Annual Progress Report
(April 2014-March 2015)

Krishi Vigyan Kendra Manpur, Gaya

भाकृअनुप
ICAR

Directorate of Extension Education

Bihar Agricultural University, Sabour, Bhagalpur

ANNUAL PROGRESS REPORT 2014
(April 2014 to March 2015)

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, 2015)

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	Relived on 27-01-2015	OBC
6	Subject Matter Specialist	Dr. Anil Kumar Ravi	SMS	Vet. Sc.	(15600-39100) 21630/-	20-04-2012	Permanent	SC
7	Subject Matter Specialist						Vacant	
8	Subject Matter Specialist						Vacant	
9	Programme Assistant	Smt. Neha	Programme Assistant (Lab. Tech.)	B. Sc. (Ag)	(9300-34800) 13910/-	02-11-2012	Permanent	OBC
10	Computer Programmer	Sri Ved Prakash	Programme Assistant (Computer)	MCA	(9300-34800) 13500/-	20-05-2013	Permanent	OBC
11	Farm Manager	Sri Mukesh Kumar	Farm Manager	M. Sc. (Ag) (Ext.Edu.)	(9300-34800) 13910/-	30-10-2012	Permanent	OBC
12	Accountant / Superintendent	Sri Prem Kumar	Assistant	MBA in Finance	(9300-34800) 13500/-	13-04-2013	Permanent	EBC
13.	Stenographer	Sri Patwardhan Kumar	Stenographer	MA	(5200-20200) 9910/-	04-07-2013	Permanent	OBC
14.	Driver	Sri Akhilesh Kumar	Jeep driver	Matric	6400/- (consolidated)		Contract	Others
15.	Supporting staff	Sri Ravindra Yadav	Tractor Driver		6810/- (consolidated)		(Outsource)	
16.	Supporting staff	Sri Kokila Nand Pandey	Chaukidar		5533/-(consolidated)		(Outsource)	Others
	Supporting staff	Smt. Laxami Devi		-	5533/-(consolidated)		(Outsource)	

1.6. Total land with KVK (in 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.	Goatry unit					Complete		ICAR	
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	181840	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		Satisfactory	
Exide Battery (2)	2012	37500	Satisfactory	
Computer with accessories	2012	49145	Satisfactory	
Godrej almirah 1,Table 4, Chair 10, Revolving 1, Rack 1	2013	98092	Satisfactory	
Godrej almirah 9	2014		Satisfactory	
Photocopier Machine	2014	75000	Satisfactory	
Biometric based attendance machine	2014	24750	Satisfactory	
Fiber chair & Table	2014		Satisfactory	
Microscope	2014		Satisfactory	
Steel bed	2014		Satisfactory	
Trunk steel	2014		Satisfactory	
Vegetable Processing unit	2014		Satisfactory	
Water Purifier Machine	2014		Satisfactory	
Video Conference Materials	2014		Satisfactory	
Mini Studio Room Materials	2014		Satisfactory	
b. Farm machinery				
c. AV Aids				

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		Stolen FIR Reported	
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

Sl. No.	Date	Number of Participants	Salient Recommendations	Action taken	If not conducted, state reason
1.	26.09.2014	66	• Seed Production programme should be taken through SHGs. • One village should be developed as frontier village of technology adoption by the KVK. • KVK should be involved in the training programme of groups formed by PRAN. • Gardeners training should be organised at KVK. • Video clipping on different technologies should be shown to the farmers during training programme. • Soil testing Lab should be established in KVK		

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

Participants:

1. Dr. U. S. Jaiswal, ADEE, BAU, Sabour, Bhagalpur.
2. Dr. K. S. Das, Sr. Scientist, ZPD Unit, Kolkata
3. Dr. S. Chaurasia, P.C., KVK, Gaya
4. Dr. Giresh Chand, Assoc. Prof., BAU, Sabour
5. Dr. Nidhi Sinha, SMS (H. Sc.), KVK Gaya
6. Dr. Govind Kumar, SMS (Agronomy), KVK Gaya
7. Dr. Ranjeet Kumar, SMS (Entomology), KVK Gaya
8. Dr. Anil Kr. Ravi, SMS (Animal Sc.), KVK Gaya
9. Sri Arun Kumar, Project Director, ATMA, Gaya
10. Sri Niraj Kumar Verma, Dy. PD, ATMA, Gaya
11. Sri Rajeshwar Pd. Singh, Animal Husbandary Officer, Gaya
12. Sri Sudama Singh, Zila Paramarshi, NFSM, Gaya
13. Sri Manish Kumar, Manager-NF&ME, JEEVIKA, Gaya
14. Sri Shailesh Kumar, Manager LH, JEEVIKA, Gaya
15. Sri Anil Kr. Verma, Executive Director-PRAN, Gaya
16. Sri Rajani Bhushan, Basix Gaya
17. Sri Chandeshwar Choudhary, J.E., BVC, Patna
18. Sri Shashi Kumar, Progressive Farmer, Surhari, Gaya
19. Smt. Shushma Devi, SAC Member, Manpur, Gaya
20. Smt. Draupadi Devi, SAC Member, Bankebazar, GAya
21. Sri Bipin Kumar, SAC Member, Guraru, Gaya
22. Sri Birendra Singh, SAC Member, Manpur, Gaya
23. Sri Chandra Bhushan, SAC Member, Tekari, Gaya
24. Sri Tula Prasad, Progressive Farmer, Gaya
25. Sri Suryadeo Mehta, Progressive Farmer, Punawa, Gaya
26. Sri Rakesh Kr. Singh, Progressive Farmer, Gaya
27. Sri Jagdish Singh Arya, Progressive Farmer, Mirzapur, Gaya
28. Smt. Anuradha Sharma, Progressive Farmer, Manpur, Gaya
29. Sri Ramesh Singh, Progressive Farmer, Gaya
30. Sri Chandra Bhushan Singh, Progressive Farmer, Gaya
31. Smt. Shova Devi, Jan Jagran Sansthan, Gaya
32. Sri Binod Kr. Singh, Sherghati, Gaya
33. Sri Sriniwas Sharma, Progressive Farmer, Gaya

