

Work conducted by KVK, Koderma in 2019-2020

Details of Training programme

S. No.	Title of Training	Durati on	No. of particip ants	Course Coordinator
1	Drudgery reduction in farm operation for farm women	2	24	Dr. Chanchila Kumari
2	Management of calf	1	25	Dr. Sudhanshu Shekhar
3	Cooking methods and reuse of excess balance food & its value addition	1	26	Dr. Chanchila Kumari
4	Management of backyard poultry	2	24	Dr. Sudhanshu Shekhar
5	Value added products of rice and pulses	2	23	Dr. Chanchila Kumari
6	Feed management of milch cow	2	23	Dr. Sudhanshu Shekhar
7	Balance diet made from locally available materials for lactating mother	1	22	Dr. Chanchila Kumari
8	Care and management of cattle in summer season	1	28	Dr. Sudhanshu Shekhar
9	Balance diet made from locally available materials for school going children	2	25	Dr. Chanchila Kumari
10	Breed improvement of desi cow.	2	27	Dr. Sudhanshu Shekhar
11	Control of mastitis in milch cattle	1	24	Dr. Sudhanshu Shekhar
12	Scientific cultivation of oyster mushroom	2	24	Dr. Chanchila Kumari
13	Scientific lac cultivation on palas tree	2	23	Dr. Chanchila Kumari
14	Care and management of chick	2	25	Dr. Sudhanshu Shekhar
15	Strengthen of existing SHG groups by off season vegetable cultivation	1	28	Dr. Chanchila Kumari
16	Truning and pruning of Palas tree	1	30	Dr. Chanchila Kumari
17	Capacity building of farm women through advance method of nursery raising	2	27	Dr. Chanchila Kumari
18	Care and management in goat	1	28	Dr. Sudhanshu Shekhar

19	Lay out of Nutritional kitchen gardening	1	24	Dr. Chanchila Kumari
20	Control of mastitis in milch cattle	1	24	Dr. Sudhanshu Shekhar
21	Storage of paddy in local condition post harvest management	2	24	Dr. Chanchila Kumari
22	Control of mastitis in milch cattle	1	24	Dr. Sudhanshu Shekhar
23	post harvest management of cereals and pulses	2	26	Dr. Chanchila Kumari
24	Control of mastitis in milch cattle	1	24	Dr. Sudhanshu Shekhar
25	Scientific cultivation of capsicum	1	22	Mr. Bhoopendra Singh
26	Control of infectious disease (H.S.B.Q. & FMD) in cattle & buffalo	2	25	Dr. Sudhanshu Shekhar
27	Management of Ranikhet disease in Poultry	2	23	Dr. Sudhanshu Shekhar
28	Importance of balanced diet for adolescence girl.	1	22	Dr. Chanchila Kumari
29	Scientific method of preservation through pickle making	2	25	Dr. Chanchila Kumari
30	Management of PPR infection in Goat	1	24	Dr. Sudhanshu Shekhar
31	Scientific Cultivation of oyster mushroom	1	24	Dr. Chanchila Kumari
32	Management of ecto parasite infestation in cattle	2	24	Dr. Sudhanshu Shekhar
33	Scientific cultivation of potato	2	25	Mr. Bhoopendra Singh
34	Management of mastitis in milch cattle.	2	25	Dr. Sudhanshu Shekhar
35	Scientific cultivation of cauliflower	1	24	Mr. Bhoopendra Singh
36	Control of ecto-parasite in backyard poultry	2	27	Dr. Sudhanshu Shekhar
37	Scientific post harvest management of onion	2	23	Mr. Bhoopendra Singh

38	Hydroponic fodder production	2	26	Dr. Sudhanshu Shekhar
39	Care and management of old orchard	2	28	Mr. Bhoopendra Singh
40	Improve the quality of dry roughage through urea treatment	2	23	Dr. Sudhanshu Shekhar
41	Care and management of papaya cultivation	2	27	Mr. Bhoopendra Singh
42	Management of malnutrition among children and their diets	2	23	Dr. Chanchila Kumari
43	Scientific cultivation of marigold in Jharkhand region	1	25	Mr. Bhoopendra Singh

