Annual Progress Report
(April 2013-March 2014)

Krishi Vigyan Kendra Manpur, Gaya

Directorate of Extension Education

Bihar Agricultural University, Sabour, Bhagalpur

PROFORMA FOR ANNUAL REPORT 2013-14 (April 2013 to March 2014)

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	
Krishi Vigyan Kendra, Manpur Gaya - 823003			kvkmanpurgaya@gmail.com

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

Address	Telephone		E mail
	Office	FAX	
Vice-Chancellor, Bihar Agricultural University, Sabour, Bhagalpur	0641-2452606	0641-2452606	vcbausabour@gmail.com

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. S. Chaurasia		8987193648	kvkmanpurgaya@gmail.com

1.4. Year of sanction of KVK: F. No. 18-13/94-AE-I dt. 24.03.06

1.5. Staff Position (as on 1st April, 2014)

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. S. Chaurasia	PC	Plant Pathology	(15600-39100) 31230/-	02-05-2012	Permanent	OBC
2	Subject Matter Specialist	Dr. Nidhi Sinha	SMS	Home. Sc.	(15600-39100) 27400/-	09-08-2007	Permanent	Others
3	Subject Matter Specialist	Dr. Govind Kumar	SMS	Agronomy	(15600-39100) 24320/-	11-06-2009	Permanent	Others
4	Subject Matter Specialist	Dr. Ranjeet Kumar	SMS	Entomology	(15600-39100) 21630/-	13-04-2012	Permanent	OBC
5	Subject Matter Specialist	Dr. Anil Kumar Ravi	SMS	Vet. Sc.	(15600-39100) 21630/-	20-04-2012	Permanent	SC
6	Subject Matter Specialist						Vacant	
7	Subject Matter Specialist						Vacant	
8	Programme Assistant	Smt. Neha	Programme Assistant (Lab. Tech.)	B. Sc. (Ag)	9300-34800 13910/-	02-11-2012	Permanent	OBC
9	Computer Programmer	Sri Ved Prakash	Programme Assistant (Computer)	MCA	9300-34800 13500/-	20-05-2013	Permanent	OBC
10	Farm Manager	Sri Mukesh Kumar	Farm Manager	M. Sc. (Ag) (Ext.Edu.)	9300-34800 13910/-	30-10-2012	Permanent	OBC
11	Accountant / Superintendent	Sri Prem Kumar	Assistant	MBA in Finance	9300-34800 13500/-	13-04-2013	Permanent	EBC
12	Stenographer	Sri Patwardhan Kumar	Stenographer	MA	5200-20200 9910/-	04-07-2013	Permanent	OBC
13.	Driver	Akhilesh Kumar	Jeep driver	Matric	5400/- (consolidated)			Others
14.	Supporting staff	Ravindra Kumar	Tractor Driver		5746/- (consolidated)			
15.	Supporting staff	Shri Kokila Nand Pandey	Chowkidar		4200/- (consolidated)			Others
16.	Supporting staff							

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

S. No.	Item	Area (ha)
1	Under Buildings	1.2
2.	Under Demonstration Units	-
3.	Under Crops	4.0
4.	Orchard/Agro-forestry	4.0
5.	Others with details	0.8
	Total	10 ha

Total area should be matched with breakup

1.7. **Infrastructure Development:**

A) Buildings and others

S. No.	Name of building	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					handed Over		ICAR/RAU	
2.	Farmers Hostel					handed over			
3.	Staff Quarters (6)								
4.	Piggery unit								
5	Fencing	3900^{ft} Approx				Only two side (2200 ^{ft}) Approx			
6	Rain Water harvesting structure								
7	Threshing floor					Handed Over			
8	Farm godown					Handed Over		RKVY	
9.	Dairy unit								
10.	Poultry unit								
11.	Goatary unit								
12.	Mushroom Lab								
13.	Mushroom production unit								
14.	Shade house								
15.	Soil test Lab								
16.	Others, Please Specify								
17.	Mali shade					Handed Over		NHM	
18.	Farm Godown					Handed Over		RKVY	
19.	Generator Room					Handed Over		RKVY	
20.	Sale Counter								

* 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 2WD7STR Non AC BS11	2006	458070.00	167692	Not Working
Tractor DIJ MF1035 /Mahashakti	2006	386544.00		Working

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
Honey box & Accessories	2011		Satisfactory	
Steel Dram	2007		Satisfactory	
Godrej Book selves & Almirah	2007		Satisfactory	
Computer with accessories	2007		Satisfactory	
Inverter	2010		Satisfactory	
Exide II550 Battery	2011		Satisfactory	
Index card reader	2010		Satisfactory	
Punch sealer Machine	2011		Satisfactory	
LCD Projector	2011		Satisfactory	
Generator	2011		Satisfactory	
Book self	2011		Satisfactory	
Inverter	2012	37500	Satisfactory	
Exide Battery (2)	2012	49145	Satisfactory	
Computer with acessories	2012	98092	Satisfactory	
Godrej almirah 1,Table 4, Chair 10, Revolving 1, Rack 1	2013		Satisfactory	
Godrej almirah 9	2014		Satisfactory	
Photocopier Machine			Satisfactory	

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
Disc Harrow	2006		Working	
MB plough	2006		Working	
Hydraulics trailer	2006		Working	
Tiller/cultivator	2006		Working	
Cage wheel	2006		Working	
Leveler	2006		Working	
Zero Till Machine	2011		Working	
Pump Set	2008		Working	
Conoweeder	2009		Working	
Tube well 5H.P Kiloshker	2008		Working	
weight Machine	2011		Working	
Zero tillage	2011		Working	
Rotavator	2011		Working	
Reaper	2011		Working	
Seed processing unit	2011		Working	
Lazer land leveler	2012	376000	Working	
Power Thresher	2014		Working	
Rotavator	2014		Working	
Power Reaper	2014		Working	

1.8. A). Details SAC meeting* conducted in the year

th SAC Meeting conducted in the year: 2013

Sl. No.	Date	Number of Participants	Salient Recommendations	Action taken	If not conducted, state reason
1.	10.09.2013	60	Work Plan of KVK should be presented in Hindi in the next SAC meeting.	Stenographer	
2.			Copy of Quarterly Training schedule should be circulated among the district officials, NGOs and the stake holders.	Programme Assistant (Lab.)	
3.			District level Seminar should be organized at Centre for different Stake holders and innovative farmers.	Programme Coordinator	
4.			Soil testing for each and every cultivable plot of KVK farm should be ensured after Kharif 2013.	SMS (Agronomy)	
5.			Message through KMAS should be sent time to time on regular basis.	Programme Assistant (Computer)	
6.			Data related to Vocational Training must always be interpreted in terms of their adoption percentage.	All SMS	
7.			OFT on insecticide in management of yellow stem borer in Paddy should be revised and recasted with one more treatment.	SMS (Entomology)	
8.			OFT on efficacy of Emamectin Benzoate 5SG against brinjal shoot and fruit borer needs recasting by adding one more technology option of Neem Oil.	SMS (Entomology)	
9.			OFT on assessment of base materials for oyster production should be revised and recasted by including one more option of Wheat + Rice + Maize.	SMS (Home Sc.)	
10.			OFT on 'Iron Rich Diet' should also required revision and recasting by including one more combination of treatment as technology option 3.	SMS (Home Sc.)	
11.			Front Line Demonstration on Mushroom numbers of beneficiaries should be increased.	SMS (Home Sc.)	
12.			Seed treatment with Rizobium culture should be included in FLD on Pulses.	SMS (Agronomy)	
13.			Performance evaluation of different age of seedling in terms of their yield must be analysed under FLD on Rice.	SMS (Agronomy)	
14.			FLD on nursery tray must be organised for awareness of flower/vegetable growers.	Programme Coordinator	
15.			All OFT, FLD and other activities should be presented along with their suitable photographs.	All SMS	
16.			KVK should have to organise training programmes with support of DAO and ATMA for dealers and retailers of fertilizers and chemicals for their basic concept and knowledge.	Programme Coordinator	
17.			There should be at least two female members in every SAC Meeting.	Programme Coordinator & SMS (Home Sc.)	
18.			As per recommendation of Scientific Advisory Committee, it was decided that one Trial of OFT should be conducted at KVK's Farm.	All Scientists	
19.			Project on Mushroom Spawn unit should be submitted to NABARD for further action.	SMS (Home Sc.)	
20.			Scientific Advisory Committee decided that Goatry Unit must be	SMS (Animal Sc.)	

			converted into Poultry demonstration Unit for popularisation of poultry production in Gaya,		
21.			All adopted village should be nominated one scientist as Nodal Officer including Programme Coordinator for PRA, case studies, success stories and other KVK's activities.	All Scientists & Programme Coordinator	

** Salient recommendation of SAC in bullet form*
Attach a copy of SAC proceedings along with list of participants

Participants:

1. Dr. R. K. Sohane, DEE, BAU, Sabour, Bhagalpur.
2. Dr. A. P. Singh, RD, ARI, Patna
3. Dr. S. Chaurasia, P.C., KVK, Gaya
4. Sri Arun Kumar, Dy. Director Agriculture, Gaya
5. Sri Sudama Mahto, District Agriculture Officer, Gaya
6. Sri Sharda Nath, DDM, NABARD, Gaya
7. Sri R. K. Singh, LDM, Gaya
8. Sri Niraj Kumar Verma, APD, ATMA, Gaya
9. Sri Sudama Singh, Zila Paramarshi, NFSM, Gaya
10. Dr. Sunil Kumar, Block Animal Husbandry Officer, Manpur, Gaya
11. Sri Sunil Kr. Ajay, Junior Plant Protection Officer, Gaya
12. Sri Uchit Prasad Singh, Horticulture Inspector, Gaya
13. Sri Chandeshwar Choudhary, J.E., BVC, Patna
14. Sri Devendra Pathak, Plant Protection Inspector, Manpur, Gaya
15. Sri Shashi Kumar, Progressive Farmer, Surhari, Gaya
16. Sri Ram Sevak Pd. (Kisan Ratna), Kesapi, Gaya
17. Sri Rakesh Kr. Singh, Progressive Farmer, Barorah, Gaya
18. Sri Rameshwar Prasad, Progressive Farmer, Kalauakhurd, Gaya
19. Sri Surendra Singh, Progressive Farmer, Rasalpur, Gaya
20. Sri Mahendra Kr. Singh, Progressive Farmer, Barachatti, Gaya
21. Sri Suryadeo Mehta, Progressive Farmer, Punawa, Gaya
22. Sri Ramdip Singh, Progressive Farmer, Ranibigaha, Gaya
23. Sri Jagdish Singh Arya, Progressive Farmer, Mirzapur, Gaya
24. Smt. Sangita Devi, Progressive Farmer, Lakhanpur, Gaya
25. Sri Anirudh Pandey, Progressive Farmer, Lodipur, Gaya
26. Sri Birendra Singh, Press Reporter, Hindustan, Gaya
27. Sri Mithilesh Kr.Sinha, Press Reporter, Dainik Jagaran, Gaya
28. Sri Uday Shankar Pd., Press Reporter, Prabhat Khabar, Gaya
29. Sri Arun Kishor Chandan, Press Reporter, Aaj, Gaya
30. Sri Rajani Bhushan, Basix, Gaya
31. Sri Pramod Goran (PRAN Gaya)

2. DISTRICT LEVEL DATA ON AGRICULTURE, LIVESTOCK AND FARMING SITUATION (2013-14)

2.1 Major farming systems/enterprises (based on the analysis made by the KVK)

S. No	Farming system/enterprise
1.	Paddy - Wheat – Moong
2.	Paddy – Lentil – Fallow
3.	Paddy – Rai – Moong
4.	Paddy – Sugarcane
5.	Paddy – Potato - Vegetable
6.	Maize – Potato – Vegetable
7.	Dairy, Poultry, Bee keeping and Fishery are important enterprises adopted by selective farmers.