34. Sri Purnendu Shekhar, Progressive Farmer, Gaya
35. Sri Anil Kumar, Progressive Farmer, Gaya
36. Sri Vijay Singh, Progressive Farmer, Gaya
37. Sri Santosh Kumar, Progressive Farmer, Gaya
38. Sri Chitranjan Kumar Progressive Farmer, Gaya
39. Sri Kapildeo Singh Progressive Farmer, Gaya
40. Sri Prince Kumar, Progressive Farmer, Gaya
41. Sri Varun Kumar, Progressive Farmer, Gaya
42. Sri Akhilesh Kr. Singh, Progressive Farmer, Gaya
43. Sri Anand Mohan, Progressive Farmer, Gaya
44. Sri Pappu Kumar Verma, Progressive Farmer, Gaya
45. Sri Kumar Yogesh, Progressive Farmer, Gaya
46. Sri Sanjay Kumar, Progressive Farmer, Gaya
47. Sri Satya Prakash, Progressive Farmer, Gaya
48. Sri Phirangi Prasad, Progressive Farmer, Gaya
49. Sri Chandradeo Prasad, Progressive Farmer, Gaya
50. Sri Vijay Kumar, Progressive Farmer, Gaya
51. Sri Uttam Kumar, Progressive Farmer, Gaya
52. Sri Alok Kumar, Progressive Farmer, Gaya
53. Sri Brajendra Kumar, Progressive Farmer, Gaya
54. Sri Ajit Kumar Raushan, Progressive Farmer, Gaya
55. Sri Pawanjay Kumar, Progressive Farmer, Gaya
56. Sri Pankaj Kumar, Progressive Farmer, Gaya
57. Sri Veer Mani Pathak, Progressive Farmer, Gaya
58. Sri Mukesh Kumar, Farma Manager, KVK Gaya
59. Smt. Neha, Programme Assistant (LT), KVK Gaya
60. Sri Prem Kr. Thakur, Assistant, KVK Gaya
61. Sri Ved Prakash, Programme Assistant (Computer), KVK Gaya
62. Sri Patwardhan Kumar, Stenographer, KVK, Gaya
63. Sri Birendra Singh, Press Reporter, Hindustan, Gaya
64. Sri Mithilesh Kr.Sinha, Press Reporter, Dainik Jagaran, Gaya
65. Sri Uday Shankar Pd., Press Reporter, Prabhat Khabar, Gaya
66. Sri Arun Kishor Chandan, Press Reporter, Aajtak, Gaya

2. District level data on agriculture, livestock and farming situation (2014-15)

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' 14	0.0			
May'14	1.61			
Jun' 14	0.0	42-47		
Jul' 14	142.3			
Aug'14	648.6			
Sep' 14	49.2			
Oct' 14	0.0			
Nov' 14	0.0			
Dec' 14	0.0		02-05	
Jan' 15	0.0			
Feb' 15	20.0			
Mar'15	8.0			

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 (2014-15)

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	Pehani	Paddy, Wheat, Potato, Vegetables, Mushroom,	Use of non-recommended Pesticide, Use of traditional varieties	Seed Production / Vermi compost IPM INM Use of bio fertilizer
2.		Manpur	Saraiya	Paddy, Wheat, Vegetable, flower, Goatry, poultry	-Use of non-recommended Pesticide, Use of traditional varieties	High incidence of insect pest
3.		Sherghati	Newada	Vegetable, Paddy, Wheat, Dairy, Vermi compost	-Use of non-recommended Pesticide, Use of traditional varieties	-do-
4.		Tekari	Mahmadpur	Paddy, Wheat, lentil, Rai, sugarcane, Potato	Lack of irrigation facilityUse of non-recommended Pesticide, Use of traditional varieties	-do-
5.		Atri	Piyar	Paddy, Wheat, Potato, Vegetables, Mushroom,	-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 2014-15**@**

OFT				FLD			
Number of OFTs		Number of farmers		Number of FLDs		Number of farmers	
Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
10	9	168	158	11	08	300	286

	Training				Extension activities			
	Number of Courses		Number of Participants		Number of activities		Number of participants	
	Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
PF	53	75	1285	1800	23	17	2520	2266
EF	08	08	160	237				
RY	06	05	150	440				

Seed production (q)		Planting material (Nos.)	
Target	Achievement	Target	Achievement
100 q	112.88	-	-

@Target should match with your midterm report

3.1 **Achievements on technologies assessed and refined**

OFT-1 (2013-14)

<table>
<tr><td>1.</td><td>Title of On farm Trial</td><td colspan="12">Assessment of different herbicides (new molecules) for controlling weeds in wheat.</td></tr>
<tr><td>2.</td><td>Problem diagnose</td><td colspan="12">High infestation of weeds causes yield reduction(AV upto 30%)</td></tr>
<tr><td>3.</td><td>Details of technologies selected for assessment/refinement</td><td colspan="12">I. Framers Practice : No control measure
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.</td></tr>
<tr><td>4.</td><td>Source of Technology</td><td colspan="12">G.B. Pant. Uni. Agri. & Tech, Pantnagar</td></tr>
<tr><td>5.</td><td>Production system and thematic area</td><td colspan="12">Rice – wheat cropping system, weed management</td></tr>
<tr><td>6.</td><td>Performance of the Technology with performance indicators</td><td colspan="12"><table>
<tr><th rowspan="2">T.O.</th><th rowspan="2">No. of trials</th><th rowspan="2">Variety</th><th rowspan="2">No. of weeds (Sq.m)</th><th colspan="3">Types of weeds</th><th rowspan="2">Dry wt. (gm/ m^2)</th><th rowspan="2">Yield Q/ha</th><th rowspan="2">Gross Cost (Rs.)</th><th rowspan="2">Gross Return</th><th rowspan="2">Net Return</th><th rowspan="2">BCR</th></tr>
<tr><th>Broad leaf</th><th>Gr. family</th><th>Motha</th></tr>
<tr><td>T1</td><td rowspan="4">15</td><td rowspan="4">DBW-14</td><td>318</td><td>175</td><td>111</td><td>31</td><td>292</td><td>25.35</td><td>21380</td><td>39799</td><td>16619</td><td>1.72</td></tr>
<tr><td>T2</td><td>213</td><td>117</td><td>75</td><td>21</td><td>147</td><td>27.9</td><td>24275</td><td>43803</td><td>19528</td><td>1.81</td></tr>
<tr><td>T3</td><td>124</td><td>68</td><td>43</td><td>12</td><td>107</td><td>32.0</td><td>24940</td><td>50240</td><td>25300</td><td>2.01</td></tr>
<tr><td>T4</td><td>102</td><td>56</td><td>36</td><td>10</td><td>97</td><td>33.8</td><td>25075</td><td>53066</td><td>27991</td><td>2.12</td></tr>
</table></td></tr>
<tr><td>7.</td><td>Final recommendation for micro level situation</td><td colspan="12">After assessment of different technical option it could be recommended to adopt technology option-2 and technology option-3 for more benefit.</td></tr>
<tr><td>8.</td><td>Constraints identified and feedback for research</td><td colspan="12">i. Lack of trained labors in handling of paddy drum seeder
ii. Gap filling required in few places
iii. Time of sowing can’t be decided due to irregularity of monsoon.</td></tr>
<tr><td>9.</td><td>Process of farmers participation and their reaction</td><td colspan="12">Farmers were least interested initially. But after successful outcomes farmers are showing their interest towards adoption technology.</td></tr>
</table>