Rural youth / Vocational Training

S. No.	Title of Training	Duration	No. of participants	Course Coordinator
1.	Scientific cultivation of mushroom	5	15	Dr. Chanchila Kumari
2.	Scientific goat farming	7	20	Dr. Sudhanshu Shekhar
3.	Value additional of seasonal vegetable by making pickle	5	15	Dr. Chanchila Kumari
4.	Control & management of viral disease	6	20	Dr. Sudhanshu Shekhar
5.	Method for different types of papad and chips making	5	20	Dr. Chanchila Kumari
6.	Scientific dairy farming	10	15	Dr. Sudhanshu Shekhar
7.	Scientific Quail farming	6	18	Dr. Sudhanshu Shekhar
8.	Different method of textile clothing	5	20	Dr. Chanchila Kumari
9.	Scientific cultivation of capsicum	5	17	Mr. Bhoopendra Singh
10.	Skill development training for Para vet	10	18	Dr. Sudhanshu Shekhar
11.	Care and management of old orchard	6	21	Mr. Bhoopendra Singh
12.	Scientific poultry farming	6	22	Dr. Sudhanshu Shekhar

Extension Functionaries

Title of training	Duration	No. of participants	Course of Training
Development for high nutritional efficiency diet for adolescence	3	15	Dr. Chanchila Kumari
Strengthening of SHGs group	3	16	Dr. Chanchila Kumari
Conservation of indigenous breeds of cow	3	15	Dr. Sudhanshu Shekhar
Resent enhancements in disease management	3	18	Dr. Sudhanshu Shekhar
Protected cultivation of high level vegetable crops in Jharkhand	3	20	Mr. Bhoopendra Singh

- **Details of FLDs conducted during the year**

Crop/Enterprises	Technology/Variety	No of beneficiaries	Name of Principal investigator	Result
Paddy	Sahbhagidhan	29	Dr.C.Kumari Dr.S.Shekhar	Sahbhagidhan perform well under drought climatic condition. Produce 38 q/hac.
Paddy	Abhishek	30	Dr.C.Kumari Dr.S.Shekhar	Abhishek perform well in medium duration land under stress condition. Increase 30% yield over farmers practice (Cv.Sita)
Pigeon Pea	(NDA2)	30	Dr.C.Kumari, Dr.S.Shekhar	
Nizer	JNC-6	25		Performance of JNC-6 is good in Koderma district its increase yield 44.44% over

				farmers practices
Maize	HQPM2	18	Dr. C.Kumari Dr.S.Shekhar	HQPM2 is very nutritious increase health status of pregnant women. HQPM2 YIELD 15% over local variety tulbuliya.
Onion	N 51	30	Mr. B.Singh	Kharif onion production increase farmers income in khariff session yield 230q/ha. 30 % over farmers practice .
Moringa	PKM2	20	Dr.S.Shekhar	Moringa PKM-2 yield 11 q/hac and 7 kg per day for 3 month increase milk yield 22% over farmers practice.
Mushroom	Oyster	20	Dr.C.Kumari	Oyster mushroom cultivation increase additional income 3000/month from 20 bags.
Lac Cultivation	Rangeeni	50	Dr.C.Kumari	Increase addition income 7000/palas tree after cultivation of rangeeni lac.
Nutritional kitchen garden	Round the year vegetable production	15	Dr.C.Kumari	Round the year vegetable production increase health status of rural women and also get additional income 3000 Rs/month.
Hydroponic	Maize,Barli	10	Dr.S.Shekhar	Maize and barley is very suitable for

fodder production				Hydroponic fodder. 5 kg of Hydroponic fodder per day for 90 days increase milk yield 15% over farmers practices.
Backyard poultry	Vanraja	50	Dr.S.Shekhar	Vanraja produce 288 eggs per year and male birds attend 2 kg body weight in 3 months .
Duck	White packing	50	Dr.S.Shekhar	White packing birds perform well and only 5% mortality recorded in chicks. 6 months male birds attends 3 kg body weight an female birds produces 128 eggs in a year.
Ectoparasite control drug	Flumethrin	100	Dr.S.Shekhar	Flumethrin 1% (flumitas) ectoparasite infestation in cattle and also enhance milk yield and health status
Dewormer	Albomar	100	Dr.S.Shekhar	Albomar-10mg/kg b.wt. twice in a year reduce calf mortality 20 % and also increase milk yield 10 % over farmers practice
Mineral mixture	Minfagold	200	Dr.S.Shekhar	Incorporation of Mineral Mixture @ 50 mg /kg for 90 days increase milk yield 25%