2.2 Description of Agro-climatic Zone (based on soil and topography)

S. No	Agro-climatic Zone	Characteristics
1.	Zone – IIIB	Climate is subtropical having average annual rainfall 944 mm. June is the hottest month when temperature goes up to 49^0C while December is the coldest month when temperature goes down to 2^0C. Average Relative Humidity is 66%

2.3 Description of major agro ecological situations (based on soil and topography)

S. No	Agro ecological situation	Characteristics
1.	Irrigated Plain (Sandy-loam to loam soil)	The geographical area of the district is 493774 ha. Out of which Cultivable land is 198123 ha, comprising upland (49765 ha) medium land (110874ha) and low land (37484 ha). Major crop is paddy followed by wheat & vegetables. Among oil seeds & pulses rai, linseed, lentil, gram and red gram are important crops.
2	Rainfed Plain (Sandy Loam, Light to heavy texture Soil)	
3.	Hilly Upland (Rainfed, Undulating topography)	

2.4 Soil type/s

S. No	Soil type	Characteristics
1.	Sandy Loam	Admixture of sand & Clay, predominantly sandy, found alongside the river beds.
2.	Loamy soil	Found near the hills and formed by rains washings from higher area.
3.	Sandy soil	Locally known as balui, found near the bank of the river.
4.	Kewal Soil (Black)	It is a mixture of clay and loam and is very productive acidic in nature.
5.	Foot hill Balthar Soil (Red)	It is in between the plain and dissected plateau. It is acidic in nature.

2.5 Area, Production and Productivity of major crops cultivated in the district

S. No	Crop	Area (ha)	Production (Kg)	Productivity (Kg /ha)
Kharif				
1.	Paddy	190955	640153	3352
2.	Maize	6763	6270	927
3.	Marua	308	233	756
4.	Arhar	4386	3874	883
5.	Urad	1438	803	558
6.	Moong	3223	1713	531
7.	Kulthi	78	44	564
8.	Groundnut	892	629	705
9.	Til	956	529	55.3
10.	Castor	89	43	483
11.	Sunflower	86	50	581
Rabi				
1.	Wheat	82729	142956	1728
2.	Maize	2418	4531	1874
3.	Barley	2328	1136	488
4.	Gram	34823	17237	495
5.	Lentil	20686	6247	302
6.	Pea	3045	1248	410
7.	Other Pulses			
8.	Linseed	7071	3924	555
9.	Rai/Sarson	12942	9344	722
10.	Sunflower	161	94	582

2.6 Weather data

Month	Rainfall (mm)	Temperature ^{0} C		Relative Humidity (%)
		Maximum	Minimum	
Apr' 13	0.0			
May'13	1.61			
Jun' 13	0.00	42-48		
Jul' 13	240.4			
Aug'13	648.6			
Sep' 13	49.2			
Oct' 13	10.5			
Nov' 13	0.0			
Dec' 13	0.0		02-05	
Jan' 14	0.0			
Feb' 14	0.0			
Mar'14	0.0			

2.7 Production and productivity of livestock, poultry, fisheries etc. in the district

Category	Population	Production	Productivity
Cattle			
Crossbred	10027		
Indigenous	293436		
Buffalo	254729		
Sheep	18145		
Crossbred			
Indigenous			
Goats	445546		

Pigs	122914		
Crossbred			
Indigenous			
Rabbits			
Poultry	892833		
Hen			
Desi			
Improved			
Duck			
Turkey and others			
Category	**Area**	**Production**	**Productivity**
Fish			
Marine			
Inland			
Prawn			
Scampi			
Shrimp			

2.6 Details of operational area / villages (2013-14)

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		Manpur	Lakhanpur	Paddy, Wheat, Potato, Rai, Vegetables, Maize, Mushroom,	Use of non-recommended Pesticide, Use of traditional varieties	Seed Production / Vermi compost IPM INM Use of bio fertilizer,Anastrus in milch animal,
2		Chandauti	Rasalpur	Paddy, Wheat, Vegetable,	-Use of non-recommended Pesticide, Use of traditional varieties	High incidence of insect pest
3		Bodh Gaya	Sekhwara	Vegetable, Paddy, Wheat, Dairy, Vermi compost	-Use of non-recommended Pesticide, Use of traditional varieties	-do-
4		Wazirganj	Punawa	Paddy, Mushroom apiary, flower &Vegetable	Lack of irrigation facilityUse of non-recommended Pesticide, Use of traditional varieties	-do-
5		Khizersarai	santinagar	Vermicompost, Haldi, Poultry, Goatry	-Use of non-recommended Pesticide, Use of traditional varieties	-do-

2.7 Priority thrust areas

S. No	Thrust area
1.	Introduction and popularization of improved varieties of cereals, pulses and oil seed crops.
2.	Seed production of cereals, oil seed & horticultural crops.
3.	To popularize improved cultivation techniques of different horticultural crops.
4.	Integrated nutrient management (INM) and pest management (IPM)
5.	Income and employment generation through Goatray,poultry, vermi-compost, dairy, beekeeping, mushroom cultivation & preservation of fruits & vegetable.
6.	Improvement of milch cattle through hybridization and proper care.

3. TECHNICAL ACHIEVEMENTS

3. A. **Details of target and achievement of mandatory activities by KVK during 2013-14@**

OFT				FLD			
Number of OFTs		Number of farmers		Number of FLDs		Number of farmers	
Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
10	11	100	138	12	13	240	310

Training				Extension activities			
Number of Courses		Number of Participants		Number of activities		Number of participants	
Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
65	111	1300		21	17	3273	4000

Seed production (q)		Planting material (Nos.)	
Target	Achievement	Target	Achievement
100	165.60	-	106

@Target should match with your midterm report

3.1 Achievements on technologies assessed and refined

OFT-1

<table>
<tr><td>1.</td><td>Title of On farm Trial</td><td>System Evaluation for rice cultivation under changed climatic condition</td></tr>
<tr><td>2.</td><td>Problem diagnose</td><td>Resources like labour and water are scarce, Methane emission is another problem from puddled paddy field.</td></tr>
<tr><td>3.</td><td>Details of technologies selected for assessment/refinement</td><td>I. Manual transplanting (21days old, root washed seedling) + Pretilachlor 50% EC@ 1.5 lit /ha as pre-emerg.
II. Glyphosate 41 % SL @ 2.0 lit /ha, 10- 15 days before seeding + Pre- germinated seeding on moist field by Paddy Drum Seeder + 2, 4- D 38 % EC @ 1.3 lit/ ha after 25- 30 DAS.
III. Glyphosate 41 % SL @ 2.0 lit /ha, 10- 15 days before seeding + Pre- germinated seed broadcasting on moist field + 2, 4- D 38 % EC @ 1.3 lit/ ha after 25- 30 DAS.</td></tr>
<tr><td>4.</td><td>Source of Technology</td><td>G.B. Pant. Uni. Agri. & Tech, Pantnagar</td></tr>
<tr><td>5.</td><td>Production system and thematic area</td><td>Rice – wheat cropping system</td></tr>
<tr><td>6.</td><td>Performance of the Technology with performance indicators</td><td>
<table>
<tr><th>T.O.</th><th>No. of trials</th><th>Variety</th><th>No. of tillers /sq. m</th><th>Grains /earhead</th><th>1000 grain wt.(g)</th><th>Yield Q/ha</th><th>Gross Cost (Rs.)</th><th>Gross Return</th><th>Net Return</th><th>BCR</th></tr>
<tr><td>T 1</td><td>10</td><td>R. Sweta</td><td>241.5</td><td>275.2</td><td>16.94</td><td>47.75</td><td>31350</td><td>69237</td><td>37887</td><td>2.21</td></tr>
<tr><td></td><td>10</td><td></td><td>238.7</td><td>268.6</td><td>16.37</td><td>45.6</td><td>26710</td><td>66120</td><td>39410</td><td>2.47</td></tr>
<tr><td></td><td>10</td><td></td><td>235.2</td><td>267.4</td><td>16.35</td><td>45.35</td><td>26500</td><td>62857</td><td>36357</td><td>2.37</td></tr>
</table>
</td></tr>
<tr><td>7.</td><td>Final recommendation for micro level situation</td><td>After assessing different method of rice establishment , it may be concluded that under limited resources small and marginal farmer should adopt direct seeding of rice using paddy drum seeder which is cost effective eco friendly and having high benefit cost ratio.</td></tr>
<tr><td>8.</td><td>Constraints identified and feedback for research</td><td>Lack of trained labours in operating paddy drum sheeder is a major constraint. It may replaced through zero – tillage machine.</td></tr>
<tr><td>9.</td><td>Process of farmers participation and their reaction</td><td>Initially farmers were not interested in adopting DSR through different methods. But with the outcomes and result they are realizing the benefits of this technology.</td></tr>
</table>

OFT-2

1.	Title of On farm Trial	Assessment of different herbicides (new molecules) for controlling weeds in Wheat.
2.	Problem diagnose	High infestation of weeds causes yield reduction (Av. up to 30%)
3.	Details of technologies selected for assessment/refinement	I Framers Practice II. Pendimethalin 30 % EC @ 3.3 lit/ ha as pre-emergence. iii. Clodinafop Proparyl 15 % WP @ 400 gm/ ha as post- emergence at 35- 40 DAS. Iv. Sulfosulfuron 75 % WG + Metsulfuron methyl 5 % WG @ 40 gm/ ha as post-emergence at 35- 40 DAS.
4.	Source of Technology	**:** G.B. Pant. Uni. Agri. & Tech, Pantnagar
5.	Production system and thematic area	Rice – wheat cropping system, weed management
6.	Performance of the Technology with performance indicators	Result Awaited
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

