

PROFORMA FOR ANNUAL REPORT 2015 (April 2015 to March 2016)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
	Office	FAX	
K.V.K., Gandhar, Jehanabad (Bihar)	9431479522		jehanabadkvk@gmail.com

1.2 .Name and address of host organization with phone, fax and e-mail

Address	Telephone		E mail
	Office	FAX	
Bihar Agricultural University, Bhagalpur, (Sabour) PIN – 848125	0641-2458611	0641-2452604	deebausabour@gmail.com

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. (Mrs.) Shobha Rani	06114-225542	9431479522	jehanabadkvk@gmail.com

1.4. Year of sanction of KVK: 2006 [Sanction Order F. No. 18027/960AE0I (Pt.)

Date of Sanction 24.03.2006

Year of Inception = 2006

1.5. Staff Position (as on 1st April, 2016)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale with present basic	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/Others)
1	Programme Coordinator	Dr. (Mrs.) Shobha Rani	Programme Co-ordinator	Home Science	37400-67000 (46400)	15.05.2012	Permanent	Others
2	Subject Matter Specialist	Dr. Dinesh Mahto	Subject Matter Specialist	Animal Science	15600-39100 (22950)	16.04.2012	Permanent	OBC
3	Subject Matter Specialist	Er. Jeetendra Kumar	Subject Matter Specialist	Argil. Engg.	15600-39100(27390)	07.04.2012	Permanent	OBC
4	Subject Matter Specialist	Dr. Wajid Hasan	Subject Matter Specialist	Entomology	15600-39100 (22950)	16.04.2012	Permanent	Gen
5	Subject Matter Specialist	Sri Ajit Kumar Paswan	Subject Matter Specialist	Agronomy	15600-39100 (22950)	19.04.2012	Permanent	SC
6	Subject Matter Specialist	-	-	-	-	-	-	-
7	Subject Matter Specialist	-	-	-	-	-	-	-
8	Programme Assistant	Kundan Kumar	Programme Assistant (Lab. Tech)		9300-34800 (14760)	29.10.2012	Permanent	OBC
9	Computer Programmer	Manoj Kumar	Programme Assistant (Comp.)	-	9300-34800 (14330)	13.05.2013	Permanent	Gen
10	Farm Manager	Ram lakhan Thakur	Farm Manager	-	9300-34800 (14760)	26.10.2012	Permanent	OBC
11	Accountant / Superintendent	Dhananjay Kumar	Office Superintendent –cum- Accountant	—	9300-34800 (14330)	15-04-2013	Permanent	Gen
12	Stenographer	Biswajit Datta	Stenographer		5200-20200(10520)	21.06.2013	Permanent	Gen
13.	Driver	Ayush Kumar	Driver	—	5200-20200 (8460)	11.05.15	Permanent	SC
14.	Driver	Vijay Kumar	Driver	-	5200-20200 (8460)	18.05.15	Permanent	OBC
15.	Supporting staff	Sri Sanjay Kumar	Supporting Staff	—	Rs. 6000/- consolidated	11.06.2007	Temporary	Gen
16.	Supporting staff	Kshatrapati Singh	Supporting Staff	-	Rs. 6000/- consolidated	2014	Temporary	Gen

1.6. Total land with KVK (in ha) :10 ha

S. No.	Item	Area (ha)
1.	Under Buildings	1.00
2.	Under Demonstration Units	0.35
3.	Under Crops	6.00
4.	Orchard/Agro-forestry	0.276
5.	Pond	0.836
6.	Polyhouse	0.06
7.	Green House	0.008
8.	Vermicompost	0.00038

Total area should be matched with breakup

1.7. Infrastructure Development:

A) Buildings and others

S. No.	Name of infrastructure	Not yet started	Completed up to plinth level	Completed up to lintel level	Completed up to roof level	Totally completed	Plinth area (sq.m)	Under use or not*	Source of funding
1.	Administrative Building					Yes	500m ²	under use	ICAR
2.	Farmers Hostel						300m ²	Not	ICAR
3.	Staff Quarters (6)						315m ²	under use	ICAR
4.	Piggery unit								
5.	Fencing					50% Comp.	2650ft ²		ICAR
6.	Rain Water harvesting structure						-		-
7.	Threshing floor						40m ²	Yes	ICAR
8.	Farm godown						70m ²	Yes	ICAR
9.	Dairy unit								
10.	Poultry unit								
11.	Goatary unit								
12.	Mushroom Lab								
13.	Mushroom production unit					Yes	750 m ²	Recently Completed	ICAR
14.	Shade house								
15.	Soil test Lab								
16.	Others, (Seed Processing Unit)						60m ²		RAU
17.	Veg. Processing Unit					Yes	-----		ICAR

* If not in use then since when and reason for non-use

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total km. Run	Present status
BOLERO-LX	29.06.2006	4,15,436.50 + 12.5% VAT	193286	Condemned
Motor bike, BR01CR 8038	2015-16	60000	1301	Functional
Motor bike, BR01CR 8039	2015-16	60000	2455	Functional

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
P.P Cap Sealing Machine	2015-16	10000	Working	ICAR
Crown corcking machine	2015-16	7000	Working	ICAR
Lug Cap sealer	2015-16	12000	Working	ICAR
Heavy Duty Mixture Grinder	2015-16	12000	Working	ICAR
Pulper	2015-16	30000	Working	ICAR
Fruit mill junior	2015-16	12000	Working	ICAR
Dehydrator Electrical	2015-16	70000	Working	ICAR
Vacuum Filer	2015-16	33000	Working	ICAR
Vegetable Juicer	2015-16	32000	Working	ICAR
Bio-metric system	2013-14	24750	Working	ICAR
Cabinet	2013-14	4750	Working	ICAR
Battery	2013-14	4950	Working	ICAR
b. Farm machinery				
Tractor	22-07-08		Working	Received from DEE, RAU Pusa
Mobile Seed Processing machine		-	Working	Received from Bihar Govt.
Power Reaper	2013-14	100000	Working	ICAR
Power Reaper	2011-12	86700	Working	NICRA
c. AV Aids				
LCD Projector & Accessories	2010-11	47736.00	Good	ICAR
Multimedia Projector	2010-11	33750.00	Good	ICAR
Digital Copier	2010-11	63898.00	Need Repair	ICAR
Stabliser	2010-11	7800.00	Need Repair	ICAR
Desktop Computer with monitor (NICRA)	2010-11	43434.00	Good	ICAR
HP Laser Printer (NICRA)	2010-11	5938.00	Good	ICAR
UPS System (NICRA)	2010-11	2000.00	Good	ICAR
P/A System	2010-11	25451.00	Good	ICAR
HD 8000HD	2015-16	222823.10	Good	ICAR
MPT Camera	2015-16		Good	ICAR
MIC	2015-16		Good	ICAR
Panasonic 47 LED	2015-16	69565.00	Good	ICAR
Dell Monitor	2015-16	62839.00	Good	ICAR
CPU	2015-16		Good	ICAR
8/16 Ethernet switch	2015-16	3194.00	Good	ICAR
Wall Mount Rack	2015-16	4259.00	Good	ICAR
Patchcord	2015-16	426.00	Good	ICAR
Patchcord (Digni Link)	2015-16	213.0	Good	ICAR
UPS 5KVA Orian	2015-16		Good	ICAR
Battery	2015-16		Good	ICAR
Rack	2015-16		Good	ICAR

Microtake UPS	2015-16	2975.00	Burned by electric Short Circuit in PC chamber.	ICAR
Video conferencing unit	2015-16	-	Working but A/C not functional	Provided by BAU, Sabour
Mridaprikshak Soil test lab.	2015-16	75000	Working	NICRA
AC + Stabilizer	2015-16	43100	Working	ICAR
RO water purifier+ Accesories	2015-16	20000	Working	ICAR

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
Zerotill seed cum fert. Drill	2011-12	57750	working	NICRA, RKVY
Rotavator	2011-12	99750	working	NICRA, RKVY
M.B Plough	2011-12	20160	working	NICRA
Disc Harrow	2011-12	38325	working	NICRA
Leveller	2011-12	13125	working	NICRA
Cultivator	2011-12	25725	working	RKVY
Multicrop thresher	2011-12		working	RKVY
Conoweeder	2011-12	1850	working	ICAR
winnower	2011-12	2850	working	ICAR
M.B Plough	2006-07		working	Received from DEE, RAU Pusa
Disc Harrow	2006-07		working	
Leveller	2006-07		working	
Brush cutter	2015-16	28300	Working	ICAR
Paddy transplanter	2015-16	195000	In process	NICRA
Raised bed planter	2015-16	70000	In process	NICRA
Direct seeded rice machine	2015-16	65000	In process	NICRA

1.8. Details SAC meeting* conducted in the year

* Salient recommendation of SAC in bullet form

Attach a copy of SAC proceedings along with list of participants

Sl.No.	Date	Number of Participants	Salient Recommendations	Action taken	If not conducted, state reason
1.	24-06--2015		1. No. of farmers should be increased in Krishak Chaupal 2. Training and demonstration should be organised on green fodder production 3. farmers should be aware on Artificial insemination among livestock 4. Training on water conservation/ management aspects should be increased	Followed Conducted Done through training programme Conducted	

			in coordination with other line department/ agencies 5. Front line Demonstration on oilseed and pulses should be conducted 6. Local seed sale centre for University/ KVK seed should be established at KVK 7. Awareness camp on millets like ragi, bajara, jwar should be done 8. OFT should be designed on low cost portable poultry centre 9. Awareness should be created among farmers for seed germination test before sowing of seed 10. Remote village awareness programme for improved technology should be conducted 11. Farmer producer organization should be developed 12. Soil testing should be done by KVK 13. Joint liability group of women on goatry should be formed in coordination with NABARD 14. Crop insurance scheme should be properly followed by line department for the benefit of farmers 15. Regular attendance should be maintained by KVK staff	Conducted NHM seed sale counter used as seed sale centre of KVK Done through training programme, drought campaign, Kharif kisan mela etc. Done in NICRA project Conducted through training Conducted trough kisan choupal, drought campaign, off campus training etc. In process Conducted In process Awareness programme cum kisan mela Followed	
--	--	--	---	--	--

			through biometric system		
--	--	--	--------------------------	--	--

2.a. District level data on agriculture, livestock and farming situation (2015-16)

Sl. no.	Item	Information
1	Major Farming system/enterprise	Paddy – Wheat/pulses- Moong (paddy-wheat/pulses-Moong). Also cultivation of oil seeds (Rai, Mustered), Potato, vegetables
2	Agro-climatic Zone	NARP Zone – III B: The area is alluvial plains with general slope towards North to East. The soils of the zones are classified as old alluvial. The agro climatic condition of the district offers excellent scope for plantation, medicinal and horticultural crops.
3	Agro ecological situation	Humid-hot climate: Rich in both ground and surface water resources and thus it is suitable for agriculture and fishery development
4	Soil type	Old alluvial-Clay: Hard in texture and low in organic matter contents Old alluvial – Loamy: Comparatively brittle and high in organic matter contents
5	Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others	Rice- 56.03, Wheat-39.0, Chickpea-11.18, Lentil-11.8, Oilseeds-9.0 Qt./ha
6	Mean yearly temperature, rainfall, humidity of the district	Mean temp. max=32.84 ⁰ min=15.62 ⁰ , Humidity Max=99% Min=26.66%, Mean Annual rainfall=1051mm
7	Production of major livestock products like milk, egg, meat etc.	Av. Milk: cross breed: 5.78 kg /day Desi: 1.81kg /day /animal , Buffalo: 3.65kg/day/animal poultry :Desi : 3077 lakh , Improved: 3912 lakh, Duck: 413 lakh Meat: sheep 7.98 kg/animal , Goat: 7.88 kg /animal , Pig: 25.54 kg/animal

2.b. Details of operational area / villages (2015-16)

Sl. No.	Name of Taluk	Name of the block	Name of the villages	Major crops & enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
1.	Jehanabad	Modanganj	Jaikishunbig ha	Paddy, wheat, pulses	False smut, stem borer in paddy, Drought in kharif, Supplement of Mineral Mixture with fodder seed	Integrated pest and disease management, Nutritional management.

2.		Kako	Keshopur	Paddy, wheat, pulses, vegetable, oilseed	Water, weed, insect-pest management in different crops, improved varieties of different crops	Water and weed management
3.		Modanganj	Rampur charui	Paddy, wheat, pulses, oilseed, livestock	False smut, stem borer, gandhi bug in paddy, Pod borer and wilt disease in pulses, infertility & repeat breeding in cattle	Integrated pest and disease management livestock management
4.		Kako	Safepur	Paddy, wheat, vegetable	False smut, stem borer, red spider mite in brinjal & okra, YVMV, Fruit & shoot borer in okra	Integrated pest and disease management
5.		Kako	Khalispur	Paddy, wheat, pulses, flower	False smut, stem borer, gandhi bug in paddy, Pod borer and wilt disease in pulses	Integrated pest and disease management, Weed management
6.		Ghosi	Shahpur	Paddy, wheat, pulses, oilseed	False smut, stem borer, gandhi bug in paddy, Pod borer and wilt disease in pulses, RCT	Integrated pest and disease management Weed management, water management
7.		Modanganj	Sakrorha	Paddy, wheat, pulses, oilseed, livestock	Water management, False smut, stem borer, gandhi bug in paddy, pink borer and termite in wheat, Supplement of mineral mineral mixture & fodder seed, infertility & repeat breeding in cattle, PPR in goat, contagious disease of poultry, Nutritional deficiency in cattle	Water conservation, IPM, livestock management
8.		Modanganj	Bandhuganj	Paddy, wheat, pulses, oilseed	BPH, False smut, stem borer, gandhi bug in paddy, Pod borer and wilt disease in pulses	Integrated pest and disease management
9.		Ratni Faridpur	sesamba	Paddy, wheat, pulses, oilseed, livestock	False smut, stem borer, gandhi bug in paddy, Pod borer and wilt disease in pulses, PPR in goat, infertility in cattle	Integrated pest and disease management, Nutritional management in cattle
10		Makhdumpur	Sarthua	Paddy, wheat, pulses, Vegetables	False smut, stem borer, gandhi bug in paddy, Pod borer and wilt disease in pulses, Fruit borer and blight in brinjal	Integrated pest and disease management
11		Modanganj	Dhamapur	Paddy, wheat, pulses		
12		Makhdumpur	Dharaut	Paddy, wheat, pulses, oilseed, poultry	Insect-pest management in different crops, improved varieties of different crops	Poultry management, vermi compost

2. c. Details of village adoption programme:

Name of the villages adopted by PC and SMS in 2015-16 for its development and action plan

Name of village	Block	Action taken for development
Jaikishunbigha	Modanganj	Vermi compost production, Technology demonstration for additional income (Livestock, Kitchen Gardening), Spice cultivation (Coriander), Drought tolerant paddy (Ardhahal, S. Surbhit), Paddy cultivation by SRI method, DSR paddy, Food preservation, Short duration potato, planting materials of fruits. Participation in PMFBY, Kharif & Rabi Kisan Sammelan, soil day etc.
Keshopur	Kako	Introduction of drought tolerant paddy variety Sahbhagi, Improved varieties of wheat, Rai var. R. suflam, lentil var.-HUL 57, Direct sowing of paddy by paddy seeder, plastic mulching in okra, training, Exposure visit of farmer, Kisan club, participation in BAU Kisan Mela and exhibition, Participation in PMFBY, Kharif & Rabi Kisan Sammelan, soil day, demo on oilseed and pulses
Rampur charui	Modanganj	Vaccination programme, infertility camp, OFT, FLD (Mineral Mixture, fodder grass), OFF campus training, Animal Health camp, Management of milk collection. Participation in PMFBY, Kharif & Rabi Kisan Sammelan, soil day etc.
Safepur	Kako	Promoted vegetable cultivation by training, conducting OFT on disease and pest management in Okra, Technology demonstration for extra income generation via Kitchen Gardening, Rural Youth training on Bee keeping, Kisan club, participation in BAU Kisan Mela, Technology demonstration to promote pulse production (Lentil var. HUL 57) and oilseeds (Rapeseed-mustard var. R. suflam), Exposure visit of farmers. Participation in PMFBY, Kharif & Rabi Kisan Sammelan, soil day etc.
Khalispur	Kako	OFT on weed management in paddy and wheat for higher yield, Demonstration on Chickpea var- GNG 1581 with Rizhobium culture, demo on lentil, maize, wheat, rape seed and mustard, Trained farmers for vermicompost production, INM in different crops. Participation in PMFBY, Kharif & Rabi Kisan Sammelan, soil day etc.

2. d. Sansad Adarsh Gram Yojona

i) Name of the village under Sansad Adarsha Gram Yojona: Dharaut (Block- Makhdumpur)

ii) Contribution of KVK in the programme:

- 2 days Kisan Gosthi on vermi compost production in coordination with SSB, Makhdumpur.
- Organized Animal Health Checkup Programme
- Poultry distribution
- Jai Kisan Jai Vigyan Diwas organised
- Kisan chaupal
- Demonstration of rapeseed and wheat
- Training on organic crop cultivation

2.1 Priority thrust areas

S. No	Thrust area
1	Quality seed production
2	Crop diversification.
3	Integrated Disease Management.
4	Promotion of agri-enterprises i.e. Beekeeping, Vermicompost Production, Plant

	Health Clinic & Mushroom Production for self-employment and income generation among rural youths
5	Promotion of Resource conservation Technologies.
6	Gender mainstreaming through SHG's.
7	Integrated Pest Management.
8	Promotion of Biofertilizers application & organic farming system.
9	Skill up gradation in livestock management for income generation.
10	Nutritional Management in cattle.
11	Water management with respect to climate change.