OFT-2 (2013 - 14)

<table>
<tr><td>1.</td><td>Title of On farm Trial</td><td colspan="9">Efficacy of insecticide against sucking pest of Moong bean.</td></tr>
<tr><td>2.</td><td>Problem diagnose</td><td colspan="9">• 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.</td></tr>
<tr><td>3.</td><td>Details of technologies selected for assessment/refinement</td><td colspan="9">Farmers practices – No control measure
Technology option1- Thiomethoxam 25 WDlu@100g/ha
Technology option 2 –Acephate 75 SP @ 400g/ha</td></tr>
<tr><td>4.</td><td>Source of Technology</td><td colspan="9">BAU, Sabour</td></tr>
<tr><td>5.</td><td>Production system and thematic area</td><td colspan="9"></td></tr>
<tr><td>6.</td><td>Performance of the Technology with performance indicators</td><td>T.O.</td><td>No. of trials</td><td>Variety</td><td>Infestation (%)</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></td><td></td><td>T1</td><td>16</td><td rowspan="3">PDM - 139</td><td>14.59</td><td>10.39</td><td>10900</td><td>41560</td><td>30600</td><td>3.81</td></tr>
<tr><td></td><td></td><td>T2</td><td>16</td><td>8.27</td><td>11.46</td><td>11400</td><td>45840</td><td>34440</td><td>4.02</td></tr>
<tr><td></td><td></td><td>T3</td><td>16</td><td>9.62</td><td>11.27</td><td>11200</td><td>45080</td><td>33880</td><td>4.02</td></tr>
<tr><td>7.</td><td>Final recommendation for micro level situation</td><td colspan="9">Result of trials indicates that tech. option 1 and tech. option 2 are equally beneficial for farmers.</td></tr>
<tr><td>8.</td><td>Constraints identified and feedback for research</td><td colspan="9">Although the cost of both the insecticides is higher than the insecticides used already by the farmers but the farmers with the result of tech. option 2 & 3.</td></tr>
<tr><td>9.</td><td>Process of farmers participation and their reaction</td><td colspan="9">As the new and safe insecticides are beneficial for the farmers they are ready to adopt these technologies in their farming system.</td></tr>
</table>

OFT-3 (2013 -14)

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 : Without any supplement T2 : Normal Diet + Wheat(100g)+ Greengram(20g)+ Groundnut(10g)+ Riceflakes (50g) + Cauliflower(25g)+Drumstickleaves(5g)+ Sugar Dust(10g) T3 : Normal Diet + Maize(100g)+ Greengram(20g)+ Groundnut(10g)+ Riceflakes (50g) + Cauliflower(25g)+Drumstickleaves(5g)+ Sugar Dust(10g) T4 : Normal Diet + 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	

T.O.	No. of trials	Hemoglobin level				Body Wt.		Weight gain	% increase in weight gain
		Before trial		After trial		Before	After		
		Normal	Normal	Normal	Normal				
T1	10	-	10	-	10	36.2	36.5	0.3	0.82
T2	10	-	10	08	02	37.0	38.0	1.0	2.70
T3	10	-	10	06	04	36.5	37.0	0.5	1.36
T4	10	-	10	09	01	37.0	38.1	1.1	2.90

7.	Final recommendation for micro level situation	Result of trial shows that tech. option 2 (Wheat(100g)+ Greengram (20g) + Groundnut (10g) + Riceflakes (50g) + Cauliflower(25g)+ Drumstickleaves (5g)+ Sugar Dust (10g)) combination shows similar effect on the body wt. gain and increase in hemoglobin percent of adolescent girls. So it would be recommended that the given combination can be provided to rural girls at local level for their gain is hemoglobin level instead of costly health drinks.
8.	Constraints identified and feedback for research	1. Unavailability of health personnel for regular hemoglobin examines 2. Non limitation of the amount of ready "Iron rich diet" 3. Data estimation fluctuates due to mishappenings.
9.	Process of farmers participation and their reaction	Farmers are enthugiastics to know the formula for making & adoption of local health mixture.

OFT-4

<table>
<tr><td>1.</td><td>Title of On farm Trial</td><td colspan="10">Evaluation of different crop establishment practices for rice cultivation in Gaya.</td></tr>
<tr><td>2.</td><td>Problem diagnose</td><td colspan="10">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 colspan="10">I. Farmers practice
II. Glyphosate 41 % SL @ 2.0 lit /ha, 10- 15 days before seeding + Dry Seeding by ZT followed by light irrigation + 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 + Primed seed on moist field with ZT + 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 colspan="10">G.B.P.U.A. & T., Pantnagar</td></tr>
<tr><td>5.</td><td>Production system and thematic area</td><td colspan="10">Rice-wheat</td></tr>
<tr><td>6.</td><td>Performance of the Technology with performance indicators</td><td>T.O.</td><td>No. of trials</td><td>Variety</td><td>No. of trillers per sq.m.</td><td>Grains /ear head</td><td>1000 grain wtl (g)</td><td>Yield (q/ha)</td><td>Cost of culti (Rs/ha)</td><td>Gross income Rs/ha</td><td>Net Income Rs/ha</td><td>B:C ratio</td></tr>
<tr><td></td><td></td><td>T1</td><td>8</td><td rowspan="3">R. Sweta</td><td>239.40</td><td>272.3</td><td>16.64</td><td>46.80</td><td>31980</td><td>75040</td><td>43060</td><td>2.35</td></tr>
<tr><td></td><td></td><td>T2</td><td>8</td><td>233.70</td><td>265.4</td><td>16.18</td><td>43.30</td><td>26890</td><td>69615</td><td>42725</td><td>2.59</td></tr>
<tr><td></td><td></td><td>T3</td><td>8</td><td>232.80</td><td>264.8</td><td>16.08</td><td>43.10</td><td>26890</td><td>69305</td><td>42415</td><td>2.57</td></tr>
<tr><td>7.</td><td>Final recommendation for micro level situation</td><td colspan="10">DSR using ZT machine on dry bed or moist bed is cost effective and eco friendly and having high benefit cost ratio provided adequate weed management practices should be taken care.</td></tr>
<tr><td>8.</td><td>Constraints identified and feedback for research</td><td colspan="10">Ensured irrigation is essential, and gap filling at few places is needed.</td></tr>
<tr><td>9.</td><td>Process of farmers participation and their reaction</td><td colspan="10">Initially farmers were hesitating to adopt this technology but with the progress of their crop and finally after realizing the higher benefit they are agree to adopt this technology.</td></tr>
</table>