OFT-3

<table>
<tr><td>1.</td><td>Title of On farm Trial</td><td>Efficacy of some insecticide against yellow stem borer (Scirpophaga incertulus L) in Paddy.</td></tr>
<tr><td>2.</td><td>Problem diagnose</td><td>Infestation of yellow stem borer in Gaya district are moderate to severe and causing 15-20% yield loss every year farmers of Gaya district are using generally older insecticides.</td></tr>
<tr><td>3.</td><td>Details of technologies selected for assessment/refinement</td><td>Farmers Practice: Chlorpyriphosh 20 EC @ 2000 ml/ha
Technology Option 1: Fipronil 0.3 % GR @ 25kg/ha at 25-30 DAT & fipronil 5% SC @ 1000 ml/ha at 60-65 DAT.
Technology Option 2: Triazophosh 40 EC @ 1000 ml/ha at 60-65 DAT.</td></tr>
<tr><td>4.</td><td>Source of Technology</td><td>GBPUA&T, Pantnagar, Uttarakhand</td></tr>
<tr><td>5.</td><td>Production system and thematic area</td><td>Rice – wheat cropping system, IPM</td></tr>
<tr><td>6.</td><td>Performance of the Technology with performance indicators</td><td>
<table>
<tr><th>T.O.</th><th>No. of trials</th><th>Variety</th><th>%Dead 30</th><th>60 DAT</th><th>90 DAT</th><th>Yield Q/ha</th><th>Gross Cost (Rs.)</th><th>Gross Return</th><th>Net Return</th><th>BCR</th></tr>
<tr><td>F.P.</td><td>10</td><td>Sahbhagi</td><td>4.89</td><td>8.57</td><td>20.87</td><td>34.12</td><td>28200</td><td>45500</td><td>17300</td><td>1.61</td></tr>
<tr><td>T.O. 1</td><td>10</td><td>Sahbhagi</td><td>0.99</td><td>0.10</td><td>0.00</td><td>42.38</td><td>31100</td><td>56514</td><td>25414</td><td>1.81</td></tr>
<tr><td>T.O. 2</td><td>10</td><td>Sahbhagi</td><td>1.82</td><td>0.98</td><td>1.02</td><td>39.57</td><td>30800</td><td>52767</td><td>21967</td><td>1.71</td></tr>
</table>
</td></tr>
<tr><td>7.</td><td>Final recommendation for micro level situation</td><td>The performance of the trial indicated that application of fipronil 0.3% GR @ 25kg /ha at 25-30 DAT and fipronil 5% SC @ 1000 ml/ha at 60-65 DAT is economical & helpful to keep the insect population below ETL. Application of Triazophosh 40 EC @ 1000 ml/ha at 60-65 DAT is also performed better than farmers practices.</td></tr>
<tr><td>8.</td><td>Constraints identified and feedback for research</td><td>The cost of fipronil & Triazophosh is more than farmer practices e.g. chlorpyriphosh. Proper method of spraying is major constraints at farmers field level, but performance is highly satisfactory among farming communities.</td></tr>
<tr><td>9.</td><td>Process of farmers participation and their reaction</td><td>Farmers of Gaya district are appreciated for the information & application of newer & safer insecticides to check the insect population below economic injury level. Farmers are agree to adopt this technology at large scale in coming season.</td></tr>
</table>

OFT-4

<table>
<tr><td>1.</td><td>Title of On farm Trial</td><td>Efficacy of some insecticide against fruit & Shoot borer(Leucinodes arbonalis L) in brinjal.</td></tr>
<tr><td>2.</td><td>Problem diagnose</td><td>• About 25-30% yield loses due to infestation of fruit & shot borer.
• Farmers are using synthetic pyrithoraids for the management of fruit ann shoot borers.</td></tr>
<tr><td>3.</td><td>Details of technologies selected for assessment/refinement</td><td>Farmers Practice- Chloropyriphosh 20 EC @ 200 ml/ha.
Technology Option 1- Emamectin Benzoate 5 SG @ 250 g/ha
Technology Option 2- @ 500 ml/ha</td></tr>
<tr><td>4.</td><td>Source of Technology</td><td>G.B.P.U.A &T. Pantnagar/AIRCP vegetable</td></tr>
<tr><td>5.</td><td>Production system and thematic area</td><td>Rice wheat cropping system, followed by vegetable cultivation, IPM</td></tr>
<tr><td>6.</td><td>Performance of the Technology with performance indicators</td><td>
<table>
<tr><th>T.O.</th><th>No. of trials</th><th>Variety</th><th>%affected plant</th><th>%affected fruit</th><th>Yield Q/ha</th><th>Gross Cost (Rs.)</th><th>Gross Return</th><th>Net Return</th><th>BCR</th></tr>
<tr><td>F.P.</td><td>12</td><td>VNR hybrid</td><td>18.43</td><td>20.19</td><td>211</td><td>48500</td><td>221550</td><td>173050</td><td>4.56</td></tr>
<tr><td>T.O. 1</td><td>12</td><td>VNR hybrid</td><td>2.16</td><td>0.72</td><td>254</td><td>51500</td><td>266700</td><td>215200</td><td>5.17</td></tr>
<tr><td>T.O. 2</td><td>12</td><td>VNR hybrid</td><td>3.27</td><td>1.07</td><td>251</td><td>50500</td><td>263550</td><td>213050</td><td>5.21</td></tr>
</table>
</td></tr>
<tr><td>7.</td><td>Final recommendation for micro level situation</td><td>The performance of the trial indicated that spraying of Emamection Benzoate 5 SG @ 250 g/ha after first initiation of fruit and shoot borer are highly effective followed by indoxacarb 14.5 EC @ 500 ml/ha. Both are insecticides are economical and able to suppress pest population below economic threshold level.</td></tr>
<tr><td>8.</td><td>Constraints identified and feedback for research</td><td>The cost of Emamectin Benzoate 5 SG and Indoxacarb 14.5 EC is more than Chloropyriphosh 20 EC, but this cost compensate by their low rate of application and high efficacy against fruit and shoot borer of brinjal.</td></tr>
<tr><td>9.</td><td>Process of farmers participation and their reaction</td><td>Farmers of Gaya district are highly satisfied with efficacy of new insecticides against fruit and shoot borer and they are agreed to adopt this technology at large scale in future.</td></tr>
</table>

OFT-5

<table>
<tr><td>1.</td><td>Title of On farm Trial</td><td>Efficacy of some insecticides against Spodoptera litura and Plutella xyllostella in cauliflower.</td></tr>
<tr><td>2.</td><td>Problem diagnose</td><td>About 15-20% damage caused by Spodoptera litura and Plutella xyllostella in cauliflower.
Farmers are using chlorpyriphos 20 EC for their management.</td></tr>
<tr><td>3.</td><td>Details of technologies selected for assessment/refinement</td><td>Farmers practice - Chlorpyriphos 20 EC @ 2000 ml/ha.
Technology Option 1: Indoxacarb 14.5 EC @500ml/ha.
Technology Option 2: Novaluron 10EC @ 500ml/ha.</td></tr>
<tr><td>4.</td><td>Source of Technology</td><td>G.B.P.U.A &T. Pantnagar/AIRCP vegetable</td></tr>
<tr><td>5.</td><td>Production system and thematic area</td><td>Rice- vegetable cropping system, IPM</td></tr>
<tr><td>6.</td><td>Performance of the Technology with performance indicators</td><td>
<table>
<tr><th>T.O.</th><th>No. of trials</th><th>Variety</th><th>%Affected leaves</th><th>%Affected curd</th><th>Yield Q/ha</th><th>Gross Cost (Rs.)</th><th>Gross Return</th><th>Net Return</th><th>BCR</th></tr>
<tr><td>F.P</td><td>12</td><td>NH - 120</td><td>16.47</td><td>24.26</td><td>161</td><td>50200</td><td>169050</td><td>118850</td><td>3.36</td></tr>
<tr><td>T.O 1</td><td>12</td><td>NH - 120</td><td>3.89</td><td>1.58</td><td>200</td><td>52500</td><td>210000</td><td>157500</td><td>4.02</td></tr>
<tr><td>T.O 2</td><td>12</td><td>NH - 120</td><td>3.72</td><td>1.92</td><td>189</td><td>52000</td><td>198450</td><td>146450</td><td>3.81</td></tr>
</table>
</td></tr>
<tr><td>7.</td><td>Final recommendation for micro level situation</td><td>Results of trial indicated that spraying of Indoxacarb 14.5 EC after first indication of borer in cauliflower is suppress the pest population below economic threshold level followed by Novaluron 10EC. Both the technology is highly effective against Spodoptera litura and Plutella xyllostella in cauliflower.</td></tr>
<tr><td>8.</td><td>Constraints identified and feedback for research</td><td>The cost of Indoxacarb 14.5 EC and Novaluron 10EC is more than Chlorpyriphos 20 EC, but their low rate of application and highly satisfactory efficacy among farming community has been observed.</td></tr>
<tr><td>9.</td><td>Process of farmers participation and their reaction</td><td>Newly insecticides with higher degree of performance in communities may enhance the production of cauliflower and farmers are agreed to adopt this technology at large scale in future.</td></tr>
</table>