				over farmers practice
Pea	Arkel	32	Mr. B.Singh	Garden pea is winter session increase of farmers income disease resistance variety 20 % increase in farmers practice.
Capsicum	Bharti	15	Mr. B.Singh	Capsicum production in Koderma new vegetable and more farmers benefited 25% increase production in farmer practice
Cauliflower	Snow boll	18	Mr. B.Singh	Cauliflower Cv. Snow ball and boron @5 kg / ha increases yield 25% over framers practiced of boron for quality production.
Tomato	Swarn lalima	20	Mr. B.Singh	Swarn lalima tomato variety disease resistance and 30% more yield over farmer's practices.

- **On Farm Trails**

Title of OFT	Technology/Variety	No of beneficiaries	Name of Principal investigator	Result
Assessment of different casing for quality	Farmer's practice: Use of garden loam soil for making casing. Technology option-1:	15	Dr. C.Kumari	When we applied secondary water holding capacity

yield of White Button Mushroom management of white button mushroom.	Farmer's practice + Waste tea leaf (after making tea) and vermicompost in equal ration-80 gm/bag Technology option-2: Farmer's practice + Bio-fertilizer <i>Pseudomonas putida</i> (10g/bag)			materials like waste tea leaf is increased bulk intensity of casing mixture which might lead the fruiting in bigger size
Management of pest in stored wheat grain	Farmer's practice: storage of wheat grain after sun drying of 2 days. Technology option-1: storage of wheat grain after 8-10 % moisture level and mixing dry neem leaf @ 5 kg/100kg grain + treatment of Aluminium Drum with fumigant @ 01ml/lit of water Technology option-2: storage of wheat grain after 8-10 % moisture level and EDB ampule @01gm/100kg of Wheat+ treatment of Aluminium Drum with fumigant @ 01ml/lit of water	18	Dr. C.Kumari	Use of EDB ampule @01gm/100kg of Wheat+ treatment of Aluminium Drum with fumigant @ 01ml/lit of water found very effective pest in stored wheat grain and reduce the pest in stored wheat grain
Assessment of QPM based weaning/enriched food for child health	Farmer's practice: Inadequate dietary pattern unbalanced intake of nutrients and no weaning / healthy food practice Technology option-1: Roasted maize flour 60 gm + roasted chana flour 20 gm +sugar 20 gm + with 1/2 cup milk. Technology option-2: QPM (malted roasted) 50 gm, sprouted & roasted green gram 25 gm, Til/groundnut roasted 10 gm	18	Dr. C.Kumari	Use of QPM based weaning/enriched food for child health with technology opt 2.

	+sugar 15 gm, 1/2 cup milk.			
Evaluation of Postpartum anoestrous management in cattle	<p>Farmer's practice : Generally farmers feed germinated wheat 3 to 4 days for induction of heat</p> <p>Technology option-1: Dewormer with Albendazole after one month of calving and Mineral mixture@ 50 gm will be fed 15 days of calving for 3 months.</p> <p>Technology option- 2: Ovsynch protocol 45 days after post partum.</p> <p>Protocol treatment</p> <p>Day-0: Injection Receptal 2.5 ml.</p> <p>Day-7: Injection Lutalyse 5 ml.</p> <p>Day-9: Injection Receptal 2.5 ml.</p> <p>Day-10: Morning Insemination, Evening Insemination</p>	45	Dr.S.Shekhar	Ovsynchronizing protocol(GnRH-0d ,PGF2 α -7d GnRH-9 d), and fixed time A.I. 45 days after parturition in cross breed cow increase conception rate 80% over farmers practice.
Evaluation of different drugs for control of ectoparasites infestation in cattle	<p>Farmer's practice: Farmers used Butox (Deltamethrin @ 2ml/liter water solution as whole body spray.</p> <p>Technology option-1: Neem oil+ Karanz oil (1:1) + Sulphur + Camphor apply on the surface of the body</p> <p>Technology option-2: Flumethrin (1%) apply on the surface of the body</p>	45	Dr.S.Shekhar	Use of Flumethrin (1%) in cattle for controlling ectoparasite found very effective over Deltamethrin. Reduce the occurrence of Tick born infection
Validation of Ovsynch and Heatsync	Farmer's practice: Dewormer (Fenbendazole 3g) + phosphorus 80 mg i/m + multi-mineral bolus @ 1 bolus orally for 7 days	45	Dr.S.Shekhar	GnRH-10 microgram, D7-PGF2 α 500microgram, D9- GnRH-10