OFT-5

1.	Title of On farm Trial	Bio-efficacy of some insecticides against Brown Plant Hopper (Nilaparvata Lugens) in paddy.									
2.	Problem diagnose	• About 25-30% yield loses due to infestation of brown plant hopper • Farmers are using synthetic pyrithraids for management of BPH									
3.	Details of technologies selected for assessment/refinement	I. Farmers practice - Chloropyriphos 20 EC @ 200 ml/ha II. Ethiprole 40% + Imidachloprid 40% (80 g) @ 100 g/ha, 100g/ha III. Buprofezine 20 EC @ 1000 ml/ha									
4.	Source of Technology	G.B.P.U.A. & T, Pantnagar, Uttarakhand									
5.	Production system and thematic area	Rice – wheat cropping system, IPM									
6.	Performance of the Technology with performance indicators	T.O.	No. of trials	Variety	No. of trillers per sq.m.	Grains/ear head	1000 grain wtl (g)	Yield (q/ha)	Cost of culti (Rs/ha)	Gross income Rs/ha	Net Income Rs/ha	B:C ratio
		T1	20	R. Sweta	5.02	6.32	8.27	35.72	28200	53580	25380	1.90
		T2	20		0.72	0.89	0.06	41.38	32000	62070	30070	1.93
		T3	20		0.99	1.62	0.12	39.85	31100	59775	28675	1.92
7.	Final recommendation for micro level situation	Technical option 2 and 3 both are equal in performance. Farmers can use any one of them.									
8.	Constraints identified and feedback for research	These chemicals are costly.									
9.	Process of farmers participation and their reaction	Due to best performance of these chemicals farmers are agree to adopt these									

OFT-6

<table>
<tr><td>1.</td><td>Title of On farm Trial</td><td colspan="6">Assessment of performance of selected income generating activities or microenterprises on the success of SHGs.</td></tr>
<tr><td>2.</td><td>Problem diagnose</td><td colspan="6">Quality of SHGs performance is critical and there is need to examine the strategies of working, types of income generating activities or microenterprises selected, fund flow and its profitability for the assessment of success of SHGs.</td></tr>
<tr><td>3.</td><td>Details of technologies selected for assessment/refinement</td><td colspan="6">Technical option 1: SHGs with credit flow only
Technical option 2: SHG – Agarbatti production
Technical option 3: SHG – Mushroom production
Technical option 4: SHG – Poultry production
Technical option 5: SHG – Baby corn production</td></tr>
<tr><td>4.</td><td>Source of Technology</td><td colspan="6"></td></tr>
<tr><td>5.</td><td>Production system and thematic area</td><td colspan="6">Gender mainstreaming through SHGs.</td></tr>
<tr><td rowspan="7">6.</td><td rowspan="7">Performance of the Technology with performance indicators</td><td rowspan="2">Technology Option</td><td rowspan="2">No. of trials</td><td rowspan="2">Yearly performance of production</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. opt 1</td><td>10</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></tr>
<tr><td>Tech. opt 2</td><td>10</td><td>10/6000kg/yr</td><td>56000.00</td><td>120000.00</td><td>64000.00</td><td>2.14</td></tr>
<tr><td>Tech. opt 3</td><td>10</td><td>10/800bag/yr</td><td>32000.00</td><td>96000.00</td><td>64000.00</td><td>3.00</td></tr>
<tr><td>Tech. opt 4</td><td>10</td><td>10/10chicks/yr</td><td>14500.00</td><td>35200.00</td><td>20700.00</td><td>2.40</td></tr>
<tr><td>Tech. Opt 5</td><td>10</td><td>10/3acre/year</td><td>38000.00</td><td>120000.00</td><td>82000.00</td><td>3.15</td></tr>
<tr><td>7.</td><td>Final recommendation for micro level situation</td><td colspan="6">Result of BC ratio for poultry production – shows significant but it would be suggested to SHG members to establish Mushroom Unit as it has more No. of cycle of production in a year than Poultry Unit therefore they can get maximum Gross Return if members are surviving as landless situation. If they possess land they must go for baby corn production.</td></tr>
<tr><td>8.</td><td>Constraints identified and feedback for research</td><td colspan="6">I. Lack of proper training among SHGs members
II. Accidental cases may cause fluctuation in analysis.</td></tr>
<tr><td>9.</td><td>Process of farmers participation and their reaction</td><td colspan="6"></td></tr>
</table>

OFT-7

<table>
<tr><td>1.</td><td>Title of On farm Trial</td><td colspan="6">Assessment of different base materials on oyster mushroom production</td></tr>
<tr><td>2.</td><td>Problem diagnose</td><td colspan="6">High cost of wheat straw.</td></tr>
<tr><td>3.</td><td>Details of technologies selected for assessment/refinement</td><td colspan="6">Technical option 1: Farmers practice – Use of wheat straw as base material
Technical option 2: Use of wheat straw (50%) + paddy straw (50%) as base material
Technical option 3: Use of wheat straw (50%) + maize straw (50%) as base material
Technical option 4: Use of paddy straw (50%)+ maize straw (50%) as base material</td></tr>
<tr><td>4.</td><td>Source of Technology</td><td colspan="6">Directorate of Mushroom Research, Solan, H.P.</td></tr>
<tr><td>5.</td><td>Production system and thematic area</td><td colspan="6">Mushroom Production</td></tr>
<tr><td rowspan="5">6.</td><td rowspan="5">Performance of the Technology with performance indicators</td><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>2.00</td></tr>
<tr><td>Tech. option 2</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 3</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>
<tr><td>Tech. option 4</td><td>10</td><td>7.2</td><td>270.00</td><td>720.00</td><td>450.00</td><td>2.60</td></tr>
<tr><td>7.</td><td>Final recommendation for micro level situation</td><td colspan="6">As per the result trial in terms of total production and BC ratio farmers were recommended to use Tech. Option 2 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="6">Fluctuation in normal temperature during the season affected the overall production of mushroom.</td></tr>
<tr><td>9.</td><td>Process of farmers participation and their reaction</td><td colspan="6">Farmers are ready to adopt technology for mushroom production.</td></tr>
</table>

