initiation stage.

Tech. Opt. 2 - Spray of *pseudomonas fluorescense* @ 2 gm/lit – 1st at the time of 50% flowering stage 2nd at the time of pod initiation stage.

11. Observation :

- (a) Date of sowing
- (b) Insect incidence (%)
- (c) Yield & Economics

C. CROP/ENTERPRISE- MUSHROOM

1. Title of OFT : Performance of different cultures for better mushroom production.
2. Problem Diagnose : Low productivity through available local culture.
3. Hypothesis as formulated: Suitable culture
4. Intervention Identified : To evaluate the efficiency of culture of different location.
5. Source of technology : Birsa Agricultural University, Ranchi (Jharkhand)
6. Experiment as design : RBD with Seven Replication
7. Critical inputs required :
8. Total cost : 10000.00
9. Production system : Rainfed rice based production system.

10. Treatments -		<u>No. of farmers</u>	<u>Area (ha)</u>
FP -	Available culture	10	

Tech. Opt. 1- Pleurotus florida (Harp, Palandu, Jharkhand)

Tech. Opt. 2- Pleurotus sajor-caju (Harp, Palandu, Jharkhand)

11. Critical input: culture, Spawn, Chemical and other miscellaneous.

12. Observation :

A) Technical indicator

1. Infestation (Bhinda No.)
2. Production of fruiting body after Baging (days/kg)
3. Acceptability of people.

b) Economical indicator

- Cost of production (Rs / kg)
- Gross of return (Rs / kg)
- NET return (Rs/ Kg)
- B:C Ratio

D. Buck

Thematic area - Feed management.

1. Title of OFT : Comparative efficacy of Dewormer and Probiotics along with Farmer's practice in Bucks.
2. Problem as identified : Poor growth rate of buck
3. Hypotheses as formulated : Deworming and probiotic feeding will improve the growth rate.
4. Intervention identified : Conventional starch, leaves and jackfruit feeding
5. Source of technology : Veterinary College Ranchi, Birsa Agricultural University, Ranchi
6. Experiment as design : RBD
7. Critical inputs required : Dewormer and Probiotic and conventional feeding.
8. Total cost : Rs. 10,000.00

9	Treatment	<u>No. of farmers</u>	<u>No. of bucks</u>
		10	20

FP - Conventional feed like - starch, leaves and jackfruits etc.

Tech. Opt. 1 - FP with Dewormer at every 3 month intervals

Tech. Opt. 2 – FP with Probiotic (@5g/day) for 6 months

Tech. Opt. 3 – FP with Dewormer + Probiotic (@5g/day) for 6 months

10. Observations -

(a). Increase in body weight of buck.

(b). Increase in Haemoglobin level.

E. Poultry

Thematic area - Feed management.

1. Title of OFT : **Comparative efficacy of Azolla with compared to Mineral mixture in Poultry and the eggs.**
2. Problem as identified : Less and small eggs due to poor growth rate of poultry.
3. Hypothesis as formulated : To improve body weight and egg production for better return.
4. Intervention identified : Lack of proper nutrition.
5. Source of technology : Veterinary College Ranchi, Birsa Agricultural University, Ranchi
6. Experiment as design : RBD
7. Critical inputs required : Azolla, mineral mixture and household feed
8. Total cost 10,000.00
9. Treatment

<u>No. of farmers</u>	<u>No. of Poultry</u>
10	20

FP- Household food waste

Tech. Opt. 1 - FP with Azolla @ 200 g/day/poultry for up to 1 month

Tech. Opt. 2 –mineral mixture @ dose rate of 5 g/day/kg body weight.

10. Observation -

- (a). Body weight gain (weekly interval for one months)
- (b). Quantity and weight gain in eggs.
- (c). Egg colour pigmentation for better market rate.

F. CROP/ENTERPRISE- Backyard composting

1. Title of OFT : Assessment of improved backyard composting methods.
2. Problem Diagnose : Low nutrient status of the compost .
3. Hypothesis formulated :Improvement of quality compost through backyard composting methods.
4. Details of technologies selected for assessment/refinement –
 - FP – Dumping of cow dung and household/ field wastes in heaps.
 - Tech. Opt. 1 – Dumping of cow dung and household/ field wastes mixing with DAP @ 500gm/m² after filling every feet of pit of 2m x 1m x 1m size.
 - Tech. Opt. 2 - Dumping of cow dung and household/ field wastes mixing with DAP @ 500gm/m² after filling every feet + PSB, Azatobacter and Trichoderma @ 1 packet each/pit of 2m x 1m x 1m size.
5. Source of Technology : BAU, Ranchi
6. Critical inputs required DAP + Azatobacter +Trichoderma + PSB +Cow dung + household.
7. Parameter : (a) Time taken in composting.
(b) Nutrient status of the compost (pH, N, P, K).

Extension Activities (2018-19)

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field day	11	55	35	90	15	-	15	70	35	105
Kisan Mela	1	200	100	300	25	10	35	225	110	335
Kisan Ghosthi	15	61	25	86	5	6	10	66	30	96
Exhibition	2	112	56	168	15	5	20	127	61	188
Film show	15	100	150	250	-	-	-	100	150	250
Method Demonstrations	2	6	2	8	2	-	2	8	2	10
Farmers Seminar	-	-	-	-	-	-	-	-	-	-
Workshop	-	-	-	-	-	-	-	-	-	-
Group meetings	10	110	39	149	-	-	-	110	39	149
Lectures delivered as resource persons	15	450	50	500	-	-	-	450	50	500
Newspaper coverage	15	-	-	-	-	-	-	-	-	-
Radio talks	5	-	-	-	-	-	-	-	-	-
Tv talks	7	-	-	-	-	-	-	-	-	-
Popular articles	10	-	-	-	-	-	-	-	-	-
Extension Literature	2	-	-	-	-	-	-	-	-	-
Advisory services	15	55	39	94	-	-	-	55	29	94
Scientific visit to farmers field	90	150	50	200	-	-	-	150	50	200
Farmers visit to KVK	51	150	50	200	-	-	-	150	50	200
Diagnostic visits	15	35	15	50	5	-	5	40	15	55
Exposure visits	-	-	-	-	-	-	-	-	-	-
Ex-trainees Sammelan	1	75	25	100	5	-	5	80	25	105
Soil health Camp	50	50	-	50	-	-	-	50	-	50
Animal Health Camp	15	95	15	110	2	-	2	97	15	112
Agri Mobile clinic	-	-	-	-	-	-	-	-	-	-
Soil test campaigns	2	15	5	20	-	-	-	15	5	20
Farm Science Club Conveners meet	5	25	10	35	-	-	-	25	10	35
Self Help Group Conveners meetings	6	20	70	90	-	-	-	20	70	90
Mahila Mandals Conveners meetings	5	-	60	60	-	-	-	-	60	60
Celebration of important days (Technology Week)	1	50	50	100	200	50	250	250	150	400
Any Other (Specify)	-	-	-	-	-	-	-	-	-	-
Total	366	1814	856	2670	274	70	394	2088	956	3044