h protocols in post partum anoestrus cows	Technology option-1: D0: GnRH (Buserelin) 10 µg, D7 :PGF 2α 500 µg; D9: GnRH (Buserelin) 10 µg, and D10: Fixed Time AI. (Ovsynch). Technology option-2: D0: GnRH (Buserelin) 10 µg; D7: PGF2α 500 µg; D8: Oestradiol 1mg; D10: Fixed Time A I (Heatsynch)			microgram- and Fixed time A.I. Increase conception 80 % in post partum anoestrus cows over farmers practice.
Early cucumber productio n through protected technolog y	T₁ Farmer Practice – Direct seeded sowing in month of march first week T₂ Early nursery raising through pro-try (Seed sowing pro-try month of February second week) T₃ Early nursery raising through pro-try under poly tunnel (Seed sowing pro- try month of January last week)	21	Mr. B.Singh	Crop standing

- **Extension Activities (including activities of FLD programmes)**

Nature of Extension Activity	No. of activities	Total		
		Male	Female	Total
Field Day	06	147	53	220
KisanGhoshi	08	72	39	111
Film Show	15	78	48	126
Method Demonstrations	4	30	20	50

Group meetings	07	198	105	303
Lectures delivered as resource persons	22	1087	202	1289
Advisory Services	251	170	81	251
Scientific visit to farmers field	42	214	202	472
Farmers visit to KVK		1447	1403	2990
Diagnostic visits	256	386	170	604
Exposure visits	4	136	65	201
Ex-trainees Sammelan	2	0	0	0
Soil health Camp	2	38	26	64
Animal Health Camp	4	226	192	418
Soil test campaigns	2	26	39	65
Self Help Group Conveners meetings	3	26	48	74
Mahila Mandals Conveners meetings	2	0	86	86
Celebration of important days (specify)	4	102	95	197
Swatchta Hi Sewa	30	158	173	331
Mahila Kisan Divas	1	0	87	87
Any Other (Specify)	6	288	152	488

- **Other Extension activities**

Nature of Extension Activity	No. of activities
Newspaper coverage	105
TV talks	04

Popular articles	04
Extension Literature	04
Other, if any	02

- **Success stories/Case studies**

Name of farmer	Mr. Dinesh Kr. Das
Address	Village – Pahar Pur Post – Jainagar Block : Jainagar Dist – Koderma Pin - 825109
Contact details (Phone, mobile, email Id)	7255098846
Landholding (in ha.)	2acre
Name and description of the farm/ enterprise	Mushroom Cultivation : A Profitable Enterprise Oyster mushroom Cultivation in small scale under the guidance of scientists of KVK. As a result the beneficiaries of SHG group could harvest 185 kg bags and generate profit of about Rs.22000/- within a month by selling mushroom in the nearby market at the rate of Rs.150/- per kg. It increases the self employment in number of days per year. The success of mushroom production not only encourages other SHGs of the adopted village but also women of neighboring villages to grow mushroom successfully and profitably mushroom from 150 bags.
Economic impact	Cultivation in small scale under the guidance of scientists of KVK. As a result the beneficiaries of farmers could harvest 185 kg mushroom from 100 bags and generate profit of about Rs.22000/- within a month by selling mushroom in the nearby market at the rate of Rs.150/- per kg. It is increasing the self employment in number of days per year. The success of mushroom production not only encourages other farmers of the adopted village but also women of

	neighboring villages to grow mushroom successfully and profitably.
Social impact	It is now accepted at very large scale and more 110 farm families are engaged in mushroom cultivation in Paharpur village.
Environmental impact	It is now accepted at very large scale and more 80 farm families are engaged in mushroom cultivation in Paharpur village.
Horizontal/ Vertical spread	This technology is socio-economically very accepted by Koderma district farmers and now it is spread more than 110 farm families.