OFT-8

1.	Title of On farm Trial	Management of Hypogalactic condition in dairy animals.					
2.	Problem diagnose	Reduce in milk yield in lactating animals in various condition					
3.	Details of technologies selected for assessment/refinement	T1- Farmers Practice – No any supplement T2- Calcium & vitamin supplementation (@ 100 ml daily for 30 days) T3- Herbal preparation (@ 4 boli per day orally once daily for 20 days)					
4.	Source of Technology	Bombay Veterinary college, Parel, Mumbai					
5.	Production system and thematic area	Disease management					
6.	Performance of the Technology with performance indicators	T.O.	Av. Milk production per day (lit.)	Cost of milk production (Rs.)	Gross Return (Rs.)	Net Return (Rs.)	BCR
		T1	4.16	1800	3744	1944	1.08
		T2	5.35	2250	4815	2565	1.14
		T3	4.95	2000	4455	2255	1.12
7.	Final recommendation for micro level situation	In hypogalactic condition in dairy animals calcium and vitamin supplementation may increase milk production and increase profit to farmers.					
8.	Constraints identified and feedback for research	Farmers not supply balanced feed to dairy animals they think it may increase cost of milk production					
9.	Process of farmers participation and their reaction	Farmers are ready to give balanced feed along with calcium and vitamin supplement to increase milk production.					

OFT-9

<table>
<tr><td>1.</td><td>Title of On farm Trial</td><td colspan="9">Efficacy of some fungicides against late blight of potato phytophthora infestance.</td></tr>
<tr><td>2.</td><td>Problem diagnose</td><td colspan="9">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 colspan="9">Farmers practice – Mancozab @2500gm/ha
Technology Option 1: Cymoxanil 8% + mancozab 64% @1000 gm/ha.
Technology Option 2: Femamidone 10% + mancozab 50% @ 1000gm/ha.</td></tr>
<tr><td>4.</td><td>Source of Technology</td><td colspan="9">CPRI, Shimla</td></tr>
<tr><td>5.</td><td>Production system and thematic area</td><td colspan="9">Rice – potato, IPM</td></tr>
<tr><td rowspan="4">6.</td><td rowspan="4">Performance of the Technology with performance indicators</td><td>T.O.</td><td>No. of trials</td><td>Variety</td><td>Disease score</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>10</td><td>K.Ashoka</td><td>3</td><td>152</td><td>76000</td><td>91200</td><td>15200</td><td>1.20</td></tr>
<tr><td>T.O 1</td><td>10</td><td>K.Ashoka</td><td>0</td><td>198</td><td>79500</td><td>108800</td><td>29300</td><td>1.37</td></tr>
<tr><td>T.O 2</td><td>10</td><td>K.Ashoka</td><td>0</td><td>188</td><td>78650</td><td>102800</td><td>24150</td><td>1.31</td></tr>
<tr><td>7.</td><td>Final recommendation for micro level situation</td><td colspan="9">Results of trial indicated that application of Cymoxanil 8% + mancozab 64% @1000 gm/ha found superior among technology followed by Femamidone 10% + mancozab 50% @ 1000gm/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 colspan="9">The cost of fungicide higher 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 colspan="9">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 coming season.</td></tr>
</table>

OFT-10

<table>
<tr><td>1.</td><td>Title of On farm Trial</td><td colspan="12">Assessment of different herbicide for controlling Cuscutta in Lentil</td></tr>
<tr><td>2.</td><td>Problem diagnose</td><td colspan="12">Cuscutta (Amarlatti) is a major weed in some part of the Gaya district causing yield reduction up to 80% in affected crops particularly in lentil/Chickpea</td></tr>
<tr><td>3.</td><td>Details of technologies selected for assessment/refinement</td><td colspan="12">I. Farmers practice (Handweeding)
II. Pendimethalin 30% EC @ 1000 g ai/ha PE (0-3 DAS) (Formulation 3.3 lit/ha)
III. Imazathapyr 10% SL @ 20g ai/ha post emergence (15-20 DAS) (Formulation 200 ml/ha)
IV. TO-I followed by TO-II</td></tr>
<tr><td>4.</td><td>Source of Technology</td><td colspan="12">BAU, Sabour, Bhagalpur</td></tr>
<tr><td>5.</td><td>Production system and thematic area</td><td colspan="12">Weed management</td></tr>
<tr><td>6.</td><td>Performance of the Technology with performance indicators</td><td colspan="12"><table>
<tr><th rowspan="2">T. O.</th><th rowspan="2">No. of trials</th><th rowspan="2">Variety</th><th rowspan="2">No. of weeds (Sq.m)</th><th colspan="3">Types of weeds</th><th rowspan="2">Dry wt. (gm/ m^2)</th><th rowspan="2">Yield Q/ha</th><th rowspan="2">Gross Cost (Rs.)</th><th rowspan="2">Gross Return</th><th rowspan="2">Net Return</th><th rowspan="2">BCR</th></tr>
<tr><th>Broad leaf</th><th>Gr. family</th><th>Motha</th></tr>
<tr><td>T1</td><td rowspan="4">15</td><td rowspan="4">Arun</td><td>257</td><td>135</td><td>102</td><td>20</td><td>240</td><td>8.09</td><td>16430</td><td>35982</td><td>19552</td><td>2.19</td></tr>
<tr><td>T2</td><td>95</td><td>40</td><td>29</td><td>18</td><td>98</td><td>11.36</td><td>18240</td><td>50524</td><td>32284</td><td>2.77</td></tr>
<tr><td>T3</td><td>125</td><td>68</td><td>40</td><td>17</td><td>122</td><td>10.38</td><td>18335</td><td>46413</td><td>28078</td><td>2.53</td></tr>
<tr><td>T4</td><td>72</td><td>38</td><td>18</td><td>16</td><td>58</td><td>12.65</td><td>18870</td><td>56364</td><td>37495</td><td>2.91</td></tr>
</table></td></tr>
<tr><td>7.</td><td>Final recommendation for micro level situation</td><td colspan="12">For effective control of cuscutta in lentil pre emergence application of pendimethalin followed by Imazathapyr(T4) recorded higher productivity and B:C ratio (2.91) followed by pre emmergence application of pendimethalin alone (T2) where B:C ratio (2.77).</td></tr>
<tr><td>8.</td><td>Constraints identified and feedback for research</td><td colspan="12"></td></tr>
<tr><td>9.</td><td>Process of farmers participation and their reaction</td><td colspan="12"></td></tr>
</table>