3. TECHNICAL ACHIEVEMENTS

3. A. Details of target and achievement of mandatory activities by KVK during 2015-16

OFT				FLD			
Number of OFTs		Number of farmers		Number of FLDs		Number of farmers	
Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
12	12	94	102	13	17	500	662

Training				Extension activities			
Number of Courses		Number of Participants		Number of activities		Number of participants	
Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
148	177	3535	8231	3600	4505	100000	187444

Seed production (g)		Planting material (Nos.)	
Target	Achievement	Target	Achievement
Paddy:300	320		

3.1 Achievements on technologies assessed and refined

OFT:1 Entomology

1	Title of On farm Trial	Management of false smut on paddy
2	Problem diagnose	False smut on paddy is a serious disease occurs on developing panicles/earheads wherein grains are turned to greenish velvety smut balls containing fungal spores are orange initially later turned to greenish black.
3	Details of technologies selected for assessment/refinement	Technological Option 01 : Farmer practices (seed treatment with carbendazim @ 2 g/kg seeds) Technological Option 02 : Seed treatment with tricyclazole 75 WP @ 2 g/kg seeds followed by two spray of Propiconazole 25 EC@2 ml./lt of water at the time of emergence of panicle and second spray at panicle completely emerged Technological Option 03: Two spray of Chalorthalonil 75 WP @ 2 gm /lt of water at the time of emergence of panicle and second spray at panicle completely emerged
4	Source of Technology	Directorate of Rice Research, Hyderabad
5	Production system and thematic area	Rice-Wheat Integrated Disease Management
6	Performance of the Technology with performance indicators	The Propiconazole and Chalorthalonil reduced false smut incidence and increase yield significantly
7	Final recommendation for micro level situation	The Propiconazole and Chalorthalonil insecticides can be recommended to manage false smut in paddy.
8	Constraints identified and feedback for research	Assessment of other molecules to manage false smut
9	Process of farmers participation and their reaction	Actively participated with adoption of the technology

Table:

Technology option	No. of trials	Disease incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
TO1: Farmer practices	10	24.6	39.8	28500	56118	27618	1:1.97
TO2	10	3.2	43.0	29500	60630	31130	1:2.06
TO3	10	7.6	41.9	29500	59079	29579	1:2.00

Results: -

Results revealed that the paddy field treated with Seed treatment with tricyclazole followed by two spray of Propiconazole were recorded highest yield (43.0 q/ha) and cost benefit ratio (2.06) followed by plots treated by Two spray of Chalorthalonil where the yield recorded as 41.9 q/ha and cost benefit ratio (2.00). Whereas the plots treated by farmer practices recorded lowest yield (39.8 q/ha) and cost benefit ratio (1.97). The observation on false smut incidence was recorded lowest (3.2%) in treated plots with propiconazole followed by chalorthalonil (7.6%) and farmer practices (24.6%).

Therefore it can be concluded that Seed treatment with tricyclazole 75 WP @ 2 g/kg seeds followed by two spray of Propiconazole 25 EC@2 ml./lt of water at the time of emergence of panicle and second spray at panicle completely emerged can be recommended to manage false smut in paddy.

OFT-2 Entomology

1.	Title of On farm Trial	Management of Gandhi bug in paddy, 2 nd year
2.	Problem diagnose	The adults and nymphs of Gandhi bug suck the milk from developing grains in the early stage of grain formation, resulting some empty or ill-formed grains in the panicles.
3.	Details of technologies selected for assessment/refinement	Technological Option 01: Farmer practices (Chalorpyrifos 20 EC @ 1000 ml/ha) Technological Option 02 : Clothianidin 50 WDG @ 20 gm a.i./ha Technological Option 03 : Thiamethoxam 25 WG @30 gm a.i./ha
4.	Source of Technology	Directorate of Rice Research, Hyderabad
5.	Production system and thematic area	Rice-Wheat Integrated Pest Management
6.	Performance of the Technology with performance indicators	The Clothianidin and Thiamethoxam reduced Gandhi bug incidence and increase yield significantly
7.	Final recommendation for micro level situation	The Clothianidin and Thiamethoxam insecticides can be recommended to manage Gandhi bug in paddy.
8.	Constraints identified and feedback for research	Assessment of other molecules to manage gandhi bug
9.	Process of farmers participation and their reaction	Actively participated with adoption of the technology

Table:

Technology option	No. of trials	No.of nymph &adult/hill	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio

TO1:Farmer practices (Chlorpyrifos 20 EC @ 1000 ml/ha)	10	7.73	41.0	28600	57810	29210	1:2.02
TO2: Clothianidin 50 WDG @ 20 gm a.i./ha	10	3.23	43.6	29500	61476	31976	1:2.08
TO3: Thiamethoxam 25 WG @30 gm a.i./ha	10	4.70	42.9	29500	60489	30989	1:2.05

Results: -

Results revealed that the paddy field sprayed by Clothianidin were recorded highest yield (43.6 q/ha) and cost benefit ratio (2.08) followed by plots treated by Thiamethoxam, the yield recorded as 42.9 q/ha and cost benefit ratio (2.05). Whereas the plots treated by farmer practices recorded lowest yield (41.0 q/ha) and cost benefit ratio (2.02). The observation on Gandhi bug incidence was recorded lowest 3.23 nymph&adult/hill in treated plots with clothianidin followed by Thiamethoxam (4.70 nymph&adult/hill) and farmer practices (7.73 nymph&adult/hill).

Therefore it can be concluded that the clothianidin and Thiamethoxam reduced Gandhi bug incidence and increase yield significantly. The clothianidin and Thiamethoxam insecticides can be recommended to manage Gandhi bug in paddy.

OFT-3 Entomology - Crop Standing

Title of On farm Trial	Management of fruit and shoot borer, <i>Earias vitella</i> (Fab.) in bhindi, 2 nd year
Problem diagnose	Fruit and shoot borer, <i>Earias vitella</i> (Fab.) is a major insect pest of okra , which cause 8-73% fruit infestation depending upon the season.
Details of technologies selected for assessment/refinement	Technological Option 01: Farmer practices (Malathion 50EC @ 750 gm a.i. /ha) Technological Option 02 : Chlorantranilprole 18.5% SC @ 25 gm a.i./ha Technological Option 03 : Eamectin benzoate 5 % SG @8 gm a.i./ha
Source of Technology	Indian Institute of Vegetable Research, Varanasi
Production system and thematic area	Rice-Potato-bhendi Integrated Pest Management
Performance of the Technology with performance indicators	Crop Standing
Final recommendation for micro level situation	Crop Standing
Constraints identified and feedback for research	Crop Standing

Process of farmers participation and their reaction	Crop Standing
---	---------------

No. of trial: 10

Agronomy

OFT: 1.

1.	Title of On Farm Trial	Evaluation of performance of drought tolerant varieties of paddy.
2.	Problem diagnosed	Low yield due to less availability of water
3	Details of technologies selected for assessment/refinement	Technological Option 1 (Farmers Practice): Local variety (Panna Mahsuri) Technological Option 2: Sahbhagi Technological Option 3: Abhishek Technological Option 4: Sabour Ardhjal Technological Option 5: Shusk Samrat
4	Source of Technology	BAU, Sabour.
5	Production system and thematic area	Crop production
6	Performance of the technology with performance indicators	Mentioned in table No. 1 below
7	Final recommendation for micro level situation	Cultivars Sabour Ardhjal, Abhishek and Sahbhagi can be recommended in Jehanabad district under rainfed upland microfarming situation.
8	Constraints identified and feedback for research	New cultivars may be tested.
9	Process of farmer participation and their reaction	Active participation of farmers and adoption of technology.

Table No. 1.

Technology option	No. of trials	Yield component			Yield (q/ha)	Cost of cultivation Rs./ha	Gross Return	Net return	BC Ratio
		No. of tillers per m ²	Panicle length(cm)	No. of grains/panicle					
TO1: Farmer Practice(Panna Mahsuri)	10	1055	21.4	175	36.8	28500	51888	23088	1.80
TO2: Sahbhagi	10	1124	22	181	41.88	28800	59050	30250	2.05

TO3: Abhishek	10	1140	21.64	176	40.9	28800	57669	28869	2.00
TO4: Sabour Ardhahal	10	1170	22.46	194	44.3	28800	62463	33663	2.16
TO5: Shusk Samrat	10	1196	21.20	168	38.53	28800	54327	25527	1.88

Result: Results reveal that the paddy var. Sabour Ardhahal produce highest yield 44.3 q/ha with highest B:C ratio (1:2.16) followed by Sahbhgi 41.88 q/ha, B:C ratio(1:2.05), Abhishek 40.9 q/ha with B:C ratio (1:2) and var. Shusk Samrat with yield of 38.53 q/ha and B:C ratio of (1:1.88). therefore, it can be concluded that the varieties Sabour Ardhahal, Sahbagi, Abhishek and Shusk Samrat can be recommended in Jehanabad district of Bihar under rainfed upland situation.

OFT: 2

1.	Title of On Farm Trial	To reduce the terminal heat effect in wheat.
2.	Problem diagnosed	Low yield as a result of terminal heat stress in wheat
3	Details of technologies selected for assessment/refinement.	Technological Option 1(Farmers Practice) : Irrigating the crop as and when required in month of March Technological Option 2: Foliar application of potassium nitrate (KNO ₃)@ 0.5% at flag leaf emergence stage Technological Option 3: Planting of sunflower rows in E-W direction at 10 feet distance Technological Option 4: Planting of sunflower rows in N-S direction at 10 feet distance
4	Source of Technology	Punjab Agricultural University, Ludhiyana
5	Production system and thematic area	ICM
6	Performance of the technology with performance indicators	Mentioned in Table 2 below
7	Final recommendation for micro level situation	:Foliar application of potassium nitrate (KNO ₃)@ 0.5% at flag leaf emergence stage
8	Constraints identified and feedback for research	New technology may be tested
9	Process of farmer participation and their	Active participation of farmers being observed.

	reaction	
--	----------	--

Table: 2

Technology option	N o. of trials	Yield component			Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of effective tillers/ m ²	No. of grains per ear head	Test wt. (1000 grain wt.)					
TO1: Farmer Practice: Irrigating the crop as and when required in month of March	10	362	69.40	37	29.5	27500	44988	17488	1.63
TO2:Foliar application of potassium nitrate (KNO ₃)@ 0.5% at flag leaf emergence stage	10	387	68	37.78	31	28300	47275	18975	1.67
TO3:Planting of sunflower rows in E-W direction at 10 feet distance	10	380	65.67	37.08	30.2	28000	46555	18225	1.66
TO4:Planting of sunflower rows in N-S direction at 10 feet distance	10	376	66.70	37.02	30	28000	46250	18250	1.65

Results:

The On Farm Trial conducted at farmers field in Jehanabad district to investigate the effect of terminal heat stress in late sown wheat. The result reveals that the Technological Option 2 (Foliar application of potassium nitrate (KNO₃)@ 0.5% at flag leaf emergence stage) produced highest grain yield as 31 q/ha with highest B:C ratio (1:1.67) followed by Technological Option 3, (Planting of sunflower rows in E-W direction at 10 feet distance) yield 30.2 q/ha , B:C ratio (1:1.66). In the Technological Option 4,(Planting of sunflower rows in N-S direction at 10 feet

distance) yielded 30 q/ha with B:C ratio (1:1.65) whereas lowest grain yield recorded 29.5 q/ha and B:C ratio (1:1.63) from farmers practice plot. It can be concluded that the TO2 , TO3 are marginally producing higher yield over farmers practice plot. The Technological Option 2 (Foliar application of potassium nitrate (KNO₃)@ 0.5% at flag leaf emergence stage) can be recommended to minimize the effect of terminal heat stress in wheat.

OFT: 3

1.	Title of On Farm Trial	Evaluation of different herbicides to control cuscute in lentil.
2.	Problem diagnosed	Low yield of lentil due to infestation of cuscute
3	Details of technologies selected for assessment/refinement.	Technological Option 1: Farmers Practice: No control measure Technological Option 2: Pendimethalin 30 EC @ 3.3 L/ha Technological Option 3: Imazethypr 40 g a.i. /ha Technological Option 4: Pendimethalin 30 EC @ 3.3 L/ha followed by Emazethapyr 30 g a.i. /ha.
4	Source of Technology	BAU, Sabour
5	Production system and thematic area	Weed management
6	Performance of the technology with performance indicators	Mentioned in Table 3 below
7	Final recommendation for micro level situation	Pendimethalin as well as Imazethypr alone can reduce the weed problems in lentil production.
8	Constraints identified and feedback for research	New molecules may be tested for weeds in lentil
9	Process of farmer participation and their reaction	Active participation of farmers observed.

Table: 3

Technology option	No. of trials	Yield component			Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of branches per plant	No. of grains per pod	Test wt. (1000 grain wt.) gm					

Tech. Option1 – No control measures	10	8.3	1.62	18.43	12	16000	62150	46150	1:3.88
Tech. Option 2: Pendimethalin 30 EC @ 3.3 L/ha	10	12.06	1.80	21.0	15.2	17500	83600	66100	1:4.77
Tech.Option 3: Imazathyr 40 g a.i. /ha	10	9.87	1.69	19.34	14.5	17000	79750	62750	1:4.69
Tech. option 4: Pendimethalin 30 EC @ 3.3 L/ha followed by Imazathapyr 30 g a.i. /ha.	10	11.32	1.72	20.37	16	18500	88000	69500	1:4.76

Result: On Farm Trial was conducted at farmers field in Jehanabad district of Bihar to investigate the on control of weeds in lentil crop production. The results reveal that TO4 (Application of Pendimethalin 30 EC @ 3.3 L/ha followed by Emazathapyr 30 g a.i. /ha.) gave highest yield 16 q/ha with a B:C ratio of (1:4.76) followed by TO2 (i.e application of Pendimethalin 30 EC @ 3.3 L/ha) 15.2 q/ha with B:C ratio of (1:4.77) and TO 3(i.e application of Imazathyr 40 g a.i. /ha) 14.5 q/ha with B:C ratio of (1:4.69) while Farmers Practice plot was recorded with the lowest yield 11.3 q/ha with lowest B:C ratio (1:3.88). Therefore it can be concluded that TO2, TO3 and TO4 can be recommended to reduce weed occurrence in lentil in Jehanabad district.

OFT: 4.

1.	Title of On Farm Trial	Evaluation of performance of late sown varieties of wheat
2.	Problem diagnosed	Low yield due to late sowing of wheat
3	Details of technologies selected for assessment/refinement	Technological Option 1 (Farmers Practice) : Local variety (Kedar) Technological Option 2: HD 2985 Technological Option 3: HD 3059 Technological Option 4: Sabour Shrestha
4	Source of Technology	BAU, Sabour.
5	Production system and thematic area	Crop production
6	Performance of the technology	Mentioned in Table No. 4 below

	with performance indicators	
7	Final recommendation for micro level situation	Wheat var. HD2985 and Sabour Shrestha is recommended for cultivation in Jehanabad district
8	Constraints identified and feedback for research	New cultivars may be tested.
9	Process of farmer participation and their reaction	Active participation of farmers and adoption of technology.

Table No. 4.

Technology option	No. of trials	Yield component			Yield (q/ha)	Cost of cultivation Rs./ha	Gross Return	Net return	BC Ratio
		No. of tillers per m row	No. of ear heads per m ²	1000 Grain weight (in gram)					
TO1(Farmer Practice): Local variety (Kedar)	10	64.10	296	36.5	32	27800	48800	21000	1:1.75
TO2 : HD 2985	10	71.36	317	38	34.5	27800	52612	24812	1:1.89
TO3: HD 3059	10	68.67	305	37.8	32.8	27800	50020	22220	1:1.79
TO4: Sabour Shreshtha	10	72.34	335	37.08	33.2	27800	50630	22830	1:1.82

Result:

The On Farm Trial was conducted at farmers field in Jehanabad district. The results reveal that among different wheat varieties HD 2985 produced highest yield 34.5 q/ha with B:C ratio of (1:1.89) followed by Sabour Shrestha 33.2 q/ha with B:C ratio of (1:1.85). Wheat var. HD 3059 produced 32.8 q/ha with B:C ratio (1:1.79) and farmers practice cultivar gave yield of 32 q/ha with lowest B:C ratio (1:1.75). On the basis of above data, it can be concluded that wheat cultivars HD 2985, HD 3059 and Sabour Shrestha produced marginally higher quantity of grain over farmers practice variety Kedar. Hence, it can be recommended that the wheat cultivar HD2985 and Sabour Shrestha can be recommended for cultivation in Jehanabad district.

OFT: 5.

1.	Title of On Farm Trial	Evaluation of performance of short and medium duration varieties of finger millet.
----	------------------------	--

2.	Problem diagnosed	Low yield of finger millet
3	Details of technologies selected for assessment/refinement	Early maturing varieties Medium maturity Technological Option 1: RAU3 Technological Option 2: GPU45 Technological Option 3: VL 352 Technological Option 4: GPU67 Technological Option 5: RAU 8
4	Source of Technology	BAU, Sabour.
5	Production system and thematic area	Crop production
6	Performance of the technology with performance indicators	Mentioned in Table No. 5 below.
7	Final recommendation for micro level situation	Cultivars with medium duration may be recommended for cultivation in Jehanabad district.
8	Constraints identified and feedback for research	New cultivars may be tested.
9	Process of farmer participation and their reaction	Active participation of farmers and adoption of technology.

Table No. 5.

Technology option	No. of trials	Yield component			Yield (q/ha)	Cost of cultivation Rs./ha	Gross Return	Net return	BC Ratio
		No. of tillers per plant	Length of ear (cm)	Test wt. (1000grain wt.) gm					
TO1: RAU3	10	3	5.5	2.74	7.4	12000	29000	17000	2.46
TO2: GPU45	10	5	8	2.8	7.9	12000	31600	19600	2.63
TO3: VL352	10	4	7	2.85	7.6	12000	30400	18400	2.53
TO4: GPU67	10	6	9	2.9	8.7	12000	34800	22800	2.9
TO5: RAU 8	10	6	8	2.8	8.2	12000	32800	20800	2.73

Result: The On Farm Trial was conducted at farmer's field in Jehanabad district on evaluation of performance of short and medium maturity varieties of finger millet. It is observed that the finger millet variety GPU67 produced higher yield 8.7q/ha with more B:C ratio 1:2.9 than var. RAU 8 with yield of 8.2q/ha and B:C ratio 1:2.73 (among Medium maturity vars.).

Among early maturing varieties, Variety GPU45 produced highest yield of 7.9q/ha with B:C ratio 1:2.63, followed by var. VL 352 with yield of 7.6 q/ha and B:C ratio 1:2.53. Whereas, var. RAU3 produced 7.4q/ with B:C ratio 1:2.46. From the above data, it can be concluded that variety GPU67 from medium maturing vars. and GPU45 among early maturing varieties produced higher yield with higher B:C ratios among all the cultivars tested respectively. Therefore, these vars can be recommended to grow in Jehanabad district of Bihar.