- **Details of innovations recorded by the KVK**

Thematic area	Vegetable production
Name of the Innovation	Brinjal Production Round the Year
Details of Innovator	Sankar Yadav Jainagar block, Koderma
Back ground of innovation	Age : 41 year Education : 10 th Land holding : 5 ha Farming Experience : 8years Crop grown: Rice, wheat, Brijal, chilli, Capsicum, tomato, vegetables, summer vegetable Mushroom Production, etc. . Livestock: 10 nos cow & 4 nos buffaloes (100 ltr. milk production/day)
Technology details	Generally, farmers grow Brinjal in rabi season in Koderma, Jharkhand. They transplanted the seedling after harvest of rice and vacate the field in the second fortnight of June for rice cultivation in medium land. Every year farmers transplanted Brinjal seedlings after harvest of rice Cv. MTU 7029, in the month of December-January in

	<p>medium land where water holding capacity is good & sufficient moisture available/need less water for irrigation for rest of the year. During wet season they grow rice in the same field due to stagnation of water. During 2015-16, One progressive farmer Sankar Yadav transplanted the 12-15 Brinjal Cv. Tejani (krishidhan) in their upland . The survivability of plant was very low, but the plant who survived that yielded very good. KVK, Koderma organized a group meeting of vegetable grower, in group discussion few farmers shown keen interest for conducting a trail to assess the retransplanting trail after light root pruning . A training programme has been conducted to train them for shoot pruning of Brinjal. 20 farmers participated the training and they all retransplant their brinjal plant after light shoot pruning, 60 per cent survivability has been recorded. Farmers also observed that after one week of transplanting, plant has shown their development. The plant produced good yield in second phase .high price Rs. 40/kg of Brijal being off season production of brinjil for this region, due to he earned about 40 thousand/ha additional income. In this technology he also saved cost of nursery raising. The income is also includes 6 weeks additional production duration from same plants.</p>
<p>Practical utility of innovation</p>	<p>Mr. Yadav replicated this technology in 0.5 acre during 2015-16. He harvested 7kg Brinjal/plant in January transplanted plant and again he started same production without any time lag between uprooting and transplanting in upland. This is the off season production of Brinjal for this region, due to high price Rs. 40/kg of brinjal he earned about 40thousand/ha additional income. In this technology he also saved cost of nursery raising. The income is also includes 6 weeks additional production duration from same plants.</p> <p>Impact: Now this technolgy has been popularized in this area and replicated by large number of farmers covering about 23 ha area</p>

- **Details of entrepreneurship development**

Entrepreneurship development	
Name of the enterprise	Lac Cultivation
Name & complete address of the entrepreneur	Ramchandra Yadav Village: Basdih Block: Markachoo Dist – Koderma
Role of KVK with quantitative data support:	Imparted training for Lac cultivation and provide brood lac in initial stage, introduced with other entrepreneurs
Timeline of the entrepreneurship development	He takes training during April 2015 for Lac cultivation, and started Lac cultivation during winter 2015 with Ranginee . Now nearly engaged in Brood lac production whole year and earning about 6000 per month.
Technical Components of the Enterprise	Brood lac
Status of entrepreneur before and after the enterprise	Status of Before entrepreneur he was earning about Rs.3300 per month and after Lac cultivation he is earning additional Rs.6000 per month.
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	Availability of brood lac is the limiting factor. Status of Before entrepreneur he was earning about Rs.3300 per month and after Lac cultivation he is earning additional Rs.6000 per month.
Horizontal spread of enterprise	This technology is socio-economically very accepted by farmer of Basdih village and now it is spread more than 50 farmers in that village . Now this technology has been adopted by about 50 farmers in that area.