OFT-11

1.	Title of On farm Trial	Efficacy of some insecticides against fruit borer *Helicoverpa armigera* in tomato
2.	Problem diagnose	• About 30-35% yield loses due to infestation of fruit and shoot borer in tomato • Farmers are using chlorpyriphos 20 EC @ 3000ml/ha
3.	Details of technologies selected for assessment/refinement	I. Farmers practice II. Flubendiamide 39.85Sc@100ml/ha III. Novaluran 10 EC@500ml/ha IV. NPV250 LE@500ml/ha
4.	Source of Technology	G.B.P.U.A.T., Pantnagar/AIRCP vegetable
5.	Production system and thematic area	IPM
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 insecticides against jassids (*Amrasca bigitula bigitula*) in okra.
2.	Problem diagnose	• About 25-30% yield loses due to infestation of okra jassids • Farmers are using metasystox for the management of okra jassids
3.	Details of technologies selected for assessment/refinement	I. Farmers practice II. Thiomethoxam 25WDG@100g/ha III. Imidacloprid 70WDG 35g/ha
4.	Source of Technology	AIRCP vegetable
5.	Production system and thematic area	IPM
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 2014-15

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 (13-14)	Crop Production	Variety + sulpher	14	5	11.81	9.75	21.1%	16765	45878	29113	2.74	14870	38050	23180	2.55
Mustard (14-15)	Crop Production	Variety + sulpher	16	5	13.55	10.40	23.10	17845	47926	30081	2.69	15760	39117	23357	2.48
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 (13-14)	Crop production	Variety + Seed treatment materials	14	5	12.06	9.10	32.53%	11980	50652	38672	4.23	11230	38220	26990	3.40
Lentil (13-14)	Crop production	Herbicide	40	16	12.49	9.40	33.0%	17870	52460	34590	2.93	16050	39650	23640	2.47
Lentil (13-14)	Crop production	Variety	14	5	10.85	8.95	21.2%	16560	45850	29290	2.77	16120	37800	21680	2.35
Lentil (14-15)	Crop production	Variety	26	10	13.10	9.30	26.10%	17870	49220	31350	2.75	16430	38960	22530	2.37
	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
Wheat (13-14)	Crop production	Variety + Weedicide	27	10	33.84	26.10	29.65	57	408	25170	53028	27858	2.10	22465	40965	18500	1.82
Paddy (14-15)	Crop production	R.Sweta	13	5	43.61	38.60	12.98	-	-	30102	70096	39994	2.33	28898	58470	29580	2.02
Paddy (14-15)	Crop production	Sahbhagi	13	5	46.75	38.60	21.10	-	-	29985	70287	40302	2.34	28890	58470	29580	2.02
Paddy (14-15)	Crop production	Ardhjal	2	0.8	43.55	38.60	12.82	-	-	29540	65648	36108	2.22	28890	58470	29580	2.02
Paddy(IRRI/NFSM)	Crop production	Sahbhagi	77	30	44.3	38.60	14.77	-	-	29320	66735	37415	2.28	28890	58470	29580	2.02
Wheat	Crop production	Late sown variety + herbicide	25	10	Result awaited												
	Total																

Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No.of units/Area(ha)	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Dairy																	
Cow																	
Buffalo																	
Poultry	Poultry management		60	10 chicks	Result awaited												
Rabbitry																	
Pigerry																	
Sheep and goat																	
Duckery																	

Others (pl.specify)	Fodder management	Coix	3	0.3	793												
		Cowpea	4	0.4	190												
		Ricebean	2	0.2	185												
		Teosinte	1	0.1	240												
		Maize	5	0.5	326												
Total																	

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

Fisheries

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

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

Other enterprises

Category	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.) or Rs./unit				*Economics of check (Rs.) or Rs./unit			
				Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Oyster mushroom	Enterprise development	25	2Kg	14.2	12.0	18%	-	-	600	1420	820	2.36	600	1200	600	2.0
Button mushroom																
Vermicompost																

Sericulture																
Apiculture																
Others (pl.specify)	Kitchen Garden	10	200 sq. m.	60 meal	32 meal	87%	-	-	500	974	474	1.9	350	525	175	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	Poshak laddoo	10	Gain in weight	14.9 kg	13.7 kg
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	08-11-14	1	55	
2.	Farmers Training		7	212	
3.	Media coverage		3	Mass	
4.	Training for extension functionaries				

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	1	19	-	19	6	-	6	-	-	-	25	-	25
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management													
Seed production													
Nursery management	1	23	-	23	2	-	2	-	-	-	25	-	25
Integrated Crop Management													
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)	2	37	4	41	8	-	8	-	-	-	45	4	49
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)													
Training and Pruning													
b) Fruits													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
f) Spices													
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
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	38	4	42	4	-	4	-	-	-	42	4	46
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management	2	22	3	25	-	25	25	-	-	-	22	28	50
Feed management	1	18	0	18	6	2	8	-	-	-	24	2	26
Production of quality animal products													
Others, if any Goat farming													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development	1	16	6	22	4	-	4	-	-	-	20	6	26
Value addition	1	-	-	-	-	24	24	-	-	-	-	24	24
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care	1	-	8	8	-	17	17	-	-	-	-	25	25
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	1	19	4	20	1	-	1	-	-	-	20	1	21
Integrated Disease Management	2	40	-	40	8	2	10	-	-	-	48	2	50
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any	1	23	-	23	3	-	3	-	-	-	26	-	26

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
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													
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	**16**	**255**	**26**	**281**	**42**	**70**	**112**	**-**	**-**	**-**	**297**	**96**	**393**

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	16	3	19	1	-	1	-	-	-	17	3	20
Bee-keeping	1	35	1	36	3	-	3	-	-	-	38	1	39
Integrated farming													
Seed production	1	30	-	30	-	-	-	-	-	-	30	-	30
Production of organic inputs													
Integrated Farming													
Planting material production													
Vermi-culture	1	15	-	15	1	4	5	-	-	-	16	4	20

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
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	1	24	2	26	1	1	2	-	-	-	25	3	28
Sheep and goat rearing	1	23	2	25	4	-	4	-	-	-	27	2	29
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
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	-	23	23	-	3	3	-	-	-	-	26	26
TOTAL	**7**	**143**	**31**	**174**	**10**	**8**	**18**	**-**	**-**	**-**	**133**	**39**	**192**

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	4	19	7	-	7	-	-	-	22	4	26
Value addition													
Integrated Pest Management	1	19	5	4	2	-	2	-	-	-	21	5	26
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(Backyard)	1	17	1	18	5	2	7	-	-	-	22	3	25
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													
TOTAL	**3**	**51**	**10**	**61**	**14**	**2**	**16**	**-**	**-**	**-**	**65**	**12**	**77**