OFT-6

<table>
<tr><td>1.</td><td>Title of On farm Trial</td><td>Efficacy of some fungicides against late blight of potato phytophthora infestance.</td></tr>
<tr><td>2.</td><td>Problem diagnose</td><td>20-25% yield losses due to infection of phytophthora infestance.</td></tr>
<tr><td>3.</td><td>Details of technologies selected for assessment/refinement</td><td>Farmers practice – Mancozab @2500gm/ha
Technology Option 1: Cymoxanil 8% + mancozab 64% @1000 gm/ha.
Technology Option 2: Metalexil 8% + mancozab 64% @ 2500gm/ha.</td></tr>
<tr><td>4.</td><td>Source of Technology</td><td>CPRI, Shimla</td></tr>
<tr><td>5.</td><td>Production system and thematic area</td><td>Rice – potato, IPM</td></tr>
<tr><td>6.</td><td>Performance of the Technology with performance indicators</td><td>
<table>
<tr><td>T.O.</td><td>No. of trials</td><td>Variety</td><td>%Severity</td><td>Yield Q/ha</td><td>Gross Cost (Rs.)</td><td>Gross Return</td><td>Net Return</td><td>BCR</td></tr>
<tr><td>P.F</td><td>14</td><td>K.Ashoka</td><td>31.79</td><td>163</td><td>76000</td><td>142625</td><td>66625</td><td>1.87</td></tr>
<tr><td>T.O 1</td><td>14</td><td>K.Ashoka</td><td>7.27</td><td>198</td><td>79500</td><td>173250</td><td>93750</td><td>2.17</td></tr>
<tr><td>T.O 2</td><td>14</td><td>K.Ashoka</td><td>11.61</td><td>182</td><td>78650</td><td>159250</td><td>80600</td><td>2.02</td></tr>
</table>
</td></tr>
<tr><td>7.</td><td>Final recommendation for micro level situation</td><td>Results of trial indicated that application of Cymoxanil 8% + mancozab 64% @1000 gm/ha found superior among technology followed by Metalexil 8% + mancozab 64% @ 2500gm/ha. This fungicide may helpful in yield enhancement over farmers practices.</td></tr>
<tr><td>8.</td><td>Constraints identified and feedback for research</td><td>The cost of fungicide higher than than mancozab but their efficacy against phytophthora infestance is highly appreciable.</td></tr>
<tr><td>9.</td><td>Process of farmers participation and their reaction</td><td>Newer combination of fungicides may check the infection of phytophthora infestance and increase the production of farmer level. Farmers are agreed to adopt this technology at large scale in comming season.</td></tr>
</table>

OFT-7

1.	Title of On farm Trial	Comparative efficacy of different storage methods.					
2.	Problem diagnose	High loss of grains during storage					
3.	Details of technologies selected for assessment/refinement	I. Farmer's practice – Sundry + earthenware II. Dried neem leaves@2kg/quintal + Ironware III. Alluminium phosphate @2.5gm/quintal + Ironware					
4.	Source of Technology						
5.	Production system and thematic area	Storage loss minimization techniques					
6.	Performance of the Technology with performance indicators	Technical options	No. of trails	No. of infected grain/1000	Gross cost 1.5 Q in Rs.	Gross Return 1.5Q in Rs.	Net Loss in Rs	BCR
		Tech. option 1	10	24.5	2250	1698.7	551.25	0.75
		Tech. option 2	10	.62	2250	2115.0	135	0.94
		Tech. option 3	10	3.7	2255	2167.5	87.5	1.04
7.	Final recommendation for micro level situation	Result of trial indicates that tech option2 and tech. option 3 are equally beneficial for the farmers but the use of dried neem leaves should be the best option for the farmers for adoption in terms protection environmental ecology and to make them safe from the chemical hazards used in insecticides etc.					
8.	Constraints identified and feedback for research	Although the use of dried neem leaves are best suited methods in terms of environment and danger in using insecticides it cost high due to the cost of ironware that leads towards lesser adoption of technology.					
9.	Process of farmers participation and their reaction	Adoption of technology certainly enhances the storage capability of rural women and they are strongly agreed to adopt this technology for their household storage system.					

OFT-8

<table>
<tr><td>1.</td><td>Title of On farm Trial</td><td colspan="7">Assessment of different base materials on oyster mushroom production</td></tr>
<tr><td>2.</td><td>Problem diagnose</td><td colspan="7">High cost of wheat straw.</td></tr>
<tr><td>3.</td><td>Details of technologies selected for assessment/refinement</td><td colspan="7">Technical option 1: Farmers practice – Use of wheat straw as base material
Technical option 2: Recommended practice – Use of paddy straw as base material
Technical option 3: Use of wheat straw (50%) + paddy straw (50%) as base material
Technical option 4: Use of wheat straw (50%) + maize straw (50%) as base material</td></tr>
<tr><td>4.</td><td>Source of Technology</td><td colspan="7">Dictorate of Mushroom Research, Solan, H.P.</td></tr>
<tr><td>5.</td><td>Production system and thematic area</td><td colspan="7">Mushroom Production</td></tr>
<tr><td>6.</td><td>Performance of the Technology with performance indicators</td><td colspan="7"><table>
<tr><td rowspan="2">Technology Option</td><td rowspan="2">No. of trials</td><td rowspan="2">Yield / kg/10kg base</td><td colspan="3">Economics of production in (Rs.)</td><td rowspan="2">BCR</td></tr>
<tr><td>Gross Cost</td><td>Gross Return</td><td>Net Return</td></tr>
<tr><td>Tech. option 1</td><td>10</td><td>6.0</td><td>300.00</td><td>600.00</td><td>300.00</td><td>2.0</td></tr>
<tr><td>Tech. option 2</td><td>10</td><td>7.2</td><td>270.00</td><td>720.00</td><td>450.00</td><td>2.6</td></tr>
<tr><td>Tech. option 3</td><td>10</td><td>8.2</td><td>285.00</td><td>820.00</td><td>535.00</td><td>2.87</td></tr>
<tr><td>Tech. option 4</td><td>10</td><td>7.8</td><td>280.00</td><td>780.00</td><td>520.00</td><td>2.78</td></tr>
</table></td></tr>
<tr><td>7.</td><td>Final recommendation for micro level situation</td><td colspan="7">As per the result trial in terms of total production and BC ratio farmers were recommended to use Tech. Option 3 i.e. use of wheat straw (50%) + Paddy straw (50%) each as base material to gain more profit in mushroom production.</td></tr>
<tr><td>8.</td><td>Constraints identified and feedback for research</td><td colspan="7">Fluctuation in normal temperature during the season affected the over all production of mushroom.</td></tr>
<tr><td>9.</td><td>Process of farmers participation and their reaction</td><td colspan="7">Farmers are ready to adopt technology for mushroom production.</td></tr>
</table>

OFT-9

1.	Title of On farm Trial	Assessment of GnRH and Mineral Mixture + Dewormer on problem of anoestrus in cow.			
2.	Problem diagnose	Cows don't come in heat over long period of time.			
3.	Details of technologies selected for assessment/refinement	T1: Farmer practice (Feeding germinated Wheat) T2: GnRH injection @5.0 ml intramuscularly T3: Mineral Mix @ (50 gm/day) for 20 days and broad spectrum dewormer			
4.	Source of Technology	IVRI Bareilly			
5.	Production system and thematic area	Disease management			
6.	Performance of the Technology with performance indicators	Tech. Option	No. of trials	% of animal came in heat	% of conception
		Tech. option 1	19	31	21
		Tech. option 2	19	42	26
		Tech. option 3	19	68	57
7.	Final recommendation for micro level situation	Animal feed should be balance and containing all necessary nutrients.			
8.	Constraints identified and feedback for research				
9.	Process of farmers participation and their reaction				

OFT-10

<table>
<tr><td>1.</td><td>Title of On farm Trial</td><td colspan="6">Assessment of Performance of mineral mixture on Milk production</td></tr>
<tr><td>2.</td><td>Problem diagnose</td><td colspan="6">Low milk production of dairy animal</td></tr>
<tr><td>3.</td><td>Details of technologies selected for assessment/refinement</td><td colspan="6">T1: Farmer practice (feeding concentrate without mineral mixture)
T2: Feeding of concentrate with broadspectrumdewormer on 1st day of 90 days trail
T3: Feeding of concentrate with mineral mixture (50gm) for 90days and dewormer on 1st day of 90 days trail</td></tr>
<tr><td>4.</td><td>Source of Technology</td><td colspan="6">IVRI Bareilly</td></tr>
<tr><td>5.</td><td>Production system and thematic area</td><td colspan="6">Feed management</td></tr>
<tr><td rowspan="4">6.</td><td rowspan="4">Performance of the Technology with performance indicators</td><td>Tech. Option</td><td>Milk production (in litre)</td><td>Cost of milk production (in Rs.)</td><td>Gross return (in Rs.)</td><td>Net return (in Rs.)</td><td>BCR</td></tr>
<tr><td>Tech. option 1</td><td>4.3</td><td>6525</td><td>13545</td><td>7020</td><td>1.07</td></tr>
<tr><td>Tech. option 2</td><td>4.5</td><td>6575</td><td>14175</td><td>7600</td><td>1.15</td></tr>
<tr><td>Tech. option 3</td><td>5.3</td><td>7362</td><td>16695</td><td>9333</td><td>1.26</td></tr>
<tr><td>7.</td><td>Final recommendation for micro level situation</td><td colspan="6"></td></tr>
<tr><td>8.</td><td>Constraints identified and feedback for research</td><td colspan="6"></td></tr>
<tr><td>9.</td><td>Process of farmers participation and their reaction</td><td colspan="6"></td></tr>
</table>

OFT-11

1.	Title of On farm Trial	Assessment of effect of " Iron Rice Diet " with optimum nutritive among adolescent girls (13-15)years having nutritional anemia.
2.	Problem diagnose	High percentage of Iron deficiency prevalent among adolescent girls of 13-15 years in Gaya District.
3.	Details of technologies selected for assessment/refinement	T1 : Normal Diet T2 : Wheat(100g)+Greengram(20g)+Groundnut(10g)+Riceflakes(50g)+ C auliflower(25g)+Drumstickleaves(5g)+ Sugar Dust(10g) T3 : Maize(100g)+Greengram(20g)+Groundnut(10g)+Riceflakes(50g)+ C auliflower(25g)+Drumstickleaves(5g)+ Sugar Dust(10g) T4 : Women's Horlicks
4.	Source of Technology	Food and Nutrition Board , New Delhi.
5.	Production system and thematic area	Designing and development for high nutrient efficiency diet
6.	Performance of the Technology with performance indicators	Result Awaited
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

OFT-12

1.	Title of On farm Trial	Efficacy of insecticide against sucking pest of Moong bean.
2.	Problem diagnose	• About 25-30% yield loses due to infestation of sucking pest in Moongbean • Besides direct los, sucking pests are responsible for the transmission of yellow vien mosaic virus in moognbean. • Farmers are suing synthetic Pyrethraits for the management of sucking posts in moongbean.
3.	Details of technologies selected for assessment/refinement	Farmers practices Technology option1- Thiomethoxam 25 WDlu@100g/ha Technology option 2 –Acephate 75 SP @ 400g/ha
4.	Source of Technology	BAU, Sabour
5.	Production system and thematic area	
6.	Performance of the Technology with performance indicators	Result awaited
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

3.2 **Achievements of Frontline Demonstrations**

A. Details of FLDs implemented during 2013-14

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_2O_5	K_2O					

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 (2013-14)	Crop production	Variety + Sulpher	14	5	Result awaited										