Entrepreneurship development	
Name of the enterprise	Dairy farming
Name & complete address of the entrepreneur	Name- Shri. Ashok Yadav Village – Dandadih Block- Jainagar Dist – Koderma
Role of KVK with quantitative data support:	Imparted training for dairy farming and Use of green fodder, UUMB, vaccination and deworming they got maximum productivity and fertility from his cows.
Timeline of the entrepreneurship development	He takes training during August 2016 . Due to use of balance ration the cow gives milk in 300 lactating days and also cows comes in heat 60 days after parturition. They get one calf in year from each cow. Presently he has 8 cows and produces 50 lit. milk per day.
Technical Components of the Enterprise	Green fodder, UUMB, vaccination and deworming
Status of entrepreneur before and after the enterprise	Status of Before entrepreneur he was earning about Rs.3300 per month and after Lac cultivation he is earning additional Rs.6000 per month.
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	He sold the milk @ Rs 40 per lit which gave him total income of Rs. 2000 per day. Thus, he earns a Rs. 6,00000 per year. In this way, he got total income from 8 cows and 1 acre of land. Adopting this technology can get better benefit and profitability.
Horizontal spread of enterprise	This technology is socio-economically very accepted by farmer of Lohadand village and now it is spread more than 20 farmers in that village and produces 500 lit. Milk per days from Lohadanda villages and send to the

	cooperative.
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- **Details of organic farming practiced by the farmer**

Sl. No.	Crop / Enterprise	Area (ha)/ No. covered	Production	No. of farmers involved	Market available (Y/N)
1	Tomato	1.25	80q	20	Yes
2.	Kharif onion	.25	78q	10	Yes
3.	Brinjal	.25	61q	10	Yes
5.	Chilli	.25	35q	10	Yes
6.	Okra	.25	31q	10	Yes
7.	cucurbitaceae	.25	25q	10	Yes

- **Cases of large scale adoption**

Horizontal spread of technologies	
Technology	Horizontal spread
Rice Cv.Sahbhagi dhan	Shown drought tolerance, adopted by 1456 farmers covered 430ha area
Rice Cv. Abhishek	Shown drought tolerance, adopted by 540 farmers covered 220 ha area
Wheat sowing by zero tillage	Adopted by 150 farmers covered 85 ha.
Kharif onion Cv. Arka nicketan	Adopted by 200 farmers covered 18 ha

Capsicum Cv. Indra	Adopted by 90 farmers covered 8 ha
Mushroom production - Oyster	Adopted by 45 farmers, they established mushroom unit
Backyard poultry- divyayan red	Established 39 unit of backyard poultry
Protective vegetable cultivation	Adopted by 88 farmers by using plastic mulching, protrey nursery and low tunnel poly house
Value addition of Vegetable	Adopted by SHGs for income generating actiities

• **LINKAGES**

Functional linkage with different organizations.

Name of organization	Nature of linkage
ATMA	<ul style="list-style-type: none"> • KVK conducting FLDs & trail of Assessment of Agricultural researchable Issues sponsored by ATMA. • KVK staff participated in Training Programmes, Farmers-Scientists interaction, Kisanmela etc. as resource person. • Participated in meeting of ATMA as a GB member • P.D. ATMA participated in SAC meeting of KVK, Koderma and in training programmes conducted by KVK. <p>KVK staff facilitates in Exposure visit of farmers and also organized other programmes related for farming community.</p>
LDM, Koderma	<ul style="list-style-type: none"> • KVK staff participated in formation of Kisan Clubs • LDM participated in SAC meeting and training programmes
BAU, Ranchi	<ul style="list-style-type: none"> • KVK facilitating in conducting Training programme of BAU • As resource person • Supply of seed materials
Depot. Of Agril.	<ul style="list-style-type: none"> • Conducting Demonstrations • KVK staff (technical) participated in pre

	seasonal workshop.
Doordarshan& E TV	<ul style="list-style-type: none"> KVK staff deliver TV talk on different topic of agriculture and allied fields.
NABARD	<ul style="list-style-type: none"> DDM, Koderma participated in SAC meeting and in training programmes. KVK staff participated in workshop and in formation of kisan club organized by NABARD.
DRR, Hyderabad	<ul style="list-style-type: none"> KVK conducting FLDs on rice sponsored by DRR, Hyderabad.
DWR, Karnal	<ul style="list-style-type: none"> KVK conducting FLDs on wheat sponsored by DWR, Karnal.
IIPR, Kanpur	<ul style="list-style-type: none"> KVK conducting FLDs on pulses sponsored by IIPR, Kanpur Supply of seed materials.
NGO,JanJagran Koderma	Training,Demonstration,Kisangoasthi, Resource Person
NGO, Nehru Youva Kendra ,Koderma	Training,Demonstration,Kisangoasthi, Resource Person