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	2	45	-	45	8	-	8	-	-	-	53	-	53
Resource Conservation Technologies	1	30	1	31	3	-	3	-	-	-	33	1	34
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management	1	21	-	24	4	-	4	-	-	-	25	-	25
Seed production													
Nursery management													
Integrated Crop Management	1	37	-	37	3	-	3	-	-	-	40	-	40
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)	2	46	-	46	10	-	10	-	-	-	56	-	56
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)													
Training and Pruning													
b) Fruits													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
e) Tuber crops													
Production and Management technology													
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													

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
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others, if any													
III. Soil Health and Fertility Management													
Soil fertility management	2	40	1	41	9	-	9	-	-	-	49	1	50
Soil and Water Conservation	1	15	5	20	1	1	2	-	-	-	16	6	22
Integrated Nutrient Management	5	103	7	110	25	2	27	-	-	-	128	9	137
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	3	13	23	36	-	36	36	-	-	-	13	59	72
Poultry Management	1	-	-	-	6	16	22	-	-	-	6	16	22
Piggery Management													
Rabbit Management													
Disease Management	2	30	6	36	5	-	5	-	-	-	35	6	41
Feed management	3	66	2	68	6	3	9	-	-	-	72	5	77
Production of quality animal products													
Others, if any Goat farming													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	1	-	20	20	-	5	5	-	-	-	-	25	25
Design and development of low/minimum cost diet	1	-	-	-	-	30	30	-	-	-	-	30	30
Designing and development for high nutrient efficiency diet	2	6	27	33	-	12	12	-	-	-	6	39	45
Minimization of nutrient loss in processing	1	-	20	20	-	-	-	-	-	-	-	20	20
Gender mainstreaming through SHGs	2	3	22	25	2	6	8	-	-	-	5	28	33
Storage loss minimization techniques	1	33	-	33	5	-	5	-	-	-	38	-	38
Enterprise development													
Value addition	5	9	102	111	-	12	12	-	-	-	9	114	123
Income generation activities for empowerment of rural Women	3	31	58	89	2	9	11	-	-	-	33	67	100
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care	2	-	18	18	2	19	21	-	-	-	2	37	39
Others, if any	1	-	24	24	-	4	4	-	-	-	-	28	28
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	202	7	209	38	3	41	-	-	-	240	10	250
Integrated Disease Management	3	69	-	69	10	-	10	-	-	-	79	-	79
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any	3	52	-	52	16	-	16	-	-	-	68	-	68

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
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													
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	**59**	**851**	**343**	**1194**	**135**	**157**	**312**	**-**	**-**	**-**	**1006**	**500**	**1506**

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													

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
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	1	-	42	42	-	3	3	-	-	-	-	45	45
Production of quality animal products													
Dairying													
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	**1**	**-**	**42**	**42**	**-**	**3**	**3**	**-**	**-**	**-**	**-**	**45**	**45**

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	2	279	33	312	40	11	51	-	-	-	319	44	363
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													

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
Gender mainstreaming through SHGs													
Crop intensification													
TOTAL	**2**	**279**	**33**	**312**	**40**	**11**	**51**	**-**	**-**	**-**	**319**	**44**	**363**

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	2	45	-	45	8	-	8	-	-	-	53	-	53
Resource Conservation Technologies	2	49	1	50	9	-	9	-	-	-	58	1	59
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management	1	21	-	21	4	-	4	-	-	-	25	-	25
Seed production													
Nursery management	1	23	-	23	2	-	2	-	-	-	25	-	25
Integrated Crop Management	1	37	-	37	3	-	3	-	-	-	40	-	40
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)	4	83	4	87	18	-	18	-	-	-	101	4	105
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													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Processing and value addition													
Others, if any													
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	2	40	1	41	9	-	9	-	-	-	49	1	50
Soil and Water Conservation	1	15	5	20	1	1	2	-	-	-	16	6	22
Integrated Nutrient Management	5	103	7	110	25	2	27	-	-	-	126	9	137
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	5	51	27	78	4	36	40	-	-	-	55	63	118
Poultry Management	1	-	-	-	6	16	22	-	-	-	6	16	22
Piggery Management													
Rabbit Management													
Disease Management	4	52	9	61	5	25	30	-	-	-	57	34	91
Feed management	4	84	2	86	12	5	17	-	-	-	96	7	103
Production of quality animal products													
Others, if any Goat farming													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	1	-	20	20	-	5	5	-	-	-	-	25	25
Design and development of low/minimum cost diet	1	-	-	-	-	30	30	-	-	-	-	30	30
Designing and development for high nutrient efficiency diet	2	6	27	33	-	12	12	-	-	-	6	39	45
Minimization of nutrient loss in processing	1	-	20	20	-	-	-	-	-	-	-	20	20
Gender mainstreaming through SHGs	2	3	22	25	2	6	8	-	-	-	5	28	33
Storage loss minimization techniques	1	33	-	33	5	-	5	-	-	-	38	-	38
Enterprise development	1	16	6	22	4	-	4	-	-	-	20	6	26
Value addition	6	9	102	111	-	36	36	-	-	-	9	138	147
Income generation activities for empowerment of rural Women	3	31	58	89	2	9	11	-	-	-	33	67	100
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care	3	-	26	26	2	36	38	-	-	-	2	62	64
Others, if any	1	-	24	24	-	4	4	-	-	-	-	28	28
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													

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
machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others, if any													
VII. Plant Protection													
Integrated Pest Management	11	121	8	129	39	3	42	-	-	-	260	11	271
Integrated Disease Management	5	109	-	109	18	2	20	-	-	-	127	2	129
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any	4	75	-	75	19	-	19	-	-	-	94	-	94
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													
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	**75**	**1006**	**369**	**1375**	**197**	**228**	**425**	**-**	**-**	**-**	**1203**	**597**	**1800**

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	16	3	19	1	-	1	-	-	-	17	3	20
Bee-keeping	1	35	1	36	3	-	3	-	-	-	38	1	39
Integrated farming													
Seed production	1	30	-	30	-	-	-	-	-	-	30	-	30
Production of organic inputs													
Integrated Farming													
Planting material production													
Vermi-culture	1	15	-	15	1	4	5	-	-	-	16	4	20
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	-	42	42	-	3	3	-	-	-	-	45	45
Production of quality animal products													
Dairying	1	24	2	26	1	1	2	-	-	-	25	3	28
Sheep and goat rearing	1	23	2	25	4	-	4	-	-	-	27	2	29
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	1	-	23	23	-	3	3	-	-	-	-	26	26
Enterprise development													
TOTAL	**8**	**143**	**73**	**216**	**10**	**11**	**21**	**-**	**-**	**-**	**153**	**84**	**237**