OFT (Agril. Engg.) 2015-16

1.	Title of On farm Trial	Effect of applying different levels of measured quantity of water for wheat irrigation, 2 nd year
2.	Problem diagnose	Applying excess water in wheat irrigation without any measurement causes its wastage which results less water productivity
3.	Details of technologies selected for assessment/refinement	TO-1: Irrigation on eye experience basis (Farmer's practice) TO-2: Applying measured quantity of water for 5 cm irrigation. TO-3: Applying measured quantity of water for 6 cm irrigation.
4.	Source of Technology	RAU, Pusa.
5.	Production system and thematic area	Rice-Wheat Thematic Area- Water conservation.
6.	Performance of the Technology with performance indicators	Pump flow rate (liter/s), Vol. of water in each irrigation (liter), Time in irrigation (hr), Water saving, Yield
7.	Final recommendation for micro level situation	Applying 6 cm irrigation in wheat yielded 15.31 % more with 1.92 as B:C ratio and saving of 16.94 % water than farmers practice.
8.	Constraints identified and feedback for research	-
9.	Process of farmers participation and their reaction	Active Participation by farmers

Table:

Technology option	No. of trials	Performance Parameters			Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Time taken in irrigation (hr/ha)	Water saving (lit/ha)	No. of Irrigation					
TO-1: Irrigation on eye experience basis (Farmer's practice)	6	27.03	-	3	31.5	26000	48038	22038	1.84
TO-2: Applying	6	18.75	2,20,00	3	32.8	26800	50020	23220	1.87

measured quantity of water for 5 cm irrigation.			0 (30.55%)						
TO-3: Applying measured quantity of water for 6 cm irrigation.	6	22.50	1,22,000 (16.94%)	3	33.9	26900	51698	24798	1.92

Results: Result tells that treatment in which 6 cm irrigation water applied (TO-3) yielded 15.31 % more wheat with 1.92 as B:C ratio and 16.94 % water saving in comparison to farmers practice (TO-1).

OFT 2. Agril Engg.

1.	Title of On farm Trial	Assessment of Perforated plastic pipe as irrigation interval indicator for dry and wet method of irrigation in paddy
2.	Problem diagnose	Excess water requirement due to continuous ponding in paddy cultivation
3.	Details of technologies selected for assessment/refinement	TO-1: Continuous water ponding (Farmer's practice) TO-2: Applying irrigation by alternate wet and dry method TO-3: Applying irrigation by using perforated plastic pipe indicator
4.	Source of Technology	DRR, Hyderabad/IRRI
5.	Production system and thematic area	Rice-Wheat Thematic Area- Water conservation.
6.	Performance of the Technology with performance indicators	Water level in perforated plastic pipe, No. of irrigations, Irrigation interval, Water saving, Yield
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	-
9.	Process of farmers participation and their reaction	Active Participation by farmers

Table:

Technology option	No. of trials	Performance Parameters			Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Water level in perforated	No. of Irrigation	Irrigation interval (day)					

		pipe		s)	c mete r/ha)					
Continuous water ponding (Farmer's practice)	6	-	10	5	-	36.8	27000	5188 8	2488 8	1.92
Applying irrigation by alternate wet and dry method (when water level is 5 cm below soil surface)	6	5 cm below soil surface	8	6	1000 (20 %)	37.2	27150	5245 2	2530 2	1.93
Applying irrigation by using perforated plastic pipe indicator (when water level is 15 cm below soil surface)	6	15 cm below soil surface	7	7	1500 (30 %)	36.9	27150	5202 9	2487 9	1.91

Results: It has been observed that TO-3 (Irrigation when water level in the field is 15 cm below soil surface) resulted 30 % water saving and yield at par with slightly reduced B:C ratio as 1.91 as compared to farmers practice (TO-1) with B:C ratio as 1.92.

OFT-1: Animal Science

1.	Title of On farm Trial	Assessment of herbal drug in Anoestrus cattle.
2.	Problem diagnose	Infertility& low milk production
3.	Details of technologies selected for assessment/refinement	TO-1: Ashok leafs(10-15ml)+ Maithi (250gm)/ Bamboo tubes (Farmers Practice) TO-2:. Mineral mixture (40-50g/day for one month) + F TO-3: Ovumin Kit(2 boli daily for 10 days) + Fenbendazole (3g) (Single dose) orally enbendazole (3g) (Single dose) orally TO-4: IV. Prajana capsules (3 capsule daily for 10 day) + Uterotone bolus.(one bolus daily for 7 days) orally.
4.	Source of Technology	R.V.C Kanke, Ranchi.
5.	Production system and thematic area	Calf's & Diseases management
6.	Performance of the Technology with performance indicators	Heat period ,Conception rate and Milk production
7.	Final recommendation for micro level situation	Failure of Oestrous & conception rate due to Nutritional & Hormonal problem of cattle.
8.	Constraints identified and feedback for research	Cystic and smooth ovary
9.	Process of farmers participation and their reaction	Treatment process is used in farmers house & Best reaction after normal cost of treatment.

Table:

Technology option	No. of trials	Yield component after treatment			Disease / incidence (%)	Avg. Milk Yield (litter/cow)	Gross Cost of drugs (Rs./cow)	Gross return (Rs@25/lit/cow)	Net return (Rs.)	B C ratio
		Occurrences of heat	Heat period (Agr.hrs)	No. of Conceived (%)						
TO-1: Ashok leafs(10-15ml)+ Methi (250gm)/ Bamboo tubes (Farmers Practice)	5	2	20.5	1 (20%)	20-30%	6.2	36400	46500	10100	1.2
TO-2: Mineral mixture (40-50g/day for one month) + Fenbendazole (3g) (Single dose) orally	5	4	19	2 (40%)		7.8	36530	58500	21970	1.6
TO-3: Ovumin Kit(2 boli daily for 10 days) + Fenbendazole (3g) (Single dose) orally (Herbal drug)	5	4	21	3 (60%)		7.6	36575	57000	20425	1.5
TO-4: IV. Prajana capsules (3 capsule daily for 10 day) + Uterotone bolus.(one bolus daily for 7 days) orally. (Herbal drug)	5	4	20	4 (80%)		8.2	36630	61500	24870	1.6

Results: The occurrence of oestrus cycle and conception rate was found to be 80 % as compared to the farmer practice 20% and B:C ratio 1.6 .

Note: *Milk @25/liter/cow

* Gross cost of Cross bred Cow @35,000/cow

OFT-2

1.	Title of On farm Trial	Control of prolapse of uterus during pre and post parturition in Buffaloes
2.	Problem diagnose	Prolapse of uterus , Uterine infection, infertility and low milk production
3.	Details of technologies selected for assessment/refinement	
4.	Source of Technology	B.V.C . Patna
5.	Production system and thematic area	Normal parturition of Calf & Diseases management
6.	Performance of the Technology with performance indicators	Condition of parturition, Expulsion of placenta and Milk production
7.	Final recommendation for micro level situation	Supplementation of Phosphorus & Mineral mixture increased normal parturition and maintained reproductive system in cattle
8.	Constraints identified and feedback for research	Prolapse of uterus and uterine infection
9.	Process of farmers participation and their reaction	Treatment process is used in farmers house & Best reaction after normal cost of treatment.

Table:

Technology option	No. of trials	Prolapse occur during months of pregnancy (Months)	Yield component after treatment			Disease/ incidence (%)	Avg. Milk Yield (litter/Buf f)	Gross Cost of drugs (Rs./Buf f.)	Gross return (Rs@35/ lit/Buf f)	Net return (Rs.)	B C ratio
			Parturition (normal/ Abnormal	Avg. Time Expulsion of placenta (hrs)	Milk production (Lit)						
TO-1: Normal Feeding (Wheat/Paddy/cake/concentrate/green grass) at the time of pregnancy (Farmers Practice)	5	7-8	2 / 3	Along with foetus	3.5	20-30%	3.5	40675	36750	3925	0.9
TO-2: TO1 +Inophosh bolus (two bolus daily for 15 day) +Mineral mixture(Agrimin forte :40g daily for 15 days orally)	5	8-9	5 normal	9.4	7.5		7.5	40839	78750	37236	1.9
TO-3: TO1+ Calcium liquid(50 ml daily for 15 days orally) + Mineral mixture(Metho Chelated GRPforte: 40g daily for 15 days orally)	5	8-9	3 / 2	10	5.7		5.7	41067	59850	18783	1.4

Results: After treatment Inophosh bolus &Mineral mixture (Agrimin forte) along with normal feeds for 15 days the results was found to be normal parturition , expulsion of placenta and milk production of Buffaloes and B:C ratio 1.9.

Note: *Milk @30/liter/Buffaloes

* Cross bred Cow @40,000/ Buffaloe

3.2 Achievements of Frontline Demonstrations

A. Details of FLDs conducted during 2015-16

Cereals

Sl. No.	Crop	Thematic area	Technology Demonstrated with detailed treatments	Area (ha)		No. of farmers/ Demonstration			Reasons for shortfall in achievement
				Proposed	Actual	SC/ST	Others	Total	Crop status
1.	Raddish (Japani Safed)	Vegetable seed Production	High yielding variety	3.1	3.1	12	34	46	
2.	Pea (Azad P1)	Vegetable seed Production	High yielding variety	1.0	1.0	9	41	50	
3	Brinjal (Swarn Syamli)	Vegetable seed Production	High yielding variety	8.3	8.3	15	35	50	
4	Paddy	Crop production	Rajendra Sweta	3	3	2	5	7	
5	Wheat	Crop production	HD-2967 HD-2985	13 11	13 11	4 8	28 30	32 38	

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil (Kg/ha)			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P ₂ O ₅	K ₂ O					
Paddy	Kharif	Irrigated	Old Alluvial Clay				Wheat	15 June 15	5 Nov.15		
Wheat	Rabi	Irrigated	Old Alluvial Loam				Paddy	20 Nov. 15	3 April 16		
Wheat	Rabi	Irrigated	Old Alluvial Loam				Paddy	20 Dec. 15	16April 16		

--	--	--	--	--	--	--	--	--	--	--	--

In both the Tables, information of same crop should be provided. For example, if in Table 3.2A crops are mentioned as a,b,c,d etc., in the table for Details of farming situation, the same crop should be mentioned in the identical sequence.

Performance of FLD

Oilseeds:

Frontline demonstrations on oilseed crops

Crop	Thematic Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Mustard	Crop production	Seed+ PSB (R. Suflam)	28	10	12.2	10.8	12.96	15700	51240 (@Rs4200/qt)	35540	3.26	15450	45630	30180	2.95
Total															

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

Pulses

Frontline demonstration on pulse crops

Crop	Thematic Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Lentil	Crop production	Seed + Rhizobium (HUL-57)	60	24	11.8	9.5	24.21	17000	64900 (@ 5500 Rs./qt.)	47900	3.81	16800	52250	35450	3.11

Chickpea	Crop production	Seed + Rhizobium (GNG 1581)	50	20	14.5	11.0	31.8	19700	72500 (@ 5000 Rs./qt)	52800	3.68	19500	55000	35500	2.86
Fieldpea	Crop production	Seed + Rhizobium (Prakash)	50	20	13.8	11.4	21.05	19000	48300(@ Rs.3500/qt)	29300	2.54	18800	39900	21100	2.12
	Total														

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

Other crops

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Raddish (Japani Safed)	Vegetable seed Production	High yielding variety	46	3.1	190	145	31			38000	114000	76000	1:3	35000	87000	52000	1:2.48
Pea (Azad P1)	Vegetable seed Production	High yielding variety	50	1.0	105.2	78.0	34.8			35000	157800	122800	1:4.51	33000	93600	60600	1:2.84
Brinjal (Swarn Syamli)	Vegetable seed Production	High yielding variety	50	8.3	430	310	38.7			85000	301000	206000	1:3.54	80000	217000	127000	1:2.71
Paddy	Yield Increment	Rajendra Sweta	07	03	38	35.5	07	-	-	28500	53580	25080	1:1.88	28500	50055	21555	1:1.76
Wheat	Yield Increment	HD 2967	32	13	32.5	31	4.8	-	-	27800	49563	21763	1:1.78	27500	47275	19775	1:1.72
Wheat	Yield Increment	HD 2985	38	11	29.5	28	5.35	-	-	27800	44988	17188	1:1.62	27500	42700	15200	1:1.55
	Total																

Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Dairy	Fodder management	a. Sorghum fodder grass production for milk production	20	70	12.32	10.76	1.56	480	380	52100	92400	40300	1.7	48500	80700	32200	1.6
		b. Maize	7	9	10.5	9.2	1.3	560	470	53900	78750	24850	1.46	48500	69000	20500	1.42
		c. Jai	18	70	11.20	9.62	1.58	540	452	53900	84000	30100	1.5	48500	72150	23650	1.4
		d. Berseem	4	10	10.80	9.2	1.6	580	460	53900	81000	27100	1.5	48500	69000	20500	1.4
		e . H. Napier	25	430	9.4	8.9	0.5	345	New introduced	50300	70500	20200	1.4	48500	66750	18250	1.3
Cow																	
Buffalo																	
Poultry	Poultry management	Vanraja& Grampriya Poultry farming for dual purpose (meat & Egg production)	68	750	continue												
Rabbitry																	
Pigerry																	
Sheep and goat	Diseases management	Control of PPR in goats	98	323	20% Mortality	80% Mortality	60%	-	-								
Duckery																	
Others (pl.specify)																	
Total																	

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

Fisheries

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Common carps																	
Mussels																	
Ornamental fishes																	
Others (pl.specify)																	
	Total																

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

Other enterprises

Category	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.) or Rs./unit				*Economics of check (Rs.) or Rs./unit			
				Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Oyster mushroom	Enterprise development															
Button mushroom																
Vermicompost																
Sericulture																
Apiculture																
Others (pl.specify)																
	Total															

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

Women empowerment

Category	Name of technology	No. of demonstrations	Observations	Remarks
----------	--------------------	-----------------------	--------------	---------

			Demonstration	Check	
Farm Women					
Pregnant women					
Adolescent Girl					
Other women					
Children					
Neonatal					
Infants					

Farm implements and machinery

Name of the implement	Crop	Name of the technology demonstrated	No. of Farmer	Area (ha)	Filed observation (output/man hour)		% change in major parameter	Labor reduction (man days)				Cost reduction (Rs./ha or Rs./Unit)			
					Demons ration	Check									
Zero Till Drill	Wheat	Wheat sowing by Zero tillage technology	11	6	34.2	31.5	7.9	3				2200			

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

Demonstration details on crop hybrids

Crop	Name of the Hybrid	No. of farmers	Area (ha)	Yield (kg/ha) / major parameter			Economics (Rs./ha)			
				Demo	Local check	% change	Gross Cost	Gross Return	Net Return	BCR
Cereals										
Bajra										
Maize										
Paddy										
Sorghum										
Wheat										
Others (pl.specify)										

Total										
Oilseeds										
Castor										
Mustard										
Safflower										
Sesame										
Sunflower										
Groundnut										
Soybean										
Others (pl.specify)										
Total										
Pulses										
Greengram										
Blackgram										
Bengalgram										
Redgram										
Others (pl.specify)										
Total										
Vegetable crops										
Bottle gourd										
Capsicum										
Cucumber										
Tomato										
Brinjal										
Okra										
Onion										
Potato										
Field bean										
Others (pl.specify)										
Total										
Commercial crops										
Cotton										

Coconut										
Others (pl.specify)										
Total										
Fodder crops										
Napier (Fodder)										
Maize (Fodder)										
Sorghum (Fodder)										
Others (pl.specify)										
Total										

Extension and Training activities under FLD

3.3 Achievements on Training (Including the sponsored and FLD training programmes):

A) Farmers and farm women (on campus)

[illegible]

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)													
Training and Pruning													
b) Fruits													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others, if any													
III. Soil Health and Fertility Management													
Soil fertility management													
Soil and Water Conservation													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
IV. Livestock Production and Management													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST			M	F	T
		M	F	T	M	F	T	M	F	T			
Dairy Management													
Poultry Management	1	18	3	21	0	21	21	0	0	0	29	21	50
Piggery Management													
Rabbit Management													
Disease Management	1	7	2	9	8	8	16	0	0	0	15	10	25
Feed management	2	38	2	40	6	0	6	0	0	0	44	2	46
Production of quality animal products													
Others, if any AI technique	1	19	0	19	2	0	2	0	0	0	21	0	21
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	1	9	4	13	5	4	9	0	0	0	14	8	22
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs	1	168	121	289	40	104	144	0	0	0	208	225	433
Storage loss minimization techniques	1	7	2	9	4	4	8	0	0	0	11	6	17
Enterprise development													
Value addition	1	28	2	30	18	5	23	0	0	0	46	7	53
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction technologies	1	19	2	21	4	6	10	0	0	0	23	8	31
Rural Crafts													
Capacity building													
Women and child care													
Others, if any													
VI. Agril. Engineering													
Installation and maintenance of micro irrigation systems	2	194	129	323	60	114	174	0	0	0	254	243	497
Water Conservation	1	20	1	21	5	1	6	0	0	0	25	2	27
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others, if any (Agri Energy Conservation)	1	19	2	21	4	6	10	0	0	0	23	8	31
VII. Plant Protection													
Integrated Pest Management	4	107	27	134	30	12	14	0	0	0	137	39	176
Integrated Disease Management	3	126	8	134	19	4	23	0	0	0	145	12	157
Bio-control of pests and diseases	1	22	5	27	6	3	9	0	0	0	28	8	36
Production of bio control agents and bio pesticides	1	61	0	61	12	0	12	0	0	0	73	0	73
Others, if any													
VIII. Fisheries													
Integrated fish farming	1	19	0	19	0	0	0	0	0	0	19	0	19
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others, if any													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
XII. Others (Pl. Specify)													
TOTAL	28	1019	332	1351	252	0	530	0	0	0	1282	635	1917

V. Rural Youth (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production													
Bee-keeping	3	100	0	100	20	0	20	0	0	0	120	0	120
Integrated farming													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST			M	F	T
		M	F	T	M	F	T	M	F	T			
Seed production		51	7	66	11	9	20	0	0	0	58	0	86
Production of organic inputs	2	38	11	49	2	9	11	0	0	0	40	21	61
Production and management technology (Aromatic & medicinal plants)	2	49	5	54	10	0	10	0	0	0	59	5	64
Integrated Farming													
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements	4	95	3	98	23	2	25	0	0	0	118	5	123
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition													
Production of quality animal products													
Dairying	2	34	5	39	3	3	6	0	0	0	37	8	45
Sheep and goat rearing	1	25	6	31	3	5	8	0	0	0	28	11	39
Quail farming													
Piggery	1	0	0	0	10	8	18	0	0	0	10	8	18
Rabbit farming													
Poultry production	1	19	0	19	0	8	0	0	0	0	19	8	27
Ornamental fisheries													
Enterprise development	2	28	8	36	7	14	21	0	0	0	35	22	57
Para vets (AI Techniques)	1	30	2	32	3	0	3	0	0	0	33	2	35
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Mushroom Production	3	35	18	53	13	6	19	0	0	0	48	24	72
Small scale processing													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
TOTAL	22	504	65	577	105	64	161	0	0	0	605	114	747

C) Extension Personnel (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Value addition													
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals (Poultry Management)	1												23
Livestock feed and fodder production	1	19	9	38	2	0	2	0	0	0	21	9	30
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
TOTAL	2	19	9	38	2	0	2	0	0	0	21	9	53