• **Joint activity carried out with line departments and ATMA**

Name of activity	Number of activity	Season	With line department	With ATMA	With both
Seed Village	03	Kharif ,rabi&zaid	DAO,DFO,DAHO ,DHO	Advisory services, Resource Person	Advisory serv Resource Person ices,
Soil Testing	943	Kharif	DAO		
Advisory services	1126	Kharif	DAO		
Resource Person	55	Kharif ,rabi&zaid	DAO,DFO,DAHO ,DHO		

• **Swachhta Hi Sewa programme organized**

Sl.	Activity	No. of villages	No. of	No. of VIPs
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No.		Involved	Participants	
01	1. Sanitation and SBM, Cleaning and beautification of surrounding areas, Vermicomposting/ Composting of biodegradable waste management & other activities on generate of wealth for waste,Nutritinal kitchen garden, Swachhta Awareness at local level	04	186	2

- .Organized World Soil Day**

Sl. No.	Activity	No. of Participants	No. of VIPs	Name (s) of VIP(s)	Number of Soil Health Cards distributed	No. of farmers benefitted
1.	Training, Kisan Ghosti, Soil Health Card distribution	107	01	Mr.Ashok yadav	100	107

- Mahila Kisan Divas programme organized**

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1.	Kisan goasti,Drawing compitation,etc	4	42	0	0

- Award received by Farmers from the KVK district**

Sl. No.	Name of the Award	Name of the Farmer	Year	Conferring Authority	Amount	Purpose
1	Best innovator award	Sri Ashok Yadav	2019	BAU, Ranchi	certificate	
	Best Fruit grower	Babula Mehto	2019	ATMA, Koderma	certificate	
	Best vegetable grower	Ajay Kumar Mehto	2019	ATMA, Koderma	certificate	

- Organizations/ farmers' cooperative society/ FPO formed/ associated with KVKs (technical supported)**

Sl. No.	Name of the organization/ Society	Trust Deed No. & date	Date of Trust Registration Address	Proposed Activity	Commodity Identified	No. of Members	Financial position (Rupees in lakh)	Success indicator
1	KODERMA KRISHI PRODUCER COMPAN	22-03-16	U01403JH2016ptC003671	Paddy Seed Production	Seed grower	409	2-3 lakh	

	Y LIMITED 03-22- 2016			Selling seed and fertilizer to the farmers				
2	WADI AGRO PRODUCT PRODUC ER COMPAN Y LIMITED	16- 05- 16	U01100JH2016PTc00 8814	Horticultu re, Vegetable Cultivatio n and Selling seed and fertilizer to the farmers	Vegetable grower	434	2-3 lakh	

Technologies for Doubling Farmers' Income

Sl. No.	Name of the Technology	Brief Details of Technology (3- 5 bullet points)	Net Return to the farmer (Rs.) per ha per year due to adoption of the technology	No. of farmers adopted the technology in the district
1	Mushroom production	Use of quality of spawn <ul style="list-style-type: none"> • Use of hygienic space for cultivation. • Proper management. 	3000/months	156
2	Early vegetable cultivation	<ul style="list-style-type: none"> • Use high yielding variety. • Use of IPM& INM. • Proper irrigation. 	2000/month	
3	Lac cultivation	<ul style="list-style-type: none"> • Use of quality and improve brood • Proper pruning of host plant. 	4000/months	102

		<ul style="list-style-type: none"> • Proper management 		
4	Dairy Farming	<ol style="list-style-type: none"> 1. Use of improve breed 2. Dairy management. 3. Use of balance diet and mineral mixture 4. Regular vaccination 	6000/ month	105

Good quality action photographs of overall achievements of KVK during the year



On Campus training at KVK



Off campus Training on Lac cultivation



Sponsored Training



Training on poultry farming (kadknath)



Field visit at farmers field



Kisan goasthi at village



Live web telecast programme



Swachhata Abhiyan programme