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
Moong bean (2012-13)	Crop production	Variety+ Seed treatment material	12	3	11.86	9.2	29	10900	47440	36540	4.35	10450	36800	26350	3.52
Moong bean (2013-14)	Crop production	Variety+ Seed treatment material	14	5	Result awaited										
Lentil (2013-14)	Crop production	Herbicide	40	16	Result awaited										
Lentil (2013-14)	Crop production	Variety	14	5	Result awaited										
Peagon pea	IPM	Insecticide (Indoxacarb)													
	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
Paddy	Crop Production	Variety	25	10	45.86	35.40	29.55			28440	61911	33471	2.17	47790	27850	19940	1.72
Paddy	Crop Production	SRI	5	2	36.72	35.20	4.32			29235	71604	42369	2.45	47520	27660	19860	1.71
Paddy(IRRI – NFSM)	Crop Production	Drought resistant variety	250	100	44.20	34.90	27.10			29175	59670	30495	2.04	27980	47115	19135	1.68

Wheat (2012-13)	Crop Production	Variety + Weedicide	25	10	31.29	25.90	20.80			21870	42242	20372	1.93	20900	34965	14065	1.67
Wheat (2013-14)	Crop Production	Variety + Weedicide	27	10	Result awaited												
		Total															

Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters (Nematodes eggs in faces)		% 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																	
Cow	Disease management	Fenbendazole	100	100	Not present	Present											
Buffalo																	
Poultry																	
Rabbitry																	
Pigerry																	
Sheep and goat																	
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	Mushroom production	10	2 kg	13.2	12.0	10			600.00	1320.00	720.00	2.2	600.00	1200.00	600.00	2.0
Button mushroom																
Vermicompost																
Sericulture																
Apiculture																
Others (pl.specify)	Kitchen Garden	10	200 sq. m	60(Meals)	32(Meals)	87			500.00	974.00	474.00	1.9	350.00	525.00	175.00	1.5
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	Name of observations	Demonstration	Check
Farm Women					
Pregnant women					
Adolescent Girl					
Other women					
Children (3 to 5 Yrs.)	Poshak Ladoo	10	Grain in wt. Gain in chest circumference	14.9 (kg) 23.5 (cm)	13.7 (kg) 20.2 (cm)
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)			
					Demonstration	Check									

* 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)			
Cereals				Demo	Local check	% change	Gross Cost	Gross Return	Net Return	BCR
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										

Technical Feedback on the demonstrated technologies

S. No	Crop	Feed Back

Extension and Training activities under FLD

SL. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	7-11-13, 24-2-14			
2.	Farmers Training				
3.	Media coverage				
4.	Training for extension functionaries				

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

Farmers and farm women (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
I. Crop Production													
Weed Management													
Resource Conservation Technologies	2	26	-	26	5	-	5	-	-	-	31	-	31
Cropping Systems													
Crop Diversification													
Integrated Farming	1	36	-	36	2	6	8	-	-	-	38	6	44
Water management													
Seed production													
Nursery management	2	19	-	19	12	2	14	-	-	-	31	2	33
Integrated Crop Management	3	41	-	41	9	-	9	-	-	-	50	-	50
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)	6	64	4	68	17	5	22	-	-	-	81	9	90
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													

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
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													
Dairy Management	2	14	14	28	1	38	39	-	-	-	15	52	67
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management	2	27	-	27	-	28	28	-	-	-	27	28	55
Feed 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
Production of quality animal products													
Others, if any Goat farming	1	12	11	23	3	-	3	-	-	-	15	11	26
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet	1	-	-	-	-	25	25	-	-	-	-	25	25
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													
Value addition	1	-	12	12	-	7	7	-	-	-	-	19	19
Income generation activities for empowerment of rural Women	1	13	70	83	2	11	13	-	-	-	15	81	96
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													
Others, if any													
VI. Agril. Engineering													
Installation and maintenance of micro irrigation systems													
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													
VII. Plant Protection													
Integrated Pest Management	10	97	1	98	17	-	17	-	-	-	114	1	115
Integrated Disease Management	4	50	1	51	6	-	6	-	-	-	56	1	57
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
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													

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
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													

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	1	11	10	21	2	-	2	-	-	-	13	10	23
Bee-keeping	1	17	10	27	3	-	3	-	-	-	20	10	30
Integrated farming													
Seed production	1	30	-	30	-	-	-	-	-	-	30	-	30
Production of organic inputs													
Integrated Farming													
Planting material production													
Vermi-culture	2	53	-	53	-	-	-	-	-	-	53	-	53
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													

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
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition	1	1	19	20	1	9	10	-	-	-	2	28	30
Production of quality animal products													
Dairying	2	51	23	74	3	-	3	-	-	-	54	23	77
Sheep and goat rearing	1	15	12	27	3	-	3	-	-	-	18	12	30
Quail farming													
Piggery													
Rabbit farming													
Poultry production	1	14	-	14	-	-	-	-	-	-	14	-	14
Ornamental fisheries													
Enterprise development													
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													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts	1	-	25	25	-	2	2	-	-	-	-	27	27
TOTAL													

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	1	15	12	27	1	2	3	-	-	-	16	14	30
Value addition													
Integrated Pest Management	1	24	1	25	-	-	-	-	-	-	24	1	25
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													
Livestock feed and fodder production													
Household food security													

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
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
TOTAL													

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	23	-	23	7	-	7	-	-	-	30	-	30
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification	6	145	35	180	20	38	58	-	-	-	165	73	238
Integrated Farming													
Water management													
Seed production													
Nursery management													
Integrated Crop Management	3	51	-	51	60	-	60	-	-	-	111	-	111
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)	4	101	1	102	13	-	13	-	-	-	114	1	115
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)													

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
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													
Dairy Management	1	8	15	23	-	1	1	-	-	-	8	16	24
Poultry Management	1	-	-	-	6	11	17	-	-	-	6	11	17
Piggery Management													
Rabbit Management													
Disease Management	2	24	19	38	-	2	2	-	-	-	24	21	45
Feed management	3	50	10	60	4	-	4	-	-	-	54	10	64
Production of quality animal products													
Others, if any Goat farming													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	2	3	18	21	-	14	14	-	-	-	3	32	35
Design and development of low/minimum cost diet													
Designing and development for high	4	-	26	26	-	34	34	-	-	-	-	60	60

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
nutrient efficiency diet													
Minimization of nutrient loss in processing	2	-	18	18	-	12	12	-	-	-	-	30	30
Gender mainstreaming through SHGs	2	-	16	16	-	2	2	-	-	-	-	18	18
Storage loss minimization techniques	1	-	15	15	-	-	-	-	-	-	-	15	15
Enterprise development													
Value addition	5	-	46	46	-	15	15	-	-	-	-	61	61
Income generation activities for empowerment of rural Women	2	5	15	20	-	3	3	-	-	-	5	18	23
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care	6	-	76	76	-	8	8	-	-	-	-	84	84
Others, if any	1	-	-	-	-	33	33	-	-	-	-	33	33
VI. Agril. Engineering													
Installation and maintenance of micro irrigation systems													
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													
VII. Plant Protection													
Integrated Pest Management	8	114	30	144	38	2	40	-	-	-	152	32	184
Integrated Disease Management	4	38	26	64	2	-	2	-	-	-	40	26	66
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
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													

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
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													

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													
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition													
Production of quality animal products													
Dairying													

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
Sheep and goat rearing													
Quail farming													
Piggery													
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													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Others, if any													
TOTAL													

Extension Personnel (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													
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													
Livestock feed and fodder production													
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
Crop intensification													
TOTAL													

Consolidated table (ON and OFF Campus)

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	23	-	23	7	-	7	-	-	-	30	-	30
Resource Conservation Technologies	2	26	-	26	5	-	5	-	-	-	31	-	31
Cropping Systems													
Crop Diversification	6	145	35	180	20	38	58	-	-	-	165	73	238
Integrated Farming	1	36	-	36	2	6	8	-	-	-	38	6	44
Water management													
Seed production													
Nursery management	2	19	-	19	12	2	14	-	-	-	31	2	33
Integrated Crop Management	6	92	-	92	69	-	69	-	-	-	161	-	161
1Fodder production													
Production of organic inputs													
Others, (cultivation of crops)	10	165	5	170	30	5	35	-	-	-	195	10	205
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													

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
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													
Dairy Management	4	22	29	51	1	39	40	-	-	-	23	68	91
Poultry Management	2	-	-	-	6	11	17	-	-	-	6	11	17
Piggery Management													
Rabbit Management													
Disease Management	6	51	19	70	-	30	30	-	-	-	51	49	100
Feed management	5	50	10	60	4	-	4	-	-	-	54	10	64
Production of quality animal products													
Others, if any Goat farming	2	12	11	23	3	-	3	-	-	-	15	11	26
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	2	2	18	21	-	14	14	-	-	-	3	32	35
Design and development of low/minimum cost diet	1	-	-	-	-	25	25	-	-	-	-	25	25
Designing and development for high nutrient efficiency diet	4	-	26	26	-	34	34	-	-	-	-	60	60
Minimization of nutrient loss in processing	2	-	18	18	-	12	12	-	-	-	-	30	30
Gender mainstreaming through SHGs	2	-	16	16	-	2	2	-	-	-	-	18	18
Storage loss minimization techniques	1	-	15	15	-	-	-	-	-	-	-	15	15
Enterprise development													
Value addition	6	-	58	58	-	22	22	-	-	-	-	80	80
Income generation activities for empowerment of rural Women	3	18	85	103	2	14	16	-	-	-	20	101	121
Location specific drudgery reduction technologies													
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	6	-	76	76	-	8	8	-	-	-	-	84	84
Others, if any	1	-	-	-	-	33	33	-	-	-	-	33	33
VI. Agril. Engineering													
Installation and maintenance of micro irrigation systems													
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													
VII. Plant Protection													
Integrated Pest Management	18	225	31	256	55	2	57	-	-	-	280	33	313
Integrated Disease Management	8	88	27	115	8	-	8	-	-	-	96	27	123
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
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													
Production of livestock feed and fodder													
Production of Fish feed													

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
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													

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	1	11	10	21	2	-	2	-	-	-	13	10	23
Bee-keeping	1	17	10	27	3	-	3	-	-	-	20	10	30
Integrated farming													
Seed production	1	30	-	30	-	-	-	-	-	-	30	-	30
Production of organic inputs													
Integrated Farming													
Planting material production													
Vermi-culture	2	53	-	53	-	-	-	-	-	-	53	-	53
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition	1	1	19	20	1	9	10	-	-	-	2	28	30
Production of quality animal products													
Dairying	2	51	23	74	3	-	3	-	-	-	54	23	77
Sheep and goat rearing	1	15	12	27	3	-	3	-	-	-	18	12	30
Quail farming													
Piggery													
Rabbit 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
Poultry production	1	14	-	14	-	-	-	-	-	-	14	-	14
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													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts	1	-	25	25	-	2	2	-	-	-	-	27	27
Enterprise development													
TOTAL													