D) Farmers and farm women (off campus)

Thematic Area	No. of Courses	No. of Participants			Grand Total
		Other	SC	ST	

		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	1	21	0	21	3	0	3	0	0	0	24	0	24
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management													
Seed production													
Nursery management													
Integrated Crop Management	1	59	6	65	15	0	15	0	0	0	74	6	80
Fodder production													
Production of organic inputs	2	97	25	122	22	15	37	0	0	0	119	40	159
Others, (cultivation of crops)	5	124	5	129	10	5	15	0	0	0	134	10	144
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)													
Training and Pruning													
b) Fruits													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
e) Tuber crops													
Production and Management technology													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST			M	F	T
		M	F	T	M	F	T	M	F	T			
Processing and value addition													
Others, if any													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others, if any													
III. Soil Health and Fertility Management													
Soil fertility management													
Soil and Water Conservation													
Integrated Nutrient Management	1	29	0	29	5	0	5	0	0	0	34	0	34
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing	3	62	5	67	6	4	10	0	0	0	68	9	77
Others, if any													
IV. Livestock Production and Management													
Dairy Management	2	46	1	47	3	1	4	0	0	0	49	2	51
Poultry Management	3	51	6	64	10	0	10	0	0	0	68	6	74
Piggery Management	2	0	0	0	39	6	45	0	0	0	39	6	45
Rabbit Management													
Disease Management	8	138	0	138	16	3	19	0	0	0	154	3	157
Feed management	8	241	6	247	28	0	28	0	0	0	269	6	275
Production of quality animal products													
Others, if any Goat farming	2	42	0	42	4	0	4	0	0	0	46	0	46
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	4	78	22	100	74	0	74	0	0	0	152	22	174
Design and development of low/minimum cost diet	1	0	12	12	0	38	38	0	0	0	0	50	50
Designing and development for high nutrient efficiency diet	1	18	1	19	3	0	3	0	0	0	21	1	22
Minimization of nutrient loss in processing	1	29	0	29	7	0	7	0	0	0	36	0	36
Gender mainstreaming through SHGs	2	14	41	55	28	17	45	0	0	0	42	58	100
Storage loss minimization techniques	1	12	0	12	2	0	2	0	0	0	14	0	14
Enterprise development	1	28	0	28	7	0	7	0	0	0	35	0	35
Value addition	6	87	4	91	20	2	22	0	0	0	107	6	113
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction technologies	1	7	6	13	5	11	16	0	0	0	12	17	29
Rural Crafts													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST			M	F	T
		M	F	T	M	F	T	M	F	T			
Capacity building													
Women and child care													
PHT	2	80	2	82	33	4	37	113	6	119	2	80	2
Others, if any (SHG formation)	1	15	2	17	9	6	15	0	0	0	24	8	32
VI. Agril. Engineering													
Installation and maintenance of micro irrigation systems	2	65	6	71	19	4	23	0	0	0	84	10	94
Use of Plastics in farming practices	1	12	0	12	2	0	2	0	0	0	14	0	14
Production of small tools and implements	3	206	1	207	52	0	52	0	0	0	258	1	259
Repair and maintenance of farm machinery and implements	9	242	14	256	64	17	81	0	0	0	306	31	337
Small scale processing and value addition	1	22	0	22	7	0	7	0	0	0	29	0	29
Post Harvest Technology													
Water Conservation	12	299	22	321	89	32	121	0	0	0	388	54	442
Others, if any													
VII. Plant Protection													
Integrated Pest Management	20	1296	94	1390	235	39	270	0	0	0	1531	133	1664
Integrated Disease Management	7	224	14	238	48	10	58	0	0	0	272	24	296
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides	1	30	22	52	31	0	31	0	0	0	61	22	83
Others, if any													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others, if any													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
XII. Others (Pl. Specify)													
TOTAL	114	3653	317	3977	893	214	1103	113	6	119	4442	605	4967

E) RURAL YOUTH (Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production													
Bee-keeping													
Integrated farming													
Seed production													
Production of organic inputs													
Integrated Farming													
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements	3	90	0	90	24	0	24	0	0	0	114	0	114
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition	1	11	8	19	7	3	10	0	0	0	18	11	29
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													

Thematic Area	No. of Course s	No. of Participants									Grand Total		
		Other			SC			ST			M	F	T
		M	F	T	M	F	T	M	F	T			
Rabbit farming													
Poultry production													
Ornamental fisheries													
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing	1	11	0	11	3	0	3	0	0	0	14	0	14
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts	1	11	5	16	5	0	5	0	0	0	16	5	21
Production of organic inputs	1	41	4	45	11	4	15	0	0	0	52	8	60
Others, if any													
TOTAL	7	164	17	181	50	7	57	0	0	0	214	24	238

F) Extension Personnel (Off Campus)

Thematic Area	No. of Course s	No. of Participants									Grand Total		
		Other			SC			ST			M	F	T
		M	F	T	M	F	T	M	F	T			
Productivity enhancement in field crops (Weed management)	2	94	10	104	26	4	30	0	0	0	120	14	134
Integrated Pest Management	2	143	9	152	33	8	41	0	0	0	176	17	193
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements	2	50	4	54	4	0	4	0	0	0	54	4	58
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Women and Child care													
Value addition	1	70	5	75	21	4	25	0	0	0	91	9	100
Low cost and nutrient efficient diet designing													
Production and use of organic inputs	1	73	4	77	12	4	16	0	0	0	85	8	93

Thematic Area	No. of Course s	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Gender mainstreaming through SHGs													
Crop intensification													
TOTAL	8	430	32	462	96	20	116	0	0	0	526	52	578

G) Consolidated table (ON and OFF Campus)

i. Farmers & Farm Women

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	1	21	0	21	3	0	3	0	0	0	24	0	24
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management													
Seed production													
Nursery management	1	20	0	20	3	0	3	0	0	0	23	0	23
Integrated Crop Management	1	59	6	65	15	0	15	0	0	0	74	6	80
Fodder production													
Production of organic inputs	2	97	25	122	22	15	37	0	0	0	119	40	159
Others, (cultivation of crops)	8	242	27	269	36	19	55	0	0	0	278	46	324
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)													
Training and Pruning													
b) Fruits													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST			M	F	T
		M	F	T	M	F	T	M	F	T			
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others, if any													
III. Soil Health and Fertility Management													
Soil fertility management													
Soil and Water Conservation													
Integrated Nutrient Management	1	29	0	29	5	0	5	0	0	0	34	0	34
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing	3	62	5	67	6	4	10	0	0	0	68	9	77
Others, if any													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
IV. Livestock Production and Management													
Dairy Management	2	46	1	47	3	1	4	0	0	0	49	2	51
Poultry Management	4	69	9	78	10	21	31	0	0	0	97	27	124
Piggery Management	2	0	0	0	39	6	45	0	0	0	39	6	45
Rabbit Management													
Disease Management	9	145	2	147	14	11	35	0	0	0	172	10	182
Feed management	10	279	8	287	34	0	34	0	0	0	313	8	321
Production of quality animal products													
Others, if any Goat farming	2	42	0	42	4	0	4	0	0	0	46	0	46
Others AI Techniques	1	19	0	19	2	0	2	0	0	0	21	0	21
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	5	87	26	113	79	4	83	0	0	0	166	30	196
Design and development of low/minimum cost diet	1	0	12	12	0	38	38	0	0	0	0	50	50
Designing and development for high nutrient efficiency diet	1	18	1	19	3	0	3	0	0	0	21	1	22
Minimization of nutrient loss in processing	1	29	0	29	7	0	7	0	0	0	36	0	36
Gender mainstreaming through SHGs	3	182	162	344	68	121	189	0	0	0	250	283	533
Storage loss minimization techniques	2	19	2	21	6	4	10	0	0	0	25	6	31
Enterprise development	1	28	0	28	7	0	7	0	0	0	35	0	35
Value addition	7	115	6	121	38	7	45	0	0	0	153	13	166
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction technologies	2	26	8	34	9	17	26	0	0	0	35	25	60
Rural Crafts	1	11	5	16	5	0	5	0	0	0	16	5	21
Post Harvest Technique	2	80	2	82	33	4	37	0	0	0	113	6	119
Capacity building													
Women and child care													
Others, if any	1	15	2	17	9	6	15	0	0	0	24	8	32
VI. Agril. Engineering													
Installation and maintenance of micro irrigation systems	4	259	135	364	79	118	197	0	0	0	338	253	591
Use of Plastics in farming practices	1	12	0	12	2	0	2	0	0	0	14	0	14
Production of small tools and implements	3	206	1	207	52	0	52	0	0	0	258	1	259
Repair and maintenance of farm machinery and implements	9	242	14	256	64	17	81	0	0	0	36	31	337
Small scale processing and value addition	1	22	0	22	7	0	7	0	0	0	29	0	29
Post Harvest Technology													
Water Conservation	13	319	23	342	94	33	127	0	0	0	413	56	469
Energy Conservation in	1	19	2	21	4	6	10	0	0	0	23	8	31

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST			M	F	T
		M	F	T	M	F	T	M	F	T			
Agriculture													
Others, if any													
VII. Plant Protection													
Integrated Pest Management	20	848	147	995	249	131	380				1097	278	1375
Integrated Disease Management	8	214	7	221	54	11	65				268	18	286
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any (Sustainable bee keeping)	3	80	0	80	20	0	20	0	0	0	100	0	100
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond	1	19	0	19	0	0	0	0	0	0	19	0	19
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
X. Capacity Building and Group Dynamics													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others, if any													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
XII. Others (Pl. Specify)													
TOTAL	143	4693	649	5349	1148	214	1636	113	6	119	5748	1240	6908

ii. RURAL YOUTH (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production													
Bee-keeping	3	100	0	100	20	0	20	0	0	0	120	0	120
Integrated farming													
Seed production	2	51	7	66	11	9	20	0	0	0	58	0	86
Production of organic inputs	3	123	19	142	14	13	27	0	0	0	137	33	64
Production and management technology (Aromatic & medicinal plants)	2	49	5	54	10	0	10	0	0	0	59	5	
Integrated Farming													
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements	7	185	3	188	47	2	49	0	0	0	232	5	237
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition	1	0	18	18	0	12	12	0	0	0	0	30	30
Production of quality													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
animal products													
Dairying	2	34	5	39	3	3	6	0	0	0	37	8	45
Sheep and goat rearing	1	25	6	31	3	5	8	0	0	0	28	11	39
Quail farming													
Piggery	1	0	0	0	10	8	18	0	0	0	10	8	18
Rabbit farming													
Poultry production	1	19	0	19	0	8	8	0	0	0	19	0	27
Ornamental fisheries													
Para vets / AI Techniques	1	19	0	19	2	0	2	0	0	0	21	0	21
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing	1	11	0	11	3	0	3	0	0	0	14	0	14
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts	1	11	5	16	5	0	5	0	0	0	16	5	21
Enterprise development													
TOTAL	26	627	68	695	128	60	188	0	0	0	751	105	892

iii. Extension Personnel (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops (Weed management)	2	94	10	104	26	4	30	0	0	0	120	14	134
Integrated Pest Management	2	143	9	152	33	8	41	0	0	0	176	17	193
Integrated Nutrient management													
Rejuvenation of old orchards													
Value addition	1	70	5	75	21	4	25	0	0	0	91	9	100
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													

Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements	2	50	4	54	4	0	4	0	0	0	54	4	58
WTO and IPR issues													
Management in farm animals (Poultry management)	1	23	0	23	0	0	0	0	0	0	23	0	23
Livestock feed and fodder production	1	19	9	28	2	0	2	0	0	0	21	9	30
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs	1	73	4	77	12	4	16	0	0	0	85	8	93
Gender mainstreaming through SHGs													
Crop intensification													
TOTAL	10	472	41	513	98	20	118	0	0	0	570	61	631

Please furnish the details of training programmes as Annexure in the proforma given below

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
Agronomy										
22.04.15	PF	Methods of soil sampling	1	Off	23	0	23	3	0	3
13.05.15	PF	Technique of soil sampling	1	Off	23	02	25	3	1	4
18.05.15	PF	Different methods of growing paddy nursery.	1	Off	20	0	20	3	0	3
21.05.15	EF	Production of vermicompost.	1	Off	85	8	93	12	4	16
21.05.15	EF	IPM & IDM	1	Off	85	8	93	12	4	16
10.7.15	EF	Integrated weed management in paddy crops	1	Off	24	5	29	5	0	5
21-24 July, 2015	RY	Production of organic inputs	4	On	13	11	24	1	9	10
16.9.15	PF	Integrated weed management in kharif crops	1	Off	21	0	21	3	0	3
22.9.15	PF	Integrated nutrient	1	Off	29	0	29	5	0	5

		management in kharif crops								
23.9.15	PF	Production technique of potato	1	Off	23	0	23	0	0	0
28-30 Sept. 15	RY	Cultivation techniques of aromatic & medicinal plant	3	On	22	5	27	5	0	5
6.10.15	PF	Different method of soil sampling	1	Off	16	3	19	0	3	3
13.10.15	PF	Production technique of wheat	1	Off	22	0	22	4	0	4
26-27.10.15	PF	Production techniques of Rabi pulses	2	On	33	0	33	2	0	2
29-10-15	EF	Package & practices of rabi crops	1	OFF	91	9	100	21	4	25
3-4.11.15	PF	Production techniques of linseed, rapeseed and mustard	2	ON	39	4	43	4	4	8
16.11.15	PF	Production techniques of wheat	1	OFF	17	2	19	0	2	2
29-30.12.15	RY	Seed production technology in wheat	2	ON						
6.1.16	PF	Production technique of vermi compost and neem coated area	1	OFF	67	3	70	6	0	6
14.01.16	PF	Importance of vermicompost and production technique	1	OFF	30	22	52	16	15	31
18.1.16	PF	Production technique of oilseeds	1	OFF	40	0	40	6	0	6
27-30 Jan, 16	RY	Production technique of vermi compost	4	OFF	25	0	25	01	0	01
5-2-16	PF	Production technique of summer sesame	01	OFF	22	3	25	0	3	3
25-02-16 to 29-02-16	RY	Production technique of aromatic and medicinal plants	05	ON	27	0	27	5	0	5

20-02-16	PF	Production techniques of summer moong	01	ON	46	18	64	20	10	30
8.03.16	PF	Care & storage of lentil seeds and green manuring	01	OFF	33	0	33	3	0	3
9.03.16	PF	Care & storage of lentil seeds and green manuring	01	OFF	59	6	65	15	0	19
Home Science										
8.4.15	RY	Process of making bags	1	OFF	16	5	21	5	0	5
13.5.15	PF	Food preservation in Mango	1	OFF	23	2	25	3	1	4
18.5.15	PF	Food preservation in vegetable	1	OFF	20	0	20	3	0	3
13.6.15	PF	Preparation of low cost nutritional fruits	1	OFF	0	50	50	0	38	38
22.6.15	PF	Value addition & food processing	1	ON	46	7	53	18	5	23
14.7.15	PF	Value addition in mango	1	OFF	21	0	21	3	0	3
10.7.15	PF	Drudgery reduction technology for women	1	OFF	12	17	29	5	11	16
8.7.15	PF	SHG formation	1	OFF	15	11	26	8	10	18
22.8.15	PF	Nutritional gardening	1	ON	208	225	433	40	104	144
23.8.15	RY	Food processing	1	ON	54	0	54	12	0	12
13.8.15	PF	SHG	1	OFF	27	47	74	20	7	27
12.8.15	PF	Nutritional garden	1	OFF	61	0	61	21	0	21
11.8.15	PF	Nutritional garden	1	OFF	45	0	45	20	0	20
5.8.15	RY	Organic farming	1	OFF			61			
18.9.15	PF	Formation & functioning of self help group	1	OFF	24	8	32	9	6	15
4.9.15	PF	Mushroom production	1	OFF			22			
07-10-15	RY	Income generation activities Entrepreneurship development	1	ON	35	0	35	7	0	7
10-10-15	PF	Entrepreneurship development	1	OFF	35	0	35	7	0	7

12-10-15	PF	Nutritional Gardening	1	ON	14	8	22	5	4	9
13-10-15	RY	Income generation through Mushroom Production	1	ON	22	0	22	4	0	4
29-10-15	EF	Value Addition	1	OFF	91	9	100	21	4	25
12.11.15	PF	Value addition	1	OFF	13	3	16	5	1	6
04-12-15	PF	Storage loss minimization techniques	-	Off	14	0	14	2	0	2
08-12-15	PF	dVkbZ mijkUr izks ksfxdh	-	On	11	6	17	4	4	8
09-12-15	PF	ewY; lao/kZu	-	Off	12	1	17	4	0	4
14-12-15 to 17-12-15	RY	m ferk fodkl	-	On	0	22	22	0	14	14
16-12-15	PF	Household food security by Kitchen gardening	-	Off	15	0	15	3	0	3
28-12-15 to 31-12-15	RY	e'k:e mRiknu		On	11	12	23	4	3	7
7.1.16	PF	Lentil processing for nutrition security	1	OFF	36	0	36	7	0	7
8.1.16	PF	Post harvest technology	1	OFF	54	0	54	18	0	18
13.1.16	PF	Nutrition gardening	1	OFF	30	22	52	31	0	31
18.1.16	RY	Mushroom production	1	ON	15	12	27	5	3	8
19.1.16	RY	Different types of pickle making	1	OFF	18	11	29	7	3	10
04.02.16	PF	Value addition	1	OFF	14	0	14	2	0	2
20.02.16	PF	Mushroom production	1	OFF	46	18	64	20	10	30
9.3.16	PF	Post Harvest Technique	1	OFF	59	6	65	15	4	19
30.3.16	RY	Value addition	1	ON	0	30	30	0	12	12
30.3.16	PF	Energy Conservation	1	ON	23	8	31	4	6	10
Agril. Engg.										
22.04.15	PF	Operation, care & maintenance of reaper	1	OFF	23	0	23	3	0	3
13.05.15	PF	In-situ moisture	1	OFF	23	2	25	3	1	4

		conservation								
18.05.15	PF	Improved tillage implements	1	OFF	20	0	20	3	0	3
14.7.15	PF	Rain water conservation techniques	1	OFF			21			
23-24 July 15	RY	Improved tillage& sowing implements: care & repair	2	ON	15	5	20	3	2	5
06-8-2015	PF	Importance of self propelled paddy transplanters	1	OFF	18	0	18	2	0	2
11-8-2015	PF	Use & operation of paddy drum seeder	1	OFF	118	1	119	20	0	20
12-8-2015	PF	Improved weeding tools/ implements	1	OFF	106	0	106	21	0	21
13-8-2015	PF	Modern techniques of water management in paddy	1	OFF	111	17	128	20	7	27
22-8-2015	PF	Improved irrigation equipments	1	ON	208	225	433	40	104	144
5-8-2015	RY	Use & operation of paddy drum seeder	1	OFF	61	0	61	12	0	12
23-8-2015	RY	Mechanized paddy cultivation	1	ON	54	0	54	12	0	12
16.9.15	PF	Improved weeding tools/ Implements	1	OFF	34	0	34	11	0	11
18.9.15	PF	Modern techniques of water management in paddy	1	OFF	24	8	32	9	6	15
22.9.15	PF	Modern water management techniques in paddy cultivation	1	OFF	29	0	29	5	0	5
23.9.15	RY	Mechanized paddy cultivation	1	OFF	31	0	31	9	0	9
1.10.15	PF	Mechanized harvesting and threshing of paddy	1	OFF	23	0	23	5	0	5
13.10.15	PF	Mechanized	1	OFF	22	0	22	4	0	4

		harvesting and threshing of paddy crop								
15.10.15	RY	Improved tillage implements	1	OFF	22	0	22	3	0	3
20.11.15	PF	Operation, maintenance & calibration of ZT machine	1	OFF	44	10	54	8	4	12
19.11.15	PF	On farm water management in rabi crops	1	ON	25	2	27	5	1	6
23.11.15	PF	Method of wheat sowing by zero tillage technique & working	1	OFF	85	16	101	26	10	36
24.11.15	PF	Use and working of zero tillage machine	1	OFF	52	5	57	10	3	13
2-3, Nov 2015	RY	Repair, maintenance calibration and field operation of zero tillage machine	2	ON	24	0	24	4	0	4
04.12.15	PF	On farm water management in rabi crops	1	OFF	14	0	14	2	0	2
16.12.15	PF	Wheat sowing by zero tillage technology	1	OFF	15	0	15	3	0	3
21-23 Dec. 15	RY	Repair, maintenance & calibration of ZT machine	3	ON	25	0	25	4	0	4
23.12.15	PF	Sprinkler irrigation in rabi crops	1	OFF	48	10	58	12	4	16
4.1.16	PF	Methods of water conservation	1	OFF	31	0	31	4	0	4
5.1.16	PF	Water conservation through surface water harvesting structures	1	OFF	15	0	15	3	0	3
6.1.16	PF	On farm water management for wheat	1	OFF	9	3	12	1	2	3
7.1.16	PF	Sprinkler irrigation in rabi	1	OFF	36	0	36	7	0	7

		crops								
8.1.16	PF	Irrigation scheduling in rabi crops	1	OFF	54	0	54	18	0	18
13.1.16	PF	Moisture conservation technique in vermi compost production	1	OFF	30	22	52	16	15	31
19.1.16	EF	Use & care maintenance of irrigation equipments	1	OFF	30	2	32	2	0	2
04.02.16	PF	Use of plastic mulch for soil moisture conservation	1	OFF	14	0	14	2	0	2
10.02.16	EF	Use and working of various sowing/planting & harvesting implements	1	OFF	24	2	26	2	0	2
20.02.16	PF	Techniques of drip irrigation	1	ON	46	18	64	20	10	30
3.03.16	PF	Suitable PHT equipments	1	OFF	29	0	29	7	0	7
30.03.16	PF	Fuel conservation in agriculture	1	ON	23	8	31	4	6	10
17.03.16	RY	Incoming generation PHT equipments for rice and pulses	1	OFF	14	0	14	3	0	3
Plant Protection										
24.04.15	PF	Pest Management in stored grain.	1	Off	23	0	23	3	0	3
13.05.15	PF	Management of insect pest & disease in summer vegetable.	1	Off	23	2	25	3	1	4
12.05.15	PF	Management of insect pest & mosaic virus of moong and okra.	1	Off	20	0	20	3	0	3
21.05.15	PF	IPM & IDM in Paddy nursery.	1	On	85	8	93	12	4	16
26-06-15	PF	IPM in paddy	1	Off	25	0	25	2	0	2
10.7.15	PF	Management of insect pest & disease of paddy	1	Off			29			
7-10 July 15	RY	Maintenance of plant protection equipments & its	4	On	27	0	27	4	0	4

		precaution								
6-8-2015	PF	Pest and disease management in paddy	1	Off	18	0	18	2	0	2
11-8-2015	PF	IPM in paddy in drought condition	1	On	174	8	182	46	5	51
12-8-2015	PF	IPM in paddy in drought condition	1	On	113	16	129	34	10	44
13-8-2015	PF	IPM in paddy in drought condition	1	On	127	1	128	27	1	28
22-8-2015	PF	Disease & pests management in kharif vegetable	1	On			433			
5-8-2015	RY	Pest management in organic farming	1	On	61	0	61	12	0	12
16.9.15	PF	Pest management in Paddy	1	Off	34	0	34	11	0	11
18.9.15	PF	Disease management in Paddy	1	Off	24	8	32	9	6	15
22.9.15	PF	Integrated Pest Management in Paddy	1	Off	29	0	29	5	0	5
23.9.15	RY	Plant Health Clinic	1	Off	31	0	31	9	0	9
1.10.15	PF	Seed treatment in Rabi crops	1	Off	23	0	23	5	0	5
13.10.15	PF	Wilt management of pulses crop	1	Off	22	0	22	3	0	3
14.10.15	PF	Wilt management in Rabi pulses	1	Off	27	0	27	6	0	6
15.10.15	PF	Seed treatment of Rabi crops	1	Off	22	0	22	3	0	3
7.10.15 to 13.10.15	RY	Sustainable bee keeping	7	ON	35	0	35	7	0	7
29-10-15	EF	IPM in Rabi crops	1	OFF	91	9	100	21	4	25
6.11.15	PF	Wilt management in Rabi pulses	1	ON	26	0	26	4	0	4
9.11.15	PF	IPM in Rabi crops	1	ON	25	2	27	5	1	6
20.11.15	PF	IPM in Rabi crops	1	OFF	74	11	85	15	6	21
23.11.15	PF	IPM in Rabi crops	1	OFF	85	16	101	26	10	36
24.11.15	PF	IPM in Rabi	1	OFF	52	5	57	10	3	13

		crops								
30.10.15 to 5.11.15	RY	Sustainable bee keeping	6	ON	35	0	35	6	0	6
16.12.15	PF	Management of blight in potato	1	On	15	0	15	3	0	3
23.12.15	PF	IPM in vegetable crop	1	Off			53			
16-12-15	PF	Managment of blight in potato	1	ON	15	0	15	3	0	3
7.1.16	PF	Pest & disease management in pulse crop	1	OFF	36	0	36	7	0	7
8.1.16	PF	Pest & disease management in pulse crop	1	OFF	54	0	54	18	0	18
18.1.16	PF	Pest & disease management in oilseeds crop	1	OFF	40	0	40	6	0	6
4-7 Jan. 16	RY	Sustainable beekeeping	4	ON	30	0	30	7	0	7
13-14 Jan. 16	RY	Production of vermicompost	2	OFF	30	22	52	31	0	31
05.02.16	PF	IPM in vegetable crops	1	OFF	22	3	25	5	3	8
20.02.16	PF	IPM in Rabi crops	1	ON	46	18	64	20	10	30
23-26 Feb. 16	RY	Production of biopesticide and their use in different crops	4	ON	22	5	27	6	3	9
3.03.16	PF	IPM in vegetable crops	1	OFF	29	0	29	7	0	7
4.03.16	PF	management of helicovarpa in chikpea	1	ON	9	7	19	1	1	2
8.03.16	PF	Management of helicovarpa in chickpea	1	OFF	33	0	33	3	0	3
9.03.16	PF	Management of late blight in potato	1	OFF	59	6	65	15	4	19
Animal Science										
13.04.15	PF	Vaccination Schedule of dairy cattle.	1	OFF	19	0	19	2	0	2
16.04.15	PF	Balance feeding ratio of cattle.	1	OFF	25	0	25	1	0	1
22.04.15	PF	Vital contagious diseases of poultry.	1	OFF	23	0	23	3	0	3
05.05.15	EF	Housing, nutritional, & disease management of cattle	1	ON	21	9	30	2	0	2

07.05.15	PF	Dairy Management	1	OFF	23	2	25	3	1	4
13.05.15	PF	Poultry farming	1	OFF	22	3	25	5	0	5
22.05.15	PF	Housing & Nutritional management of goats	1	OFF	25	0	25	2	0	2
26.06.15	PF	Reproductive problems of cross breed cow	1	OFF	25	0	25	2	0	2
8.07.15	PF	Dairy management	1	OFF	26	0	26	0	0	0
10.07.15	PF	Feeding Management of poultry	1	OFF	29	0	29	0	0	0
13.07.15	RY	Goat farming	1	ON	28	11	39	3	5	8
24.07.15	PF	Feeding management of dairy cow	1	OFF	25	0	25	0	0	0
11.08.15	PF	Livestock management in drought situation	1	OFF	118	1	119	20	0	20
13.08.15	PF	Goat farming for income generation	1	OFF	21	0	21	2	0	2
16.09.15	PF	Importance of vaccination in milch cattle	1	OFF	21	0	21	3	0	3
18.09.15	PF	Feeding & housing management of poultry	1	OFF	24	5	29	5	0	5
22.09.15	PF	Feeding management of dairy cattle	1	OFF	23	0	23	0	0	0
23.09.15	PF	latest trend of layer poultry management	1	OFF						
28.09.15	PF	Housing & nutritional management of pigs	1	OFF	25	2	27	25	2	27
1.10.15	PF	Brooding/ rearing of chick	1	OFF	23	3	23	5	0	5
6.10.15	PF	Disease management of cattle	1	OFF	16	0	19	0	3	3
14.10.15	PF	Disease management of small ruminant	1	OFF	27		27	6	0	6
26-30/10/15	EF	Poultry farming	5	ON	23	0	23	0	0	0
3-4.11.15	PF	AI technique of cattle	2	ON	21	0	21	2	0	2
23-24.11.15	PF	Fish cum duck/	2	ON	19	0	19	0	0	0

		Poultry farming								
10.12.15	PF	Feeding & disease management of pigs	1	OFF	14	4	18	14	4	18
10.12.15	PF	Feeding & disease management of pig	1	OFF	14	4	18	14	4	18
27-30 Dec. 15	RY	Dairy management	4	ON	25	0	25	3	0	3
5.1.16	PF	Control of protozoan diseases of livestock	1	OFF	23	0	23	0	0	0
7-8 Jan. 16	PF	Housing & nutritional management of cattle	2	ON	21	2	23	3	0	3
18-22 Jan. 16	RY	Artificial insemination technique of cattle	5	ON	33	2	35	3	0	3
4-2-16 to 5-2-16	PF	Disease of poultry & its control	2	On	15	10	25	8	8	16
10-2-16 to 11-2-16	PF	Feeding & parasitic control of livestock & small ruminant	2	On	23	0	23	3	0	3
24-2-16 to 26-02-16	RY	Housing & disease management of piggery	3	On	10	8	18	10	8	18
8.03.2016	PF	Poultry farming	1	On	29	21	50	0	21	21
31.03.16	PF	Management of common disease in goats	1	On						
14-18 March, 16	RY	Dairy Management	5	On	12	8	20	0	3	3

H) Vocational training programmes for Rural Youth

Details of training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Duration (days)	No. of Participants			Self employed after training			Number of persons employed elsewhere
				Male	Female	Total	Type of units	Number of units	Number of persons employed	
Vermicompost	Production of organic	Vermicompost production	4	13	11	24	SELF	5	5	-

	inputs	n techniques								
Integrated farming	Integrated farming	Cultivation techniques of aromatic & medicinal plant	3	22	5	27	SELF	1	1	-
Seed production	Seed production	Seed production technology in wheat	2	15	0	15	SELF	9	9	-
Implement	Repair & maintenance of farm implement	Repair, maintenance, calibration & field operation of ZTT	2	24	0	24	SELF	8	8	2
Plant protection	IPM	maintenance of plant protection equipments & its precaution	4	27	0	27	SELF	2	2	-
Bee keeping	Bee Keeping	Sustainable bee keeping	7	35	0	35	SELF	2	2	-
Bee Keeping	Bee Keeping	Sustainable bee keeping	7	35	0	35	SELF	2	2	-
Bee Keeping	Bee Keeping	Sustainable bee keeping	4	30	0	30	SELF	6	6	-
Dairy management	Dairy management	Dairy management	4	25	0	25	SELF	7	7	2
Artificial insemination	Artificial insemination	Artificial insemination technique of cattle	5	33	2	35	SELF	8	8	4
Mushroom production	Mushroom production	Mushroom production	7	28	7	35	SELF, SHG	6	6	-
Bio-Control	Bio-control	Production of bio-pesticides and their use in different crops	4	22	5	27	SELF, SHG	-	-	-
Disease management	Disease management	Housing & disease management of piggery	3	10	8	18	SELF, SHG	7	7	-
Dairy Management	Dairy Management	Dairy Management	5	12	8	20	SELF, SHG	5	5	3

*training title should specify the major technology /skill transferred

I) Sponsored Training Programmes

S l. N o	Title	Thematic area	Mont h	Dura tion (day s)	Cli ent	No. of cour ses	No. of Participants										Sponsor ing Agency
					PF/ RY /EF		Male			Female			Total				
						Ot he rs	SC	S T	Ot he rs	SC	ST	Othe rs	SC	ST	To tal		
1.	Agricul tural Market ing	Agricult ural Marketi ng	June 2015	1	PF	1	28	18	0	2	5	0	46	7	0	53	NIAM, Jaipur
2.	Beekee ping	Beekeep ing	30.10 .15- 05.11 15	7	RY	1	28	7	0	0	0	0	28	7	0	35	NYK, Jehanab ad
3	Beekee ping	Beekeep ing	07.10 .15- 13.10 .15	7	RY	1	29	6	0	0	0	0	29	6	0	35	NYK, Jehanab ad
4	Fuel conser vation in agricult ure	Energy conserv ation in agricult ure	30.03 .16	1	PF	1	19	4	0	2	6	0	23	8	0	31	PCRA
5	Care & storage of lentil seeds	Nutritio nal Security	08.3. 16	1	PF	1	30	3	0	0	0	0	30	3	0	33	ICARD A
6	Care & storage of lentil seeds	Nutritio nal Security	09.3. 16	1	PF	1	44	15	0	2	4	0	46	19	0	65	ICARD A

3.4. A. Extension Activities (including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	4			106						106
Kisan Mela	3			350						350
Kisan Ghosthi	37			1579						1579
Exhibition	4			Mass						Mass
Film Show	4			Mass						Mass
Method Demonstrations	7	56	14	70				56	14	70
Farmers Seminar	2	80	6	86				80	6	86
Training/ Workshop	15			15						15
Group meetings										
Lectures delivered as										

resource persons										
Advisory Services	4653									
Scientific visit to farmers field	245			251						251
Farmers visit to KVK	1570			1582						1582
Diagnostic visits	74			77						77
Exposure visits	1			53						53
New paper coverage	42			42						42
Ex-trainees Sammelan										
Soil health Camp										
Animal Health Camp	2			2						2
Agri mobile clinic										
Soil test campaigns										
Farm Science Club Conveners meet										
Self Help Group Conveners meetings	2			2						2
Mahila Mandals Conveners meetings										
Celebration of important days (specify)	3			3						3
Any Other (Specify)										
Video conferencing	3			88						88
KMAS	2381			2381						2381
SMS Portal	105			180903						180903
TV talk/ Radio talk	10			10						10
Total	4512	56	14	187514	0	0	0	56	14	187514

B. Other Extension activities

Nature of Extension Activity	No. of activities
Newspaper coverage	42
Radio talks	7
TV talks	4
Popular articles	1
Extension Literature	16
Other, if any	

3.5 Production and supply of Technological products

Village seed

Crop	variety	Quantity of seed (q)	Value (Rs)	Provided to number of farmers

Total				
-------	--	--	--	--

KVK farm

Crop	variety	Quantity of seed (q)	Value (Rs)	Provided to number of farmers
2015-16				
Paady	R. Mahsoori	300		
	S. Ardhjal	20		
Lentil	HUL 57	1.5		
Pea	Azad P-1	3.0		
Wheat	HD 2985			at harvest
	HD 2967			
2014-15				
Wheat	HD 2985	84.95		48
	HD 2967	19.32		51
	HD 3059	9.60		3
Grand Total				

Production of planting materials by the KVKs

Crop	Variety	No. of planting materials	Value (Rs)	Provided to number of farmers
Vegetable seedlings				
Cauliflower				
Cabbage				
Tomato				
Brinjal				
Chilli				
Onion				
Others				
Fruits				
Mango				
Guava				
Lime				
Papaya				
Banana				
Others				
Ornamental plants				
Medicinal and Aromatic				
Plantation				
Spices				
Turmeric				

Tuber				
Elephant yams				
Fodder crop saplings				
Forest Species				
Others, pl.specify				
Total				

Production of Bio-Products

Name of product	Quantity	Value (Rs.)	No. of Farmers
	Kg		
Bio Fertilisers			
Bio-pesticide			
Bio-fungicide			
Bio Agents			
Others			
Total			

Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers
Dairy animals				
Cows				
Buffaloes				
Calves				
Others (Pl. specify)				
Poultry				
Broilers				
Layers				
Duals (broiler and layer)				
Japanese Quail				
Turkey				
Emu				
Ducks				
Others (Pl. specify)				
Piggery				
Piglet				
Others (Pl. specify)				
Fisheries				
Indian carp				
Exotic carp				
Others (Pl. specify)				
Grand Total				

3.6. (A) Literature Developed/Published (with full title, author & reference)