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	1	15	12	27	1	2	3	-	-	-	16	14	30
Integrated Pest Management	1	24	1	25	-	-	-	-	-	-	24	1	25
Integrated Nutrient management													
Rejuvenation of old orchards													
Value addition													
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													
Livestock feed and fodder production													
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
Crop intensification													
TOTAL													

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

Date	**Clientele**	**Title of the training programme**	**Duration in days**	**Venue (Off / On Campus)**	**Number of participants**			**Number of SC/ST**		
					M	**F**	**T**	**M**	**F**	**Total**
		Crop Production								
12-4-13	PF	Irrigation and Fertilizer Management in summer Moong	1	ON	20	-	20	6	-	6
7/8-6-13	PF	Techniques of direct seeding for rice and its benefits	2	ON	31	-	31	5	-	5
17/18-6-13	PF	Nursery management in SRI Paddy.	2	ON	31	2	33	12	2	14
17/18-7-13	PF	INM in paddy	2	ON	30	-	30	3	-	3
30/31-7-13	PF	Importance of micronutrients in rice cultivation	2	ON	23	7	30	6	5	11
5-8-13	PF	Importance of zinc in paddy	1	OFF	29	1	30	2	-	2
6/11-8-13	PF	Alternate crop plan for Kharif season under drought.	6	OFF	165	73	238	20	38	58
30-9-13	PF	Irrigation and Fertilizer Management in paddy	1	OFF	32	-	32	5	-	5
21-10-13	PF	Importance of Bio-fertilizers for sustainable Agriculture.	1	OFF	32	-	32	3	-	3
6/7-11-13	PF	Importance of phosphorus and sulpher in oil seeds and pulses	2	ON	33	2	35	8	-	8
17-12-13	PF	Irrigation and Fertilizer Management in	1	OFF	30	-	30	7	-	7

		wheat								
11-1-14	PF	Planting of sugarcane through twin sett method & its benifit	1	OFF	28	-	28	5	-	5
13-1-14	PF	IWM in Wheat for profitable production.	1	OFF	30	-	30	7	-	7
17-1-14	PF	Planting of sugarcane through twin sett method & its benifit	1	OFF	48	-	48	3	-	3
21-1-14	PF	Improved package of production of sugarcane cultivation	1	OFF	49	-	49	48	-	48
5-2-14	PF	IFS model for profitable farming	1	ON	38	6	44	2	6	8
19/20-3-14	PF	Improved agricultural practices for summer moong	2	ON	25	-	25	3	-	3
		Plant Protection								
27-5-13	IPM	Stored grain Pest Management	1	OFF	23		23	4	-	4
1-6-13	IDM	Wilt Management in Pigeon Pea	1	OFF	20		20		-	-
5-6-13	IDM	Pest & Disease Management in Mung	1	OFF	1	26	27		-	-
11/12-6-13	IPM	Integrated pest management in Maize.	2	ON	32		32	13	-	13
19/20-6-13	IDM	Seed treatment in SRI Paddy	2	ON	34		34	2	-	2
9-7-13	IDM	Management of Sheath Blight in Kharif Paddy	1	OFF	19		19	2	-	2
9-8-13	IPM	Integrated pest management in Paddy	1	OFF	7	32	39	5	2	7
16-8-13	IPM	Integrated pest management in brinjal.	1	OFF	42	-	42	13	-	13
13/14-9-13	IPM	Techniques of seed treatment of pulses by Rhizobium	2	ON	19	-	19	3	-	3
25-9-13	IPM	Integrated pest management in okra	1	OFF	17	-	17	2	-	2
24/25-10-13	IPM	Integrated pest management in cole crops	2	ON	23	-	23	1	-	1
26-11-13	IPM	Importance of seed treatment in wheat	1	OFF	18	-	18	6	-	6
12/13-12-13	IPM	Integrated pest management in oilseed crops	2	OFF	22	-	22	2	-	2
27/28-12-13	IDM	Management of late blight in potato	2	ON	22	1	23	4	-	4
16-1-14	IPM	Management of late blight in potato	1	OFF	21	-	21	3	-	3
20-2-14	IPM	Pod borer management in gram	1	OFF	17	-	17	3	-	3
21/22-2-14	IPM	Integrated pest management in arhar	2	ON	14	1	15	-	-	-
08/09-2-14	IPM / EF	Protection technology for rabi crop	2	ON	25	-	25	-	-	-
		Home Science								
7/8-5-13		Human health & Nutrition Anemia	2	OFF	-	15	17	-	2	2
11-5-13		Home scale methods of grain storage	1	OFF	-	15	15	-	-	-
17/18-5-13		Women self help group formation and function	2	OFF	-	16	18	-	2	2
13/14-5-13		Importance of food & nutrition	2	OFF	-	33	33	-	33	33
21-6-13		Nutritive food materials available in rural area	1	ON	-	25	25	-	-	25
11/12-7-13		Prevention of nutrient loss during cooking	2	OFF	-	30	30	-	12	12
17/18-7-13		Supplementary Nutrition When, Why & How	2	OFF	-	22	22	-	3	3
6/7-8-13		Women Health & Nutrition Security	2	OFF	-	27	27	-	1	1
20/21-9-13		Kitchen Garden & Human Health	2	OFF	3	32	35	-	14	14
25/26-10-13		Processing of fruits & vegetables	2	OFF	-	22	22	-	8	8
12/13-12-13		Different preparation of Amla	2	OFF	-	20	20	-	-	-
17/18-12-		Management of children in winter	2	OFF	-	30	34	-	4	4

13										
7-2-14		Women Empowerment	1	ON	15	81	96	2	11	13
10-2-14		Fruits & Vegetables preservation	1	OFF	7	17	31	2	5	7
18-2-14		Value addition of tomato	1	ON		19	19		7	7
3/4-3-14		Mushroom Production	2	OFF	5	18	23		3	3
		Live stock Production and Management								
27/28-5-13		Scientific bead for mulation for milch animals	2	OFF	19	0	19	2	0	2
28/29-6-13		Vaccination : A protection to animal disease	2	ON	27	3	30	0	3	3
17/18-7-13		Management of calves in rainy season	2	OFF	8	16	24	-	1	1
1/2-8-13		Infertility in dairy animals	2	OFF	4	15	19	-	2	2
17/18-5-13		Feeding management in goat	2	OFF	16	10	26	1	-	1
19/20-11-13		Backyard poultry farming	2	OFF	6	11	17	6	11	17
5/6-12-13		Management of kids in winter season	2	ON	15	11	26	3	-	3
20-1-14		Feeding management of pregnant cow	1	OFF	19	-	19	1	-	1
22-1-14		Management of FMD in Ruminant	1	OFF	20	6	26	-	-	-
8-2-14		Fodder cycle for the year	2	ON	14	28	42	-	14	14
10/11-3-14		Clean milk production	2	ON	1	24	25	1	24	25
13/14-3-14		Deworming schedule in animals	2	ON	-	25	25	-	24	24

(D) Vocational 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 else where
				Male	Female	Total	Type of units	Number of units	Number of persons employed	
Vermi Compost		Vermi compost – high income in low cost	22.07.13 to 27.07.13 6 Days	23		23				
Dairy		Dairy Management	23.09.13 to 28.09.13	27	9	36				
Rural Craft		Rural Art (Fabric painting + Tie – Dye)	23.09.13 to 28.09.13		27	27				
Bee Keeping		Beekeeping – A profitable enterprise	17.10.13 to 23.10.13	20	10	30				
Vermi compost		Vermi compost – high income in low cost	28.10.13 to 02.11.13	20		20				
Seed Production		Seed production techniques of potato and wheat	22.10.13 to 28.10.13	30		30				
Goat Farming		Economic Goat Farming	26.11.13 to 02.12.13	12	18	30				
Women Entrepreneurs		Mushroom Production	20.11.13 to 26.11.13	13	10	23				
Dairy		Dairy Farming	16.12.13 to 21.12.13	27	14	41				
Value Addition		Fruits and Vegetables preservation	21.0213 to 28.02.13	2	28	30				
Poultry Farming		Commercial broiler farming	03.03.14 to 08.03.14	14	-	14				

*training title should specify the major technology /skill transferred

(E) Sponsored Training Programmes

Sl. No	Title	Thematic area	Month	Duration (days)	Client	No. of courses	No. of Participants										Sponsoring Agency
							Male			Female			Total				
					PF/ RY/ EF		Others	SC	ST	Others	SC	ST	Others	SC	ST	Total	
1.	IPM in SRI Rice		May	1	PF	1										39	ATMA, Gaya
2.	SRI Maha Abhiyan		May	1	PF	1										Mass	Dist. Workshop
3.	Management of dairy cattle		Jun	1	PF	1										20	NABARD
4.	IPM in rice		Jun	1	PF	1										17	NABARD
5.	Farmers club inauguration & exposure visit																NABARD

6.	SRI Abhiyan-Seeding raising		Jun	1	PF	1										500	ATMA/BAO
7.	SRI-transplanting		Jul	1	PF	1										500	ATMA/DAO
8.	Advantage of rice transplanter		Jul	1	PF	1										50	Garuda transplanter
9.	Contigent plan		Aug	3	PF	1										344 238	6 Blocks Each
10.	Fodder production in draught prone area		Sep	1	PF	1										51	NFL
11.	Dairy Management		Sep	1	PF	1										18	ATMA/BAMFII
12.	Pesticides Management		Sep	1	PF	1										65	NFL
13.	Pest Management in gram & lentil		Sep	1	PF	1										29	ATMA
14.	Pest & disease management		Sep	1	PF	1										32	IWSMP
15.	Nutrient deficiency symptom in plants and identification of common disease in rice		Sep	1	PF	1										70	UPL
16.	Verified carbon credit in SRI Project		Sep	1	PF	1											PRAN
17.	Importance & role of biofertilizer		Sep	1	PF	1										51	NFL
18.	Seed production technique of lentil and chickpea		Sep	1	PF	1										18	ATMA
19.	Ravi Mahotsav		Oct	1	PF	1										500	
20.	Kisan Gosthi		Oct	1	PF	1										150	SCADA
21.	Research pertaining to SRI method of crop cultivation		Oct	1	PF	1										Mass	PRAN
	Rabi Abhiyan		Nov	1	PF	1											Bodhgaya
	Rabi Abhiyan		Nov	1	PF	1											Manpur
	Seed production		Dec	1	PF	1											BRBN
22.	Producton technique of rabi crop		Dec	1	PF	1											SCADA
	Agri. Mechanization Mela		Jan	2	PF	2											
24.	Sugarcane production		Jan	1	PF	1											Cane Dept., Bihar
25.	Crop production		Jan	1	PF	1											SCADA
26.	Sugarcane production		Jan	1	PF	1											Cane Dept., Bihar
27.	Sugarcane production		Jan	1	PF	1											Cane Dept., Bihar
28.	SRI Abhiyan		Feb	1	PF	1											
29.	Pest management in rabi crops		Feb	1	PF	1										76	Rabi crops
30.	Seed production techniques and certification		Feb	1	PF	1											

35.																	
36.																	

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	2	110	40	150				110	40	150
Kisan Mela	2									Mass
Kisan Ghosthi/Chaupal	42	882	290	1172				882	290	1172
Exhibition										
Film Show										
Method Demonstrations	10	187	37	224				187	37	224
Farmers Seminar										
Workshop	4									4
Group meetings	16	36	184	220				36	184	220
Lectures delivered as resource persons	10									Mass
Advisory Services	672	620	52	312				620	52	672
Scientific visit to farmers field	312	312		312						312
Farmers visit to KVK	1067	844	223	1067				844	223	1067
Diagnostic visits										
Exposure visits	2	28	-	28				28	-	28
Ex-trainees Sammelan										
Soil health Camp										
Animal Health Camp	2	37	8	45				37	8	45
Agri mobile clinic										
Soil test campaigns										
Farm Science Club Conveners meet										
Self Help Group Conveners meetings										
Mahila Mandals Conveners meetings										
Celebration of important days (specify)	3									3
Any Other (Specify)										
Total										

B. Other Extension activities

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Newspaper coverage	63									63
Radio talks	3									Mass
TV talks										

Popular articles										
Extension Literature										

3.5 Production and supply of Technological products

Village seed

Crop	variety	Quantity of seed (q)	Value (Rs)	Number of farmers provided
Total				

KVK farm

Crop	variety	Quantity of seed (q)	Value (Rs)	Number of farmers provided
Grand Total				

Production of planting materials by the KVKs

Crop	Variety	Quantity of seed (q)	Value (Rs)	Number of farmers provided
Vegetable seedlings				
Cauliflower				
Cabbage				
Tomato				
Brinjal				
Chilli				

Onion				
Others				
Fruits				
Mango				
Guava				
Lime				
Papaya	Pusa nanha	81	405.00	03
Banana	Chiniya	25	125.00	01
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

Bio Products	Name of the bio-product	Quantity Kg	Value (Rs.)	No. of Farmers
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				
Books				
Bulletins				
News letter				
Popular Articles				
Book Chapter				
Extension Pamphlets/ literature				
Technical reports	1. Annual report (Apr 2013-Mar 14) of KVK, Manpur, Gaya 2. Monthly report – 4 3. Quarterly report (Apr 13- Mar 14) – 4 4. Action Plan(April 13- March 14) 5. Extension Council meeting report-2 6. Review meeting report-4 7. SAC Meeting report 2013 8. P M O/CCC/RFD Report on skill development 9. Technology week report 10. Training Calendar 11. Kisan Chaupal report 12. Report of technology developed and identified for Gaya district 13. Success story of innovative farmers 14. Mid term review meeting report 15. Kisan Samachar – Quartarly 16. Small but smart farmer report of Gaya district			
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 KVK personnel and designation	Date and Duration	Organized by
1.	DSR	Dr. Govind Kumar SMS (Agro.)	21.5.13 to 31.5.13 (11 Days)	PAU, Ludhiyana
2.	Orientation Programme	Programme Assistant()	17.6.13 to 21.6.13 (5 Days)	BAU, Sabour
3.	Research oil & pulse	Dr. Surendra Chaurasia Programme Coordinator	20.7.13 (1 Day)	BVC, Patna
4.	Orientation Programme	Mr. Ved Prakash Programme Assistant(Comp.)	8.7.13 to 11.7.13 (4 Days)	BAU, Sabour

5.	Orientation Programme	Mr. Patwardhan Kumar Stenographer	22.7.13 to 23.7.13 (2 Days)	BAU, Sabour
6.	Tentative crop planning	Mr. Mukesh Kumar Farm Manager	20.9.13(1 Day)	BAU, Sabour
7.	OFT Its planning and conduction	Dr. Govind Kumar SMS (Agro.)	23.9.13 to 26.9.13 (4 Days)	BAU, Sabour
8.	Plant protection major crops	Mr. Mukesh Kumar Farm Manager	2.10.13 to 5.10.13 (4 Days)	BAU, Sabour
9.	Meeting Accounts	Mr. Prem Kumar Assistant	18.9.13(1 Day)	BAU, Sabour
10.	Workshop on advance tech. and success story	Dr. Nidhi Sinha SMS(H. Sc.)	1.12.13 to 3.12.13	BAU, Sabour
11.	6 days officers training programme	Smt. Neha Programme Assistant (Lab. Tech.)	11.12.13 to 18.12.13 (7 Days)	BAU, Sabour
12.	Value addition and processing of food from animal origin.	Dr. Anil Kumar SMS(Ani. Sc.)	11.1.14 to 13.1.14 (3 Days)	WBA&FSU ZPD
13.	Agricultural marketing for practitioner	Dr. Ranjeet Kumar SMS (Ento.)	28.1.14 to 29.1.14 (2 Days)	NIAM/BAU
14.	Post harvest diseases and pest management for ensuring food security	Dr. Ranjeet Kumar SMS (Ento.)	5.3.14. to 25.3.14 (21 Days)	GBPUA&T
15.	Workshop on recent advancement in Vet Sc.	Dr. Anil Kumar SMS (Ani. Sc.)	22.3.14 to 23.3.14 (2 Days)	BVC, Patna

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

1. Sri Munna Kumar

Sri Munna Kumar, son of Sri Ramashish Prasad, 38 year old vegetable seller of Khorkura village of Chandauti Block of Gaya district. His household status was very poor because he has 2 khattha of own plot only for growing vegetables. In May 2012, he came in contact with Krishi Vigyan Kendra, Manpur, Gaya and got training on "Mushroom Production". After getting training from the KVK, he along with few other trainees of group started Mushroom production unit in group. He tried to purchase whole mushroom from other members of the group for sale. With the inspiration that is gained through profit making he established his own mushroom production unit. Now presently, he is selling his own product at his vegetable shop and earning about Rs. 200-300/- per day. Thus only through mushroom cultivation he is earning additional income of about Rs. 9000/- per month during mushroom season. As before start of the entrepreneur his annual income was approximately Rs. 60000-70000/-. Now he is earning Rs.115000-200000/- p.a.

2. **Sri Ramdeep Singh**

Sri Ramdeep Singh, Son of Late Chattar Singh of village- Ranbigha, P.O.-Uttrain, Block-Konch of district Gaya is a progressive farmer having 5.0 acre of land. By traditional method of cultivation, he was managing his own hold necessity any how. He came in contact with K.V.K.'s scientist to know the improved and how agricultural techniques to enhance the production and income. He was neglected to adopt diversified agriculture. He has established guava orchard in 2.0 acre of land and earned approx 1.8 lakh p.a. with inter cropping the turmeric, ginger and elephant foot yarn. He also produce Paddy and Wheat in 2.0 acre of land and earning Rs. 80000/- p.a. Under diversified training, he also produce flowers (marigold, Rajanigandha, gladiolus) spiur, organic vegetables, Onion, Potato and sugarcane earning together. He also developed 60 bed vermicompost unit earning net income almost Rs. 200000/- per year. For increasing his income, he developed a small dairy unit which has 4-6 milch cow and earning Rs. 60000/- p.a. He has established drip irrigation system in his guava orchard and adopting improved package and practices in supervision of KVK scientists. Apart from these, he is also having important agricultural tools and machines for small inter-cultural operations. Overall, he is earning about 5-6 lakh p.a. from all enterprises. He is curious, energetic and believes in adopting new technologies.

3. **Sri Awdhesh Kumar**

Sri Awdhesh Kumar, Son of Sri Ram Briksh Prasad of Manpur Pehani in Manpur block of Gaya district. He has approximately 1.5 ha land and he used to cultivate cereals and vegetables crop but his income is not up to his requirement. Then he came in contact with the KVK, Manpur, Gaya and adopted Modern Farming System. He also started to keep two dairy cattle to increase his income and for home. He started commercial broiler farming having 500 broilers. As demand of milk and broilers in Gaya is more needed. He earned more profit is less land in dairy and broilers. Now, he had 4 cattle and 2000 broilers per batch. His income increased upto Rs. 3-4 lakh. Now, he is giving more effort to increase his dairy and Poultry business upto 10 cattle and 5000 broilers per batch.

4. **Smt. Draupadi Devi**

Smt. Draupadi Devi was born on 22nd Sept. 1964 at Dhandhar Sherghati, Gaya, Bihar. She is graduated in Arts. She is full of great zeal and hard working behavior. She enforced herself to form a Krishak Club in Saifganj. Her Krishak Club always helps to poor woman farmers for their self entrepreneur as well as livelihood security. She has 5 acres irrigated land on which she is growing Paddy, Wheat, Moong & Vegetable crop. Besides this, she had poultry, Fishery & Vermi composting Unit. She came in contact of Krishi Vigyan Kendra, Manpur, Gaya in the year 2010. After that, she and their club member have not only inspired by the activity of KVK, Gaya but also appreciated it. She is interested in modernizing her all activities on the basis of principles for Integrated Farming System. In starting, she was suffering in lack of various type of technical knowledge, at that time, she earned only Rs. 60000/- per annum with the help of little knowledge.

Presently, she is maintaining about 300 birds for poultry, 4 cattle, 28 vermi composting unit and one pound for fishery. After a span of time, she is doing her animal husbandry and farming work very skillfully and her earning is improved better than previous. From her all activities, she is earning about Rs. 150000/- p.a.

3.8. Give details of innovative methodology or innovative technology of Transfer of Technology developed and used during the year

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 the KVK- P R A

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

Sl. No	Name of the Equipment	Qty.