Item	Title	Authors name	Number	Circulation
Research paper				

Seminar/conference/ symposia papers	Water Management and Demonstration of drought tolerant Rice Varieties for Climate Resilience.	Dr. Shobha Rani ¹ , Er. J. Kumar ² and Sri A.K. Paswan ³ 1. Programme Coordinator, KVK, Jehanabad, B.A.U., Sabour 2 & 3. Scientist, KVK Jehanabad, B.A.U. Sabour		
	Technological Intervention for Climate Resilient Agriculture in Drought Condition	Dr. Shobha Rani, Sr. Scientist & head, & Er. Jeetendra Kumar, Scientist (Ag. Engg.), KVK, Jehanabad BAU, Sabour, Bhagalpur, Bihar		
	Stress Management through water harvesting structures under drought condition	Dr. Shobha Rani, Sr. Scientist & head, & Er. Jeetendra Kumar, Scientist (Ag. Engg.), KVK, Jehanabad BAU, Sabour, Bhagalpur, Bihar		
	Fodder Seed Bank – An initiative for green fodder production during lean period by KVK, Jehanabad under NICRA Project	Dr. Shobha Rani, Dr. R.K. Sohane, Dr. Dinesh Mahto & Sri Basant Kumar Sharma, KVK, Jehanabad, Bihar Agricultural University, Sabour, Bihar, Bhagalpur, India		
Books				
Bulletins	1. Mushroom utpadan taknic 2. Grih Vatika 3. Shishu Aahar 4. papite ke gunkari paye awom khad pradarth 5. Adarakh ke mulyavardhit utpad 6. Tudai uprant sabjiyon ka prabandhan 7. Grismkalin gahri jutai avom uske yantra 8. Bhu Jal sanrakshan avom sambardhan ki prabhavi taknik 9. Aam ke manjron ki surakhsha kiton se 10. Khira vargiye sabjiyon main samekit kit prabandhan 11. Swarojgar ke liye bakri palan 12. garvwati pashuon ki dekhbhal awom prabandhan 13. Pashuon main hare chare ka upyog awom prabandhan 14. Swarojgar ke liye bakri palan 15. Krishi main jaiv urbarkon ka mahtva awom prayog 16. Aniyamit Monsoon evam sukhe ki sthiti ke liye fasal yojna	Dr. Shobha Rani Dr. Shobha Rani Dr. Shobha Rani Dr. Shobha Rani Dr. Shobha Rani Dr. Shobha Rani Er. Jeetendra Kumar Er. Jeetendra Kumar Dr. Wajid Hasan Dr. Wajid Hasan Dr. Dinesh Mahto Dr. Dinesh Mahto Dr. Dinesh Mahto Dr. Dinesh Mahto Sri Ajit Kumar Paswan Dr. Shobha Rani, Er. Jeetendra Kumar, Dr. Dinesh Mahto, Dr. Wajid Hasan & Sri Ajit Kumar	70 500 500 500 500 500 1000 1000 1000 1000 1000 1000 1000 500 1000	

	17.	Paswan		
News letter				
Popular Articles	Krishak Samachar, July-Sept. 2015	Dr. Shobha Rani, Er. Jeetendra Kumar, Dr. Dinesh Mahto, Dr. Wajid Hasan & Sri Ajit Kumar Paswan		
	Fawwara Sinchai Pranali Sanchalan ki samasyayen, unka samadhan evam rakhrakhao	Er. Jeetendra Kumar		Krishak Sandesh, April-June 2015,
Book Chapter				
Extension Pamphlets/ literature				
Technical reports	MPR (English), MPR (Hindi), QPR (April-June 2015, July-Sept. 2015, Oct.- Dec. 2015, Jan.- March 2016) Annual Progress Report (2015-16) of KVK • Annual Action Plan (2016-17) of KVK • Annual Report (2015-16) of NICRA • Annual Action Plan (2016-17) of NICRA • Extension Council Report (April- Sept. 2015) NICRA QPR (April-June 2015, July-Sept. 2015, Oct.- Dec. 2015, Jan.- March 2016) • Extension Council Report (Oct. 15- Mar. 2016)	Dr. Shobha Rani ¹ , Er. J. Kumar ² Programme Coordinator, KVK, Jehanabad, B.A.U., Sabour 2 Scientist (Agril. Engg.), KVK Jehanabad		
Electronic Publication (CD/DVD etc)				
TOTAL				

N.B. Please enclose a copy of each. In case of literature prepared in local language please indicate the title in English

(B) Details of HRD programmes undergone by KVK personnel:

S. No.	Name of programme	Name of course	Name of KVK personnel and designation	Date and Duration	Organized by
1	State level Kharif workshop	State level Kharif workshop	Dr. Shobha Rani(Programme	11.04.15	BAU Sabour

			Coordinator)		
2	State level workshop	State level workshop	Dr. Shobha Rani(Programme Coordinator)	17-18 april 2015	ZPD Zone-II
3	Review Workshop of NICRA at ZPD Zone –II Kolkata	Review Workshop of NICRA	Dr. Shobha Rani(Programme Coordinator)	23.04.15 - 24.04.15	ZPD Zone-II
4	International Conference on Sustainable Innovation in Dairying" at Rajgir (Bihar)	International Conference on Sustainable Innovation in Dairying"	Dr. Shobha Rani(Programme Coordinator), Dr Dinesh Mahto, Er. Jeetendra Kumar, Scientist (Agril. Engg.), Dr. Wajid Hasan, Sri Ajit Kr. Paswan	02.04.15 to 05.04.15.	Dairy Technology Society of India
5	Research Council meeting at BAU Sabour, Bhagalpur	Research Council meeting	Dr. Shobha Rani(Programme Coordinator)	05.05.15 to 07.05.15.	BAU Sabour
6	Extension Council meeting at BAU Sabour, Bhagalpur	Extension Council meeting	Dr. Shobha Rani(Programme Coordinator), Dr Dinesh Mahto, Er. Jeetendra Kumar, Scientist (Agril. Engg.), Dr. Wajid Hasan, Sri Ajit Kr. Paswan	08.05.15.	BAU Sabour
7	Zonal workshop at Fishery Research Institute, Bairakpur	Zonal workshop of kvk	Dr. Shobha Rani(Programme Coordinator)	26-27 May 2015	
8	National conference of KVK at Shri Krishna Memorial Hall, Patna	ICAR foundation day & National conference of KVK	Er. Jeetendra Kumar, Scientist (Agril. Engg.), Dr Dinesh Mahto, Dr. Wajid Hasan, Sri Ajit Kr. Paswan	25-26 July 2015	ICAR
	Sensitization workshop on cluster demonstration on oilseed, pulses & PPVFR Programme	Workshop on cluster demonstration on oilseed, pulses & PPVFR	Er. Jeetendra Kumar, Scientist (Agril. Engg.)	8-10 Dec. 2015	ICAR
9	Winter School/ Short course at ICAR-RCER, Patna	Livelihood improvement of rural youth through livestock & poultry based intervention	Dr Dinesh Mahto	15-24 Dec. 2015	ICAR-RCER, Patna
10	Short course training	New advance veterinary and Animal Sc. & its adoption	Dr Dinesh Mahto	19-23 Feb. 2016	BVC, Patna(Bihar)

3.7. Success stories/Case studies, if any (two or three pages write-up on each case with suitable action photographs)

(i) **fdlku dk uke%Jh deyk 'kekZ tUefrfFk& 04-01-1944**



irk &xzke&jkeiqj p:bZ] iksLV\$iz[k.M&eks nuxat] Fkkuk&?kks"kh]
ftyk&tgkukckn

vkSipkfjd@vukSipkfjd f'k{kk &eSfV^ad

lalk/ku &

- i. Land (ha.) Hkwfe $\frac{1}{4}$ gs- $\frac{1}{2}$:- & 4 gsDVs;j
- ii. Irrigated area (ha) flafpr Hkwfe :- 3 gs0
- iii. Animal resources including fish and poultry:-
 i'kq lalk/ku $\frac{1}{4}$ eNyh ,oa eqxhZ ikyu lfgr $\frac{1}{2}$ &
 2 HkSal ,oa 3 mUur ladj uLy dh xk; ,oa ckNh
- iv. Farm machinery d`f" k ;kaf=dh :-
 V^aSDVj] ikoj Fkzslj] iSMh Fkzslj] Mhty bZa/ku] ikoj Lizs;j
- v. Industries m|ksx /ka/ks :- jkbZl ehy] y?kq ¶lykoj ehy] Ms;jh
- vi. Others vU; :- oksfjax&5] oehZdEiksLV&1

Area under {ks=kUrxZr &.

- i. Field crops Qlysa :- 3-25 gs0
- ii. Horticultural Crops cKxokuh Qlysa :- 0.75 gs0
- iii. Agroforstry / Apiculture / Sericulture d`f" k okudh@e/kqeD[kh
 ikyu@js'ke ikyu :- Ñf" k cKfudh&'kh'ke] vtwZu] uhe] lKxoku]
 ;wfdfyIVl vkfn dk yxHkx 50 isM+ tks [ksrksa ds es<+ ij gSA
- iv. Dairy/ Poultry / Fisheries/ Duckeries / Piggaries:-
 dqDdqV@eRL;@c`Ük[kikyu@lqvjikyü $\frac{1}{4}$ bdkbZ fufnZa"V
 djsa $\frac{1}{2}$ &
 2 HkSal ,oa 3 xk; dk y?kq Ms;jh bdkbZA

[ksrh esa viukbZ tkusokyh uohu rduhfd

Jhfof/k ls /kku dh jksikbZ

thjks Vhyst fof/k ls xsgw dh cqvk bZ

nyguh o rsyguh Qlyksa dh flapkbZ QCckjk fof/k lsA

Qlyksa dh cqvk bZ ds iwoZ chtksipkj

nyguh Qlyksa esa jkbtk sfc;e dYpj dk iz;ksxA

d`f" k foKku dsUnz] xa/kkj tgkukckn }kkj fn;k lgHkkxh ,oa lckSj

lqjfHkr dk Jhfof/k ls jksikbZ rFkk thjks Vhyst fof/k ls xsgwa dh

cqvkbZA Qly mRiknu rduhd dks ns[kdj vklikl ds fdIkuksa Hkh

izHkkfor gq;s rFkk rduhd dks viuk;kA

Activity wise income, C:B ratio, gross and net income year wise for previous years.

fiNys ikap o"kksZa dh xfrfof/k lfgr vk;] ykxr ykHk vuqikr o"kZokj &

d¹/₂ Qlyksa ls &

Qly	ykxr	ldy vk;	'kq) vk;	ykxr ykHk vuqikr
/kku	65000	234000	169000	1%3-6

[k¹/₂ ckkxokuh Qlyksa ls &

Qly	ykxr	ldy vk;	'kq) vk;	ykxr ykHk vuqikr
vkyq	16000	45000	29000	1%2-8

x¹/₂ i'kq/ku ls &

i'kq	ykxr	ldy vk;	'kq) vk;	ykxr ykHk vuqikr
Ms;jh	45000	192000	147000	1%4-2

?k¹/₂ eRL; ikyu ls & ugha

³/₁ fdlh Hkh vU; dk;ksZa ls &

	ykxr	ldy vk;	'kq) vk;	ykxr ykHk vuqikr
jkbZl fey\$¶ykoj fey	25000	110000	85000	1%4-4

Innovative efforts vfHkuo iz;kl

d¹/₂ vkuqokaf'kd Jksr lalk/ku & cklerh dk dkyk ijaijkxr izHksn&';ke thjk

[k¹/₂ iz{ks= iathd`r izHksn & fo'o fo0 }kjk lapkfyr cht mRiknd fdiku

x¹/₂ çkd`frd lalk/ku izca/ku ds iz;kl & thjks Vhyst] Lizahdyj

?k¹/₂ fVdkm fofo/khdj.k ,oa rhfczdj.k ds iz;kl & oehZdEiksLV] ghj[kkn] ck;ksQfVZykZtj

³/₁ lekt ds fiNM+s oxksZa ds leFkZu ds iz;kl & lekt ds detksj rcds ds ykxsksa dks ljdkj dh ;kstukvksa ds izfr tkx:d djuk o lewg fuekZ.kA

p¹/₂ efgyk la'kfDrdj.k ds iz;kl &

Success stories lQyrk dh dgkuh & Jh deyk 'kekZ] p:bZ] xzke\$iz[k.M&eksnuxat ds ,d izxfr'khy d`"kd gS ftUgksaus vius lykWV ij izFke okj ,pMh&2733 xsgwa izHksn dk thjks Vhyst ls [ksrh fd;kA 'kq: fnuksa esa os l'kafr FksA ykxsksa us 'kq: esa migkl Hkh fd;kA ysfdu iUnzg fnuksa ds ckn tc [ksr esa drkj c) xsgwa dk ikS/kk fn[kkbZ nsus yxk] rks mUgsa Hkh vk'p;Z gqvka Qly mRiknu dkQh caij gqvka mlds

ckn ds tks Hkh xsgwa dh cqvkBZ djrs gSa thjks Vhsyst fof/k ls gh djrs gSA buds iz;klksa dks ns[kdj vkl&ikl ds xkoxsa ds vU; fdlku Hkh bl fof/k ls xsgwa dh [ksrh djus ds fy;s izsfjr gq, gSaA bls ikuh dh cpr gksrh gSA [kjirokj de fudyrk gS rFkk V^aSDVj esa Mhty dh Hkh cpr gksrh gSA

(ii) Jh lqjsUnz izlkn flag firk&Lo0 jketru flag xzke&nsgquh] iks0&xksydiqj] nsgquh] iz[kam\$Fkkuk&?kks"kh] ftyk&tgkukckn] fiu&804420 eksckbZy & 09798042260

vkSipkfjd@vukSipkfjd f'k{kk & Lukrd foKku ¼izfr"Bk jlk;u 'kkL=½A

izklr lEeku &

- ^fdlkuJh^ ^v/;{k^ d`"kd lwpuk ,oa lykgdkj lfefr ^vkRek^ iz[kam&?kks"kh
- ^v/;{k^ ekuokf/kdkj laj{k.k izfr"Bku iz[kam&?kks"kh ^v/;{k^ fizal fdlku Dyc xzke&nsgquh xzke iapk;r&xksydiqj iz[kam&?kks"kh
- lnL;&^lnL;^ xksydiqj iSDI iz[k.M&?kks"kh tgkukckn
- lapkyu& ^fdlku ikB'kkyk^ xzke iapk;r xksydiqj ds vUrxZr xzke&nsgquh iz[k.M ?kks"kh tgkukckn o"kZ 2010
- d`f"k ;ksX; tehu&ikWp ¼45½ gsDVs;j
- eos'kh dh la[;kWa&xk;&nks] HkSal&,d] xk; dk cPpk&2] xk; dk uLy&tlhZ] HkSal&eqjkZ ¼4'kadj½
- ;kaf=dj.k & iwoZ esa VS^aDVj&1
- orZeku& /kku >kjus dk e'khu&01] vkWVkslhMj&01] usilSd cSV^{ah} pkfyr Mhty batu&01¼48-5 ,p-ih-½] fo|qr pkfyr eksVj&03 ¼45] 3] 2 ,p-ih-½
- :fp& d`f"k i'kqikyuu] erL; ikyu] lCth dh [ksrh] vkS"k/kh; ikS/kk ,oa cksxokuh vU;A
- d`f"k ds {ks= esa dk;Z & [kjhQ Qly & /kku & 04 gsDVs;j
- jch Qly& xsgwa
- moZjd dk mi;ksx& oehZdEiksLV] vkaf'kd :i ls jklk;fud moZjd
- nyguh&pquk] elqj] [kslkM+h] ewax] eVj
- rsyguh&ljlksa] jkbZ] rhlh
- lCth& vkyw] fHkaMh] cSaxu] VekVj] uhacw o`{k] ve:n] vke] dsyk] iihrk
- i'kqikyuu ds {ks= esa xk; dh la[;k&02] xk; dk cPpk&02] HkSal&01

iw.kZ dk O;olk; & ysoh puh dk Fkksd foØsrk iz[kam&?kks"kh isllh dk ,tsalh] iz[kam ?kks"kh] gqyklxat ,oa eksnuxat vkbZlØhe dk m|ksx

IHkh dk;Z dks NksM+ eSa orZeku le; esa d`f`k oSKkfudksa ds }kjk crk;s x;s fof/k dks le>rs gq, d`f`k ds izfr :fp esa c<+k vkSj fHkUu fHkUu LFkkuksa ij izf`k{k.k izklr dj d`f`k djus yxs rks eq>s lUrks"ktud Qk;nk gksus yxk ftds pyrs d`f`k ds izfr tkx:d gksdj oSKkfud <ax ls [ksrh djus yxkA tSlS dh & [ksr dh feV~Vh tkWap djokuk] cht dks chtksipkj dj gh yxkuk ,oa lCth;ksa ds ikS/kk dks fcpM+k mipkj dj gh yxokrk gWWaA ftdk urhtk vPNk vkus yxk A le; ij HkkM+s dk dEckbu gkosZLVj ls Hkh Qly dk dVkbZ dj [kk]kUu dk HkaMkj dj ysrk gWWA tSlk dh d`f`k foKku dsUnz] xa/kkj tgkukcKn ds }kjk izf`k{k.k fn;k x;k gSA tgkWa rd eq>s iw.kZ vuqHko ,oa fo'okl gS fd oSKkfudksa ds }kjk fn;s x;s izf`k{k.k ds }kjk fdLkksa dks lgh lgh ekxZn'kZu nsdj d`f`k ds {ks= esa d`f`k dks m|ksx dk ntkZ fnykus ds y{; esa vkxs c<+ jgk gSA vkSj d`f`k foKku dsUnz dk vge Hkwfedk bl {ks= esa ns[kus dks fey jgk gSA vkSj ekuuh; eq[; ea=h fcgkj ljdkj ds d`f`k ds {ks= esa llrØkafr dk liuk lkdj djus dh fn'kk esa geyksx fdLku ,oa oSKkfudx.k dne nj dne vkxs c<+ jgs gSA eq[; dk;Z & d`f`k] erL; ikyu ,oa i'kqiky eeq[; dk;Z gSA

- d`f`k ls dqy 'kq) vk; IHkh Jksrks ls & 525000-00 izfr o`kZ

3.8. Give details of innovative methodology or innovative technology of Transfer of Technology developed and used during the year: **Training, Lecture, Discussion and demonstration methods.**

3.9 Give details of indigenous technology practiced by the farmers in the KVK operational area which can be considered for technology development (in detail with suitable photographs)

S. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK

3.10 Indicate the specific training need analysis tools/methodology followed by KVKs

- PRA.
- Survey using (Questionnaires & Schedule)
- Meeting-Discussion.
- Observation (Participant & Non Participant observation)

3.11. a.Details of equipment available in Soil and Water Testing Laboratory

Sl. No	Name of the Equipment	Qty.
1.	Mridaparikshak a mini lab	01

3.11.b. Details of samples analyzed so far :

Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized
P _H , E _C , OC, N, Fe, B, P, K	455	1700	60	
P _H , OC, N, P, K	350	650	70	
Total	805	2350	130	

3.12. Activities of rain water harvesting structure and micro irrigation system

No of training programme	No of demonstrations	No of plant material produced	Visit by the farmers	Visit by the officials

3.13 Technology week celebration

Type of activities	No. of activities	Number of participants	Related crop/livestock technology

3.14. RAWE programme - is KVK involved?

No of student/ARS trained	No of days stayed

3.15. List of VIP visitors (MP/MLA/DM/VC/Zila Sabhadipati/Other Head of Organization/Foreigners)

Date	Name of the person	Purpose of visit
20-05-2015	Dr. H.S. Sen, Former Director CRIJAF (ICAR) Dr. K. Sreenivas Reddy, CRIDA, Hyderabad Dr. A. Upadhyaya as nominee DDG (NRM) ICAR-RCER, Patna Dr. F.H. Rahman Member secretary and nodal officer NICRA, ZPD-II, Kolkata Dr. Ajay Kumar, ARI, Patna	Visit of Zonal Monitoring Committee at NICRA village
24-06-2015	Dr. S. K. Mandol Principal Scientist Zonal Project Directorate, Zone- II, Kolkata Dr. U.S. Jaiswal Associate Director Extension Education, Bihar Agricultural University, Sabour, Bhagalpur Dr. Arvind Kumar Senior Scientist (Plant Protection), ARI, Patna	SAC Meeting.
22 to 23-08-2015	Dr. Arun Kumar Hon'ble Member of parliament, Jehanabad	Kharif Kisan Sammelan
28-08-2015	Dr. Arun Kumar, Hon'ble Vice Chancellor, BAU, Sabour Dr. Ashok Kumar,	Animal Health Camp

	DSW, BAU, Sabour Dr. Manikant Chaudhary, Principal, BVC, Patna	
02.12.2015	Dr. R.K. Sohane Director, Extension Education BAU, Sabour, Bhagalpur	Review meeting
05.12.2015	Mr. Krishnananadan Prasad Verma Hon'ble Minister (PHED & Law), Govt. of Bihar Sri Jaiprakash Chandrabansi, District Chairman (JDU) Sri Dilip Kushwaha, District Chairman (Youth JDU) Sri Vijay Yadav, Block Chairman (JDU) Sri Bipin Patel, Block Chairman (JDU) Sri Mahesh Ram, Block Chairman (RJD) Sri Jairam pal, PD, ATMA Sri Gopal Prasad, BAO, Modanganj	International soil day
20-02-2016	Dr. Arun Kumar Hon'ble Member of parliament, Jehanabad	Rabi Kisan Sammelan

4.0 IMPACT

4.1. Impact of KVK activities (Not to be restricted for reporting period).

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)
Beekeeping	100	21	40000	55000
Zero tillage	90	8	48000	52000
Poultry farming	300	27	45000	64000
Mushroom cultivation	70	22	-	33500
Goatry	97	8	550/Month	2200/Month
Dairy	422	32	10000/Month	40000/Month
Piggery	63	10	15000/month	17000/month
Fishery	19	2	-	-

NB: Should be based on actual study, questionnaire/group discussion etc. with ex-participants

4.2 Cases of large scale adoption

(Please furnish detailed information for each case)

Horizontal spread of technologies	
Technology	Horizontal spread (%)
Backyard Poultry	20
Dairy	30
Value addition in paddy straw	40
Mushroom Production	12
Zero tillage	12

4.3 Details of impact analysis of KVK activities carried out during the reporting period

Sl. No.	Technology	Adoption rate
1	Single seedling transplanting of paddy (%)	74%
2	Vermicompost production (no.)	88%
3	Use of improved farm implements (%) (ex :Rotavator, combined harvester)	66%
4	Income generating activities Like vermicompost production, Rice/rice flakes selling, poultry, dairying, goatry, processing (%)	45%
5	Participation of Farm women in agril. programme	72%
6	Seed replacement rate (%) in the adopted villages (paddy, wheat, rai, gram, lentil, moong etc.)	90%
7	Participation of NGO's in KVK-activities (no.)	14
8	Area under ZTT (ha)	670
9	Bee Keeping (%)	25%
10	Mushroom Production	26

4.4 Details of innovations recorded by the KVK

Thematic area	Disease Management
Name of the Innovation	Litter spreader (Kunni Khurpi)
Details of Innovator	Finger like structure made of iron along with wooden handle
Back ground of innovation	Before this innovation farmer was using self finger then after making of litter spreader (iron finger)
Technology details	This technology is used for spreading the litter to reduce moisture as well inspection of soundness of litter
Practical utility of innovation	Drying of manure, odor dissipation and removal of air inlet (Due to access methane gas mortality in birds occurs)

4.5 Details of entrepreneurship development

Entrepreneurship development	
Name of the enterprise	Beekeeping
Name & complete address of the entrepreneur	Mr. Vinay Kumar sharma, Village- Mananpur, Block- Modanganj, Distt.- Jehanabad
Intervention of KVK with quantitative data support:	He got training from KVK Jehanabad & started beekeeping since October 2015 with 20 bee box. He extracted 350 kg honey in a short duration of 7 months.
Time line of the entrepreneurship	Since 2 year he is doing Beekeeping

development	
Technical Components of the Enterprise	Bee box, honey extractor machine, rani cage, knife, brush
Status of entrepreneur before and after the enterprise	His annual Income was Rs.40000/year before starting beekeeping now his annual net income is Rs.70000.
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	Working condition. a. Sufficient flower fauna available in the locality during 8 months in a year. b. Related work done by his family members. c. Honey easily sale in local
Horizontal spread of enterprise	He shares his knowledge and experience with other farmers.

Entrepreneurship development	
Name of the enterprise	Beekeeping
Name & complete address of the entrepreneur	Mr. Dinesh sharma, Village- Amarpura, Block- Kako, Distt.- Jehanabad
Intervention of KVK with quantitative data support:	He got training from KVK Jehanabad & started beekeeping since September 2015 with 10 bee box. He extracted 250 kg honey in a short duration of 8 months.
Time line of the entrepreneurship development	Since 1 year he is doing Beekeeping
Technical Components of the Enterprise	Bee box, honey extractor machine, rani cage, knife, brush
Status of entrepreneur before and after the enterprise	His annual Income was Rs.35000/year before starting beekeeping now his annual net income is Rs.60000.
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	Working condition. d. Sufficient flower fauna available in the locality during 8 months in a year. e. Related work done by his family members. f. Honey easily sale in local
Horizontal spread of enterprise	He shares his knowledge and experience with other farmers.

Entrepreneurship development: Animal Sc.	
Name of the enterprise	Goat farming
Name & complete address of the entrepreneur	Brajesh Ranjan, S/o Late Lalan Sharma, Village: Shekhpura, Block: Modanganj, Mb. No. 9006040730
Intervention of KVK with quantitative data support:	KVK, Jehanabad, Training of recent technology for goat farming
Time line of the entrepreneurship development	1.5 years
Technical Components of the Enterprise	Stall feeding and open grazing also
Status of entrepreneur before and after the enterprise	His annual income was Rs. 40000/ year before starting goat farming, now his annual net income is Rs. 115000

Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	• Sufficient green fodder grass available in the locality • Related work done by his co-operative society • Goats easily sale in local and near towna
Horizontal spread of enterprise	He shares his knowledge and experience with other farmers

Entrepreneurship development: Animal Sc.	
Name of the enterprise	Poultry farming
Name & complete address of the entrepreneur	Sri Santosh Kumar, S/o Arbind Pd., Deokolimath, Makhdumpur, Mb. No. 9162954690
Intervention of KVK with quantitative data support:	KVK, Jehanabad, Training of poultry farming i.e back yard layer farming also
Time line of the entrepreneurship development	1.8 years
Technical Components of the Enterprise	Back yard layer farming
Status of entrepreneur before and after the enterprise	His annual income was Rs. 12000/ year before starting goat farming, now his annual net income is Rs. 25000
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	• Sufficient locally available feed for poultry • Related work done by his family members • Poultry easily sale in local and near town of Jehanabad
Horizontal spread of enterprise	

- 4.6 Any other initiative taken by the KVK: Kisan Choupal is being organised at every Saturday regularly
List of kisan Choupal:

Date	Village	Block
16.05.2015	Zafarganj	Jehanabad
23.05.2015	Atiyawa	Ghosi
30.05.2015	Dakshini	Kako
06.06.2015	Maniyama	kako
13.06.2015	Kumardiha	Kako
20.06.2015	Milkipar	Modanganj
27.06.2015	Nagma	Kako
04.07.2015	Mandil	Jehanabad
11.07.2015	Tikuliya	Kako
01.08.2015	Dharaut	Makhdumpur
08.08.2015	Lodhipur	Makhdumpur
29.08.2015	Chatar	Kako
19.09.2015	Shahpur	Jehanabad
26.09.2015	Belayi	Ghosi
03.10.2015	Bairagibagh	Jehanabad
10.10.2015	Saidabad	Kako
17.10.2015	Chhapamma	Ghosi
31.10.2015	Karhara	Modanganj

07.11.2015	Rampur Bara	Kako
14.11.2015	Muther	Jehanabad
21.11.2015	Saidpur	Makhdumpur
28.11.2015	Hazisarai	Kako
12.12.2015	Parshurampur	Jehanabad
19.12.2015	Ekil	Makhdumpur
26.12.2015	Mirabigha	Ghosi
02.01.2016	Anantpur	Modanganj
09.01.2016	Modanganj	Modanganj
23.01.2016	Domna Bigha	Modanganj
30.01.2016	Sohe	Jehanabad
06.02.2016	Chadd	Makhdumpur
13.02.2016	Haminagar	Kako
27.02.2016	Dayali Bigha	Modanganj
05.03.2016	Garh Jalalpur	Modanganj
12.03.2016	Mahmudpur	Kako
19.03.2016	Trikol	Jehanabad
26.03.2016	Murari	kako

5.0 LINKAGES

5.1 Functional linkage with different organizations

Name of organization	Nature of linkage
DAO	Diagnostic survey, joint implementation and training
ICARDA	Demonstration, Training, Seed Production.
DHO	Participation in meetings and training.
ATMA	Training, Demonstration and Refinement of technology (OFT)
IFFCO	Training and Demonstration.
Bank	Coordination for Farmers club and SHG formation & functioning.
COMFED	Marketing & Training.
DRDA	Training and Demonstration.
PCRA, Patna	Training
NYK, Jehanabad	Training
NIAM, Jaipur	Training

5.2. List of special programmes undertaken during 2015-16 by the KVK, which have been financed by ATMA/ Central Govt/ State Govt./NABARD/NHM/NFDB/Other Agencies **(information of previous years should not be provided)**

a) Programmes for infrastructure development

Name of the programme/scheme	Purpose of programme	Date/ Month of initiation	Funding agency	Amount (Rs.)
Veg. seed production	Promotion of vegetable & fruit cultivation	Sept. 2014	NHM	100000

(b) Programme for other activities (training, FLD,OFT, Mela, Exhibition etc.)

Name of the programme/scheme	Purpose of programme	Date/ Month of initiation	Funding agency	Amount (Rs.)
Kharif Kisan Sammelan	Awareness and training on kharif crops	22-23 August 2015	ICAR	80000
World Soil Day	Awareness and training soil test and soil test based nutrient application	05.12.2015	ICAR + DAO, Jehanabad	5000 by DAO Jhd
Rabi Kisan Sammelan	Awareness and training on rabi crops	20.02.2015	ICAR	80000
Energy Conservation in Agriculture	Training cum workshop on fuel conservation in agriculture	30 th March, 2015	PCRA, Patna centre	3000
Jai kisan Jai Vigyan Diwas	Importance of science for agriculture	23.12.15	-	-
Training on organic farming	Organic farming	05.08.2015	Regional Institute of Organic Farming, Orissa	Training cost

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

6.1 Performance of demonstration units (other than instructional farm)

Sl. No.	Name of demo Unit	Year of estt.	Area (Sq. mt)	Details of production			Amount (Rs.)		Remarks
				Variety/breed	Produce	Qty.	Cost of inputs	Gross income	
1.	Mushroom Unit	2013	75	-					
2.	Vermi Compost Unit	2014		Worm	Vermi compost	10	-	-	
3.									
4.									
5.									
6.									
7.									
	Total								

6.2 Performance of instructional farm (Crops)

Name Of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.(q)	Cost of inputs	Gross income	

6.3 Performance of Production Units (bio-agents / bio pesticides/ bio fertilizers etc.,)

Sl. No.	Name of the Product	Qty (Kg)	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
1.	Vermi Compost	1000	Used agro-waste of KVK Farm		Used in KVK farm.

6.4 Performance of instructional farm (livestock and fisheries production)

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
1.							
2.							
3.							

6.5 Utilization of hostel facilities

Accommodation available (No. of beds)

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
Oct. 2015	35	8	
Nov. 2015	35	4	
Total :	70	12	

(For whole of the year)

6.6 Utilization of staff quarters

Whether staff quarters has been completed:

No. of staff quarters:

Date of completion:

Occupancy details:

Months	Q I	QII	Q III	QIV	Q V	QVI
April 2014 onwards	✓	✓	✓	✓		

7. FINANCIAL PERFORMANCE

7.1 Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
Saving A/C	PNB (Main)	Kako, jehanabad	231000100338968
Saving A/C	SBI (Main)	BVCC, Patna	11435538045
Saving A/C	PNB (R/F)	Kako, Jehanabad	2321000100338977
Saving A/C	SBI (R/F)	BVCC, Patna	30777637395

7.2 Utilization of funds under FLD on Oilseed (Rs. In Lakhs): N/A

Item	Released by ICAR		Expenditure		Unspent balance as on -
	Kharif	Rabi	Kharif	Rabi	

7.3 Utilization of funds under FLD on Pulses (Rs. In Lakhs): N/A

Item	Released by ICAR		Expenditure		Unspent balance as on 1 st April 2013
	Kharif	Rabi	Kharif	Rabi	

7.4 Utilization of funds under FLD on Maize (Rs. In Lakh)

Item	Released by ICAR		Expenditure		Unspent balance as on 1 st April 2012
	Kharif	Rabi	Kharif	Rabi	
Red Gram			Rs. 3000/-		
TOTAL					

7.5 Utilization of KVK funds during the year 2015-16 (Not audited)

S. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	6680000	6680000	6640272
2	Traveling allowances	150000	150000	150000

3	Contingencies			
A	Stationary, OE, POL	600000	600000	600000
B	Training	375000	375000	374431
C	FLD	250000	250000	207500
D	OFT	125000	125000	88540
E	Maintenance of building	50000	50000	50000
F				
G				
H				
I				
J				
TOTAL (A)		8230000	8230000	8110743
B. Non-Recurring Contingencies				
1	Vehicle (Two Wheeler)	120000	120000	120000
2				
3				
4				
TOTAL (B)		120000	120000	120000
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)		8350000	8350000	8230743

7.6. Status of revolving fund (Rs. in lakh) for last three years

Year	Opening balance as on 1 st April	Income during the year	Expenditure during the year	Net balance in hand as on 1 st April of each year (Kind + cash)
2013-14	1848342.50	1044098.00	365061.00	2527379.50+ (Kind)
2014-15	2527379.50	847155.00	396009.85	2978524.65+ (Kind)
2015-16	2978524.65	875416.00	380421.98	3473518.67+ (Kind 6.42 lakhs)
2015-16 (NHM)	68310	94870	85453	77727+ (Kind Rs. 25000)

7.6.(i) Number of SHGs formed by KVKs (ii) association of KVKs with SHGs formed by other organizations indicating the area of SHG activities.: 10

7.7 Details of marketing channels created for the SHGs

(i) Association of KVKs with SHGs formed by other organizations indicating the area of SHG activities.

- Milk.
- Vegetable production.
- Marigold flower production.
- Goatry.
- Pickles Making.
- Mushroom production.
- Agarbatti Making

7.8. Special programme on Food and Nutrition :

Training on Scientific storage of Food grains to maintain nutrition held on 24.4.15, 04.12.15.

World Food Day was celebrated at 16th Oct. 2015.

Special Programme for Mushroom Production

Training and field Day on Food and Nutrition Security through Lentil Production

7.9. Joint activity carried out with line departments and ATMA

Name of activity	Number of activity	Season	With line department	With ATMA	Both
Kharif Maha Abhiyan	01	Kharif			✓
Rabi Maha Abhiyan	01	Rabi			✓
Krishi Vaigyanik Apke gaon	01	Kharif			✓
Within district exposure visit	01	Rabi	✓		
Infertility Camp	01	Rabi	✓		
Kharif workshop	01	Kharif			✓
Rabi workshop	01	Rabi			✓
Soil health day	01	Rabi			✓
Farmers scientist interaction programme	02	Kharif, Rabi		✓	

8. Other information

8.1. Prevalent diseases in Livestock/Crops/Fishery

Name of the disease	Crop/animal	Date of outbreak	Number of death/ % commodity loss	Number of animals vaccinated
False Smut	Paddy	Nov. 2015	qualitative loss 60 %	
F.M.D	Cow & Buffalo	Oct. 2015	5 %	Vaccination programme conducted by Dept. of Animal Husbandry (Govt. of Bihar)

8.2. Nehru Yuva Kendra (NYK) Training

Title of the training programme	Period		No. of the participant		Amount of Fund Received (Rs)
	From	To	M	F	
Sustainable Bee Keeping	07.10.2015	13.10.2015	35	0	173520.00
Sustainable Bee Keeping	30.10.2015	05.11.2015	35	0	

8.3. PPV & FR Sensitization training Programme

Date of organizing the programme	Resource Person	No. of participants	Registration (crop wise)	
			Name of crop	No. of registration
20.01.2016	KVK, Arwal	05	-	-

8.4. SMS PORTAL

Date of start of functioning of SMS portal								
No. of messages	No. of calls	No. of farmers covered	Types of messages (No.)					
			Crop	Livestock	Weather	Marketing	Awareness	Other
105	105	180903	19	29	2	-	5	48

8.5 Observation of Swacha Bharat Programme

Date of Observation	Activities undertaken
12.03.2016	Awareness and Training on importance of cleanness
07.11.2015	
01.08.2015	

8.6 Observation of National Science day

Date of Observation	Activities undertaken

8.7. Programme with Seema Suraksha Bal (BSF)

Title of Programme	Date	No. of participants
Traing programme for Naxle affected Rural Youth on Vermicompost Production	13-14 Jan 2016	52

8.8 Agriculture Knowledge in rural school:

Name and address of school	Date of visit to school	Areas covered	Teaching aids used
Murari, Kako	26.03.2016	Murari	Training
Belai, Ghosi	29.09.2015	Belai	
Tikulia, Kako	11.07.2015	Tikulia	

8.9. Details of Kharif and Rabi Sammelan (Information should be provided in two separate tables – one for Kharif and another for Rabi Sammelan)

Kharif Sammelan

Name of the state	Name of district/ KVK	Date on which conducted	Number of participants		Name of public representative	Details of Technology Demonstrated and other programmes organized
			Farmers	Others		
Bihar	Jehanabad	22-23 Aug.	433	20	Hon'ble M.P.	Krishak Gosthi cum Training organised on kharif crops