3.11.b. Details of samples analyzed so far :

Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized
Total				

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

Date	Thematic Area	Male	Female	Extension Functionaries	Total
05-02-14	Crop Production	38	6	3	47
06-02-14	Horticulture	34	2	1	37
07-02-14	Women Empowerment	73	23	2	98
08-02-14	Live Stock Development	14	28	2	44
09-02-14	Enterpreneurship Development	8	1	1	10
Total		167	60	9	236

3.14. RAWE programme - is KVK involved?

No of student/ARS trained	No of days stayed

3.15. List of VIP visitors including the officials of ZPD and DEE

Date	Name of the person	Purpose of visit

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)
SRI Technique		60-70%	16000	26000
Use of Rhizobium		60%	32000	36000
Change in cropping system		42%	100000	166000
Deworming in animal		20%	3750	4025
FMD in animal		20%	5000	8000
Formulation of balance diet		17%	4000	5000
Value- addition of fruits & vegetable		5%	2000	3500
Women empowerment and income generation through Mushroom production		30%	500	3000
Zero tillage		45%	51000	54000

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

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

- Vocational training started in goatry, dairy, poultry mushroom etc. after the training 6goatory unit up gradation in dairy unit and poultry unit and 4 mushroom commercial unit have been started through SHG.
- Popularization of SRI technique in Paddy, Wheat vegetable and oil seeds.
- About 5 quintals of Dhaicha seed produced and sold among the farmers to maintain soil health during reported period.
- Popularization of high yielding variety of Paddy i.e., sahbhagi tried at farm field to introduced among farmers,

- This Kendra has popularized Rai Var. R. Suflam and R. Anukaul, Lentil-Arun , HUL57 under low water and low fertilizer condition.
- Popularization of different drugs for the treatement of sterility in dairy animals.
- Popularization of ectoparasiticids on dairy animals for disease management increasing milk production & health of dairy animal
- Popularization of Papad making Machine
- Popularization of mushroom production through supply of spawn
- Popularization of zero tillage technique for wheat Production.
- .Popularization of eco-friendly and safe insecticide i.e.Fipronil, IndoxacarbEmamectin Benzoate.

4.4 Details of innovations recorded by the KVK

Thematic area	
Name of the Innovation	
Details of Innovator	
Back ground of innovation	
Technology details	
Practical utility of innovation	

4.5 Details of entrepreneurship development

Entrepreneurship development	
Name of the enterprise	
Name & complete address of the entrepreneur	
Intervention of KVK with quantitative data support:	
Time line of the entrepreneurship development	
Technical Components of the Enterprise	
Status of entrepreneur before and after the enterprise	
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	
Horizontal spread of enterprise	

4.6 Any other initiative taken by the KVK

5.0 LINKAGES

5.1 Functional linkage with different organizations

Name of organization	Nature of linkage
1. District Agriculture Officer, Gaya	Training to farmers & Extension functionaries

2. Agricultural Technology Management Agency (ATMA), Gaya	Training, Field day, KisanMela
3. District Horticulture Office, Gaya	Training
4.Bihar State Forest Development Corporation, Gaya	Training
5. Sugarcane Development Department, Gaya/Patna.	Training / Exhibition / Seminar
6. District Soil Conservation Department, Gaya.	Training
7. National Fertilizer Limited, Gaya.	Seminar, Field day, Training
8. Indian Farmers Fertilizer Co. (IFFCO) Gaya.	Field day, Seminar, Training
9. Tata Chemical Ltd., Gaya.	Seminar, Training,
10. Roji – Roti (NGO), Manpur, Gaya.	Training
11. Micro-Mode Management Project Govt. of Bihar, (RAU, Pusa)	Field Demonstration.
12. National Horticulture Mission Govt. of Bihar (RaU, Pusa)	Model Horticultural Nursery.
13. Agricutural Research Institute Patna.	Nursery Development of Medicinal & Aromatic Plants.
14. Pradan Gaya –	Training, field day
15. ICAR- Research complex for eastern region, Patna	Demonstration on LEWA irrigation system
16. Paradeep Phosphates Limited, Gaya	Field day,
17. Bihar Agriculture Management & Extension Training Institute, Patna	Participation in meeting, Conducting Training Programme, joint implementation etc.
.!8 NABARD	Training,
19.DRDA,Gaya	Training,Infracture development
20. BASIX	Training

5.2. List special programmes undertaken during 2013-14 by the KVK, which have been financed by ATMA/ Central Govt/ State Govt./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.)

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

Total				
Name of the programme/scheme	Purpose of programme	Date/ Month of initiation	Funding agency	Amount (Rs.)

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.									
2.									
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	
Wheat	Nov 12	Apr. 13	3.0	D BW14	FS/CS	74.00	71542	237900	Seed sold
Moong	Apr-13	Jun-13	0.8	PDM -139	T/L	4.15	9500	37350	Seed sold
Lentil	Nov-12	Mar-13	1.0	HUL-57	C/S	1.4	3500	9520	Seed sold
Lentil	Nov-12	Mar-13	1.0	Arun	T/L	2.28	3000	15280	Seed sold
Dhaicha	Jun-13	Nov-13	1.0	Local		4.5	2500		Seed for sale
Paddy	Jul-Aug-13	Nov-13	1.54	Sahbhagi	F/S	39.95	17500		Seed for sale
Paddy	Jul-Aug-13	Nov-13	1.56	R.Sweta	F/S	39.32	18000		Seed for sale

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.					

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)
Total :			

(For whole of the year)

6.5 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

7.FINANCIAL PERFORMANCE

7.1 Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number

7.2 Utilization of funds under FLD on Oilseed *(Rs. In Lakhs)*

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)*

Item	Released by ICAR		Expenditure		Unspent balance as on 1st 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 1st April 2012
	Kharif	Rabi	Kharif	Rabi	

TOTAL					

7.5 Utilization of KVK funds during the year 2013 -14 (Not audited)

S. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	5040000	5040000	5035467
2	Traveling allowances	75000	75000	75000
3	HRD	20000	20000	15388
3	Contingencies			
A	Stationary, telephone, postage & other			
B	POL, Repair of vehicle, tractor and equipments	440000	440000	440000
C	Training of farmers, training material			
D	Postage, chart, training of EF, training of RY	300000	300000	300000
E	FLD	150000	150000	150000
F	OFT	100000	100000	65658
G	Maintenance of building	50000	50000	50000
H				
I				
J				
TOTAL (A)		**6175000**	**6175000**	**6131513**
B. Non-Recurring Contingencies				
1		-	-	-
2		-	-	-
3		-	-	-
4		-	-	-
TOTAL (B)		-	-	-
C. REVOLVING FUND		-	-	-
GRAND TOTAL (A+B+C)		**6175000**	**6175000**	**6131513**

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

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year (Kind + cash)
2011-12	259043.85	155099.00	252833.00	161309.85
2012-13	145596	263793	169181	269662.85
2013-14	269662.85	251077	132851	387888.85

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.

Jan Jagriti Sansthan,(Mushroom Vegetable production), BASIX (Vermi culture ,Poultry,Seed production)

7.7 Details of marketing channels created for the SHGs- NA

7.8. Special programme on Food and Nutrition :
Poshak Laddu

7.9. Community Radio Station :-NA

Joint activity carried out with line departments and ATMA

Name of activity	Season	With line department	With ATMA	Both

8. Other information

8.1. Prevalent diseases in Livestock/Crops

Name of the disease	Crop/animal	Date of outbreak	Number of death/ % crop loss	Number of animals vaccinated

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	

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

8.4. KMAS /SMS Portal

KISAN MOBILE ADVISORY SERVICE

No. of calls	No. of farmers covered	No. of messages	Types of messages (No.)					
			Crop	Livestock	Weather	Marketing	Awareness	Other
	19800	26	18	4			3	1

8.5. SMS PORTAL

Date of start of functioning of SMS portal : 05.08.13

No. of messages	No. of calls	No. of farmers covered	Types of messages (No.)					
			Crop	Livestock	Weather	Marketing	Awareness	Other
56	56	5600	26	13			15	2

8. 6.Programme with Seema Suraksha Bal (BSF)

Title of Programme	Date	No. of participants

8.7. a. Utilization of HRD fund (Rs 0.20 Lakh provided to KVKs)

Training programme/ Seminar/ Symposia/ Workshop etc attended	Duration	Name of the participants	Designation	Organizer of the training Programme	Amount spent for the purpose (Rs.)
Youth Festival	2 Days	Farmers	Farmers	BAU, Sabour	7288.00
OFT	5 Days	Dr. Govind Kumar	SMS (Agro.)	BAU, Sabour	5000.00
OFT	4 Days	Dr. Ranjeet Kumar	SMS (Ento.)	BAU, Sabour	
Value addition and processing of food from animal origin.	3 Days	Dr. Anil Kumar	SMS (Ani. Sc.)	WBA&FSU ZPD	3100.00
Marketing	2 Days	Dr. Ranjeet Kumar	SMS (Ento.)	NIAM/BVSC	1000.00

b. HRD fund utilized for other purposes

Head	Amount (Rs.)

8.8. Performance of Automatic Weather Station in KVK

Date of establishment	Source of funding i.e. IMD/ICAR/Others (pl. specify)	Present status of functioning

8.9. 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

8.10. Achievement under TSP Project (Saraikella, Godda, Sahibganj, Dumka, Giridih,, Pakur)

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	

Details of Activities under TSP Project

Activities		No. of participants			Approx. expenditure (Rs.)
		M	F	T	
No. of on-farm trials					
Frontline demonstrations					
Farmers trained					
No of extension activities					
Input made available					
Seed (q)					
Planting material (No)					
Livestock strains and finger lings					
No of poultry, duck, pig, goat provided					
No of farm implements provided					
Others, if any, please specify					
Exposure visit					
Exhibition					
Kisan Mela					

8.11 PROGRESS REPORT OF NICRA KVK (Technology Demonstration component) 2013-14
(**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

Crop Management

Name of intervention undertaken	Area (ha)	No of farmers covered / benefitted	Remarks

Livestock and fisheries

Name of intervention undertaken	Number of animal covered	Number of units	Area (ha)	No of farmers covered / benefitted	Remarks

Institutional interventions

Name of intervention undertaken	No of units	Area (ha)	No of farmers covered / benefitted	Remarks

Capacity building

Thematic area	No. of Courses	No. of beneficiaries		
		Males	Females	Total

Extension activities

Thematic area	No. of activities	No. of beneficiaries		
		Males	Females	Total

Detailed report should be provided in the circulated Performa

8.12. 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	

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

8.13. Awards/Recognition received by the KVK

Sl. No.	Name of the Award	Year	Conferring Authority	Amount	Purpose

Award received by Farmers from the KVK district

Sl. No.	Name of the Award	Name of the Farmer	Year	Conferring Authority	Amount	Purpose