		2015			Jehanabad Dr. Arun Kumar	Exhibition was also put up to showcase the various technologies promoted by the KVK like mushroom, honey, different types of pickles, drudgery reducing farm implements, pashu chocolate, wall hangings made of paddy straw, herbal medicines made of cow urine etc. Technical bulletins published by the KVK were released
--	--	------	--	--	--------------------------	---

Rabi Sammelan

Name of the state	Name of district/ KVK	Date on which conducted	Number of participants		Name of public representative	Details of Technology Demonstrated and other programmes organized
			Far mers	Others		
Bihar	Jehanabad	20.02.2016	342	30	Hon'ble M.P. Jehanabad Dr. Arun Kumar	Exhibition was also put up to showcase the various technologies promoted by the KVK like mushroom, honey, different types of pickles, drudgery reducing farm implements, pashu chocolate, wall hangings made of paddy straw, herbal medicines made of cow urine etc. Seven different types of technical bulletins published by the KVK were released

8.10. Details of Pradhan Mantri Fasal Bima Yojana programme organized

Name of the state	Name of district/K VK	Date on which conducted	Number of participants		Name of public representative	Details of awareness created and other programmes organized
			Farmers	Others		
Bihar	Jehanabad	06.04.2016	1200	20	Dr. Arun Kumar, Hon,ble MP, Jehanabad	• Video film on Pradhan Mantri Fasal Bima Yojna • Farmer scientist interface programme organised • Training on Sensitization

						programme on PMFBY, awareness on PMFBY, benefits of soil health card, water use efficiency, role of animal husbandry and dairying. • KVK has put up exhibits showing various agricultural technologies like Light trap, Pashu Chocolate Machine, Paddy seeder, Drudgery reducing equipments like improved sickle, maize cob Sheller. On this occasion kvk trained 4 farmers also shown their produce /technologies on Beekeeping, vegetable production, medicinal plant etc. whereas 5 stalls were put up by different SHG working in the district. 12 other Stalls were also included with various agricultural inputs and machineries
--	--	--	--	--	--	--

8.11. Contingent crop planning

Name of the state	Name of district/ KVK	Thematic area	Number of programmes organized	Number of Farmers contacted	A brief about contingent plan executed by the KVK
Bihar	Jehanabad	Short duration paddy/crop diversification	56 panchayats	1662	In the view of deficient rainfall, farmers were trained on cultivation of short duration paddy, direct paddy seeding, various aspect of weed management as well as cultivation of contingent crops

8.12. Report on Citizens' Client Charter (attending the requests seeking guidance on agricultural technology and technology products)

Sl. No.	Services/ Transaction	Process	Service Standard	No. of such services attended by KVKs and ATICs during the year	No. of such services pending with KVK/ATIC beyond 30 days
1.	Guidance on Agricultural technology and technology products	Personal contact by the Service Sectors with the responsible person of KVK/ATIC	30 days	1620	Nil

8.13. Community Radio Station

Date of establishment:

Amount of fund received year wise :

Source of fund:

Achievements:

Sr. no	Community Radio Stations (CRS)	No of programmes in the year	Total broadcast hrs in a month	Please specify details of the broadcasts
A.	Agricultural broadcasts • Talks/interviews/discussions with experts, PG students/ and farmers on Agricultural technologies • Agro-climatic conditions, weather and marketing advisory • Phone-in programme of interface with experts • Phone-in programme with interface of progressive/innovative farmers • Success stories of progressive farmers • Success stories in FLD/OFT/ Trainings /Extension activities • Women in agriculture programme • Discussions on current issues in agriculture and allied sectors. • KVK happenings • Agricultural University professors. • Any other(please specify)			
B.	Community development broadcasts Please specify the programmes like rural development, educational, health, environment, public service broadcasts, sports etc.			

8.14 No. of Progressive/Innovative/Lead farmer identified (category wise)

Sl no.	Type of farmer (Innovative/Progressive/Lead)	Block	Name of the farmer	Gender	Age	Address
1	Innovative	Makhdumpur	Smt. Sunita Kumari	Female	32	Vill.-Tehta, Makhdumpur, Jehanabad
2	Innovative	Makhdumpur	Sri Shivnarayan Yadav	Male	45	Vill.- Lohgarh, Makhdumpur
3	Innovative	Modanganj	Arvind Kumar Malviya	Male	48	Vill. -Bandhuganj, Modanganj, Jehanabad
4	Innovative	Modanganj	Kamla Sharma	Male	55	Vill.- Rampur Charui, Modanganj
5	Progressive	Modanganj	Shankar Singh	Male	45	Vill.- Gandhar, Modanganj
6	Progressive	Modanganj	Shyam Narayan Singh	Male	60	Vill.- Bandhuganj, Modanganj
7	Progressive	Modanganj	Gourav Kumar	Male	26	Vill.- Mananpur, Modanganj
8	Progressive	Jehanabad	Nagendra Singh	Male	55	Vill.- Muther, Jehanabad
9	Progressive	Modanganj	Vinay Kumar	Male		Vill.- Mananpur, Modanganj
10	Progressive	Kako	Ganesh Prasad	Male	48	Vill.-Keshopur, Kako, Jehanabad
11	Progressive	Hulasganj,	Manoj Kumar	Male	37	Vill.- Dhongra, Hulashganj
12	Progressive	Jehanabad	Rajdeo Prasad	Male	55	Vill.- Gaurapur, Jehanabad
13	Progressive	Makhdumpur	Nagmani	Male	45	Vill.-Makhdumpur, Makhdumpur
14	Progressive	Kako	Ganesh Prasad	Male	46	Vill.- Keshopur, Kako
15	Progressive	Kako	Girijanandan Prasad	Male	52	Vill.-Khalispur, Kako
16	Progressive	Ghosi	Albela Prasad	Male	55	Vill.- Korma, Ghosi
17	Progressive	Ghosi	Reshma Devi	Female	38	Vill.-Sripur, Ghosi
18	Lead	Modanganj	Nagendra Sharma	Male	52	Vill.- Gandhar, Modanganj
19	Lead	Modanganj	Surendra Prasad Sharma	Male	55	Vill.- Saristabad, Modanganj
20	Lead	Makhdumpur	Indu Devi	Female	38	Vill.- Tehta, Makhdumpur
21	Lead	Modanganj	Kaushal Sharma	Male	36	Vill.- Sakrorha, Modanganj
22	Lead	Modanganj	Laxmikant Azad	Male	48	Vill.- Jaikishunbigha, Modanganj
23	Lead	Modanganj	Pramila Devi	Female	51	Vill.- Bandhuganj, Modanganj
24	Lead	Modanganj	Prem Kumar	Male	50	Vill.- Kurua, Modanganj
25	Lead	Kako	Baidhyanath Sharma	Male	59	Vill.- Afjalpur, Kako

26	Lead	Modanganj	Sant Kumar Sinha	Male	44	Vill.- Sakrorha, Modanganj
27	Lead	Modanganj	Surendra Prasad Singh	Male	54	Vill.- Saistabad, Modanganj
28	Lead	Ghosi	Rama Niwas	Male	39	Vill.- Dehuni, Ghosi
29	Lead	Jehanabad	Manoj Kumar Baidyanath	Male	46	Vill.- Babhana, Jehanabad
30	Lead	Kako	Sharma	Male	58	Vill.- Afjalpur, Kako, Jehanabad

8.15 HRD programmes organized by the KVK

Training programme/ Seminar/ Symposia/ Workshop etc attended	Duration	Name of the participants	Designation	Organizer of the training Programme
Chimney pollution & sound pollution monitoring	1	Dr. Shobha Rani Er. Jeetendra Kumar,	(Programme Coordinator), Scientist (Agril. Engg.)	Bihar State Pollution Control Board, Patna

8.16. Revenue generation:

SL.No.	Name of Head	Income during the year (Rs.)	Expenditure during the year	Balance	Sponsoring agency	Net balance in hand as on 1 st April of each year (Kind + cash)
1	Seed Production Programme	875416.00	380421.98	494994	KVK, Jehanabad	3473518.67+ (Kind 6.42 lakhs)
2	Vegetable seed Prod. Prog.	94870	85453	9417	NHM, KVK, Jehanabad	77727+ (Kind Rs. 25000)

8.17. Resource Generation:

SL.No.	Name of the programme	Purpose of the programme	Sources of fund	Amount (Rs. lakhs)	Infrastructure created
1	Training	To promote Agricultural Marketing	NIAM, Jaipur	48000	
2	Training	To enhance agricultural production and productivity	BGREI	7000	
3	Beekeeping	Beekeeping	NYK, Jehanabad	173520.00	
4	Beekeeping	Beekeeping	NYK, Jehanabad		
5	Fuel conservation in agriculture	Energy conservation in agriculture	PCRA	3000	

6	Lentil seed production	Nutritional Security	ICARDA	Training cost	
7	Lentil seed production	Nutritional Security	ICARDA		
8	Cluster Demonstration	Cluster Demo. on major oilseed & pulses	ICAR	650000	
9	IARI, Barhi Kisan Mela	Exposure visit cum training	ICAR	18341	
10	Kharif Sammelan	To aware farmers regarding latest agricultural technologies related to kharif crops	ICAR	80000	
11	Rabi Sammelan	To aware farmers regarding latest agricultural technologies related to rabi crops	ICAR	80000	
12	PMFBY	To aware farmer regarding crop insurance scheme, other govt. schemes, Organic input production, Water use efficiency enhancement	ICAR	185497	

8.18. Performance of Automatic Weather Station in KVK

Date of establishment	Source of funding i.e. IMD/ICAR/Others (pl. specify)	Present status of functioning
July 2010	IMD, Pune	Needs repairing.

8.19. IPNI Trail (**Applicable for KVKs identified under IPNI trial**)

- I Name of Crop
- II No. of farmers involved
- III Area (ha.)
- IV Date of sowing
- V Crop Season
- VI Result of trial with photographs however detailed results/observation should be sent as per performance after crop harvest

VII Amount Spent

9. Achievement under TSP Project

Name of the village adopted under TSP	Block	Population of the village			ST Population of the village			Percentage of ST population to total population
		M	F	T	M	F	T	

Asset created under TSP

Fund received under TSP in 2015-16:----- lakh

10. PROGRESS REPORT OF NICRA KVK (Technology Demonstration component) 2015-16 (Applicable for KVKs identified under NICRA)

Natural Resource Management

Name of intervention undertaken	Numbers under taken	No of units	Area (ha)	No of farmers covered / benefitted	Remarks
Construction of new check dam	3	3	20	52	For water harvesting and diverting for irrigation of kharif crops
Renovation of water harvesting structure, pond	2	2	-	In process	Harvesting and storage of rain water for supplemental irrigation
Water saving irrigation methods(Sprinkler irrigation in wheat, lentil)	2	2	21	62	Judicious use of water
Vermi compost making	20	20 unit	-	20	For moisture conservation
Dugout pits (Jalkund)	4	4	1.6	4	Ground water harvesting for supplemental irrigation of crops
Miniature pond (5% Model)	5	5	0.66	5	Rain water harvesting for life saving irrigation
Straw mulching			1	6	Moisture conservation during rabi/summer season
Plastic mulching			0.25	2	Moisture conservation during rabi/summer season
Conservation tillage		1	26	10	Crop (wheat) sowing in residual moisture
Field bunding			6.0	14	In-situ moisture conservation for paddy cultivation
Leveling		1	4.0	6	In-situ moisture conservation for paddy cultivation
Water harvesting through renovated ponds	5	5	26.5	84	Use of harvested and stored water for supplemental irrigation of paddy

Crop Management

Name of intervention undertaken	Area (ha)	No of farmers covered / benefitted	Remarks
Short duration crop/ varieties Paddy (Var. Abhishek) Paddy (Var. Susk Samrat) Paddy (Var. Prabhat) Paddy (Var. Komal) Paddy (Var. Chandan) Red Gram (Var. NDA 1) Wheat (HD 2967) Wheat (PBW 373)	0.25 0.25 12.0 10.0 10.0 5.00 10.0 4.00	3 3 25 18 22 20 52 16	Promotion of short duration varieties for less/delayed rain water availability
Promoton of less water requiring crop Lentil (KLS 218) Chickpea (GNG 1581) Fieldpea (Prakash) Mustard (Laxmi Gold) Rai (Pusa Bold)	14 4 3.5 8.0 3.5	38 14 22 32 14	Cultivation of less water requiring crop
Drought tolerant paddy (Var. Sahbhagi) variety	42	38	Drought tolerant paddy
Water saving paddy cultivation method (Direct seeding paddy, prabhat)	20.5	12	Direct seeding of paddy through paddy seeder
Community nurseries for delayed monsoon (Paddy var. MTU-7029, sahbhagi, sabour ardhjal)	2.2	35	Community nurseries using water stored in rennovated ponds
Crop diversification: Finger millet (Var. GPU 45, VR-708, VL352, RAU 8) Pearl millet (var. Pusa composit 612, 443) Red Gram (NDA 1) Linseed (Garima) Chickpea (P 256) Coriander (P. haritima) Turmeric (R. Sonia)	2 4 5 4.5 6 0.6 0.25	7 10 20 11 28 5 20	Cultivation of alternate crop in delayed monsoon condition
Nutrient Management in wheat (Full dose of phosphorus & potash and half dose of nitrogen application at the time of sowing)	28	38	For enhancing nutrient use efficiency
Pest & disease management (Blight management in potato, rust in lentil, aphid in mustard)	18	26	IPM in rabi crops
Location specific			Use of moisture available in diffrent soil

intercropping/ Mixed cropping Linseed(Garima)+ Chickpea (P 256) Lentil (Arun)+ Mustard (P. Gold)	10 6.0	12 14	profiles
Nutritional gardening	0.4	5	Kitchen gardening for nutritional management

Livestock and fisheries

Name of intervention undertaken	Number of animal covered	Number of units	Area (ha)	No of farmers covered / benefitted	Remarks
Animal health camp	60			26	Animal health camp organised in neighbouring village in convergence mode with BVC, Patna
Preventive vaccination	320			155	FMD vaccination for cattle
Deworming of animals	290			162	Fenbendazole distribution in convergence mode
Fodder production			8	110	Rabi fodder production of Jai & Berseem
Backyard poultry	526			32	Vanraja, Gram priya provided to low income farmers
Pashu chocolate machine	5	1		5	For supplemental nutritional diet
Cattle insurance	20			20	Cattle insurance in convergence mode with, COMFED, Jehanaabad
Clean mlk production	60			95	For hygienic milk production in convergence mode with Magadh dairy, Gaya
Breed upgradation(Goat)	10			10	For incresed goat wieght (Goat,Sirohi
Improved shelter for reducing heat stress (Bamboo based poultry shelter)	100	4		4	Bamboo based poultry shelter for reducing heat stress/mortality
Fodder grass on farm bunds			3	25	Shorghum var. MP Chari
Fodder production Jai (JHO 822) Berseem (Vardan) Shorghum (MP Chari) Fodder maize (African tall)			2 5 10 2	18 100 25 8	Fodder availability during rabi season

Institutional interventions

Name of intervention undertaken	No of units	Area (ha)	No of farmers covered / benefitted	Remarks
Fodder seed bank (Jai)		6	35	Fodder seed availability in locality
Custom hiring for timely operation (Zero tillage)		26	10	For timely wheat sowing in residual moisture
Reaper for paddy harvesting)		4	4	Timely paddy harvesting
Community fodder seed production (Jai & berseem)		6	15	Jai & berseem seed production and storage of during rabi season for next year
Community irrigation	12	10	22	Use of deep borewell for crop irrigation on share basis

Capacity building

Thematic area	No. of Courses	No. of beneficiaries		
		Males	Females	Total
Natrural resource management	2	37	2	39
Crop management	1	14	0	14
Water conservation	5	93	8	101
Pest & disease management	4	80	13	93
Value addition	2	27	3	30
Repair & maintenance of farm implements	3	49	0	49
Home Science (Mushromm cultivation)	1	14	0	14
Feed management in poultry	2	47	10	57
Feed management in cattle	1	20	0	20
IDM	1	14	0	14
Income generation	1	24	8	32
Kitchen gardening	2	29	0	29
Farm mechanization training at BAU, Sabour from 28.03.16 to 02.04.2016	1	1	0	1

Extension activities (NICRA)

Thematic area	No. of activities	No. of beneficiaries		
		Males	Females	Total
Method demonstration	7	56	14	70
Agro advisory service	231	251	18	269
Group discussion	8	162	26	188
Diagonostic visit	18	116	24	140
Exposure visit (Kisan Mela)	6	37	0	37
Field day	2	65	7	72
Awareness	1	56	6	62

Integrated farming system	1	3	0	3
---------------------------	---	---	---	---

Detailed report should be provided in the circulated Performa

11. National Initiative on Fodder Technology Demonstration (NIFTD)
(Applicable for KVKs identified under NIFTD)

Name of the fodder crop	Date of sowing	Area (ha)	No. of farmers involved	Demonstration Yield (q/ha)			Check Yield			% increase
				H	L	A	H	L	A	
Maize	28.7.15	0.2	7	640	560	600	545	520	535	12.4
Sorghum	28.7.15	0.2	6	480	420	450	450	420	435	3.44
Jai	7.11.15	0.2	16	560	530	545	490	450	470	16
Berseem	6.11.15	0.2	5	670	620	645	620	600	610	0.57
Hybrid Napier	Nov. Dec. 15	0.2	30	-	-	3	Newly introduced			

Economic of Demonstration

Name of the fodder crop	Demonstration Cost/Rs/ha			Check Cost (Rs/ha)		
	Gross cost	Gross return	BC ratio	Gross cost	Gross return	BC ratio
Maize	9522	60000	6.3	8848	53500	6.0
Sorghum	9700	40000	4.1	12000	43000	3.5
Jai	13000	54000	4.1	12500	47000	3.4
Berseem	15000	64500	4.3	14500	61000	4.2

12. Awards/Recognition received by the KVK

Sl. No.	Name of the Award	Year	Conferring Authority	Amount	Purpose
1.	Best KVK Scientist Award	2015	Indian Society of extension education	Certificate	Best extension service

Award received by Farmers from the KVK district

Sl. No.	Name of the Award	Name of the Farmer	Year	Conferring Authority	Amount	Purpose
1.	Progressive Farmer Award	Sri Shankar Singh	2016	BAU, Sabour	Certificate	Progressive Farmer
2.	2 nd Prize	Sri Ganesh Prasad	2016	BAU, Sabour	Certificate	Quality Cabbage Production
3.	3 rd Prize	Sri Ganesh Prasad	2016	BAU, Sabour	Certificate	Quality Radish Production

13. Any significant achievement of the KVK with facts and figures as well as quality photograph

14. Any other programme organized by KVK not covered above