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	3	294	37	331	47	11	58	-	-	-	341	48	389
Integrated Pest Management	1	19	5	24	2	-	2	-	-	-	21	5	26
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	1	17	1	18	5	2	7	-	-	-	22	3	25
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	**5**	**330**	**43**	**373**	**54**	**13**	**67**	**-**	**-**	**-**	**384**	**56**	**440**

Please furnish the details of training programmes as Annexure in the Performa 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								
02-05-14	PF	Fertilizer and water management in summer Moong	1	OFF	25	-	25	4	-	4
10-05-14	PF	Integrated soil and water management for crop production	1	OFF	16	6	22	1	1	2
9/10-6-14	PF	Importance of green manure crops for sustainable production	2	ON	25	-	25	6	-	6
14-06-14	PF	Production technique of direct seeded rice	1	OFF	33	1	34	3	-	3
16-6-14 to 21-6-14	RY	Seed production technique of paddy	6	ON	30	-	30	-	-	-
09/10-07-14	PF	Method of nursery raising in transplanted rice through paddy transplanter	2	ON	25	-	25	2	-	2
18-07-14	PF	INM in paddy	1	OFF	22	3	25	2	-	2
23-07-14	PF	INM in paddy	1	OFF	26	-	26	10	-	10
14/15-07-14	EF	Role of agronomic practices in IPM	2	OFF	40	-	40	3	-	3
20-07-14	EF	Seed production technique	1	OFF	282	43	325	37	11	48
21/22-07-14	EF	Production technique of kharif crops	2	OFF	37	1	38	3	-	3
19-08-14	PF	Irrigation and fertilizer management in kharif crops	1	OFF	22	1	23	5	-	5
20-08-14	PF	Irrigation and fertilizer management in kharif	1	OFF	27	-	27	4	-	4
25-08-14	PF	Weed management in paddy	1	OFF	26	-	26	6	-	6
02-09-14	PF	Weed management in paddy	1	OFF	27	-	27	2	-	2
05-09-14	PF	Nutrient management in maize	1	OFF	22	2	24	4	1	5
10-10-14	PF	Importance of bio-fertilizer for sustainable crop production	1	OFF	30	-	30	4	-	4
16-10-14	PF	Production technique of toria (oilseeds)	1	OFF	30	-	30	8	-	8
24-10-14	PF	Package of production for lentil crop	1	ON	21	2	23	6	-	6
21/22-10-14	EF	Improved practices of rabi crop production	2	ON	22	4	26	7	-	7
03-11-14	PF	Role of Rhizobium culture in pulse production	1	OFF	28	4	32	5	1	6
05-11-14	PF	Package of production for mustard crop	1	ON	24	2	26	2	-	2
19-12-14	PF	Production technique for late sown wheat	1	OFF	26	-	26	2	-	2
		Total	**33**		**866**	**69**	**935**	**126**	**14**	**140**
		Plant Protection								
02-05-14	PF	Safe grain storage of cereals and pulses	1	OFF	23	-	23	3	-	3
14-05-14	PF	Pest and pesticides management	1	OFF	28	-	28	4	-	4
05-0614	PF	IPM in paddy	1	OFF	16	-	16	2	-	2
06-06-14	PF	IPM in kharif maize	1	OFF	23	-	23	3	-	3
16/17-06-14	PF	Techniques in seed treatment in SRI paddy	2	ON	26	-	26	3	-	3
24-06-14 to 30-6-14	RY	Beekeeping “a beneficial entrepreneurship “	6	ON	38	1	39	3	-	3
18-07-14	PF	IPM in bhindi	1	OFF	23	-	23	5	-	5
23-07-14	PF	IPM in brinjal	1	OFF	27	-	27	2	-	2
14/15-07-14	EF	IPM in rice	2	OFF	40	-	40	3	-	3
21/22-07-14	PF	IPM in rice special reference to bio-control	2	OFF	37	1	38	3	-	3
19-08-14	PF	IDM of sheath blight in paddy	1	OFF	27	-	27	8	-	8
21/22-08-14	PF	IPM in paddy	2	ON	20	1	21	1	-	1
01-09-14	PF	Management of yellow stem borer in paddy	1	ON	23	2	25	-	2	2
02-09-14	PF	Management of BPH/WBPH in paddy	1	OFF	25	-	25	-	-	-
10-10-14	PF	Importance of seed treatment in wheat	1	OFF	27	-	27	6	-	6
03-11-14	PF	Seed treatment by Rhizobium in pulse crop	1	OFF	18	-	18	7	-	7
05-11-14	PF	IPM in cole crop	1	OFF	21	-	21	7	-	7
19/20-11-14	PF	Management of wilt complex in checkpea	2	ON	25	-	25	8	-	8
28-11-14	PF	IPM in rabi vegetables	1	OFF	18	1	19	7	-	7
24-12-14	PF	Management of late blight potato	1	OFF	27	-	27	2	-	2
03-12-14 to 9-12-14	RY	Vermi composting low cost more profit	6	ON	16	4	20	1	4	5
11/12-12-14	EF	Role of indigenous technical knowledge in pest management	2	ON	21	5	26	2	-	2
03-01-15	PF	IPM in oilseed crop	1	OFF	7	8	15	2	3	5
		Total	**39**		**556**	**23**	**579**	**82**	**9**	**91**

		Home Science								
12-05-14	PF	Home-scale methods of safe grain storage	1	OFF	38	-	38	5	-	5
15-05-14	PF	Women SHG formation & function	1	OFF	5	12	17	2	1	3
03-06-14	PF	Low-cost nutritive food available in rural areas	1	OFF	-	30	30	-	30	30
04-06-14	PF	Prevention of nutrient loss during cooking process	1	OFF	-	20	20	-	-	-
18-06-14	PF	Kitchen gardening and human health	1	OFF	-	25	25	-	5	5
26-06-14 to 2-7-14	RY	Rural art-Embroidery	6	ON	-	26	26	-	3	3
17-07-14	PF	Balance diet for children and women	1	OFF	6	20	26	-	8	8
21/22-7-14	PF	Importance of nutrients and their deficiency symptoms	2	ON	-	25	25	-	17	17
22-08-14	PF	Women SHG formation and function	1	OFF	-	16	16	-	5	5
25-08-14	PF	Value addition of fruits and vegetables available in rural areas	1	OFF	1	20	21	-	2	2
09-09-14	PF	Mushroom production	1	OFF	11	15	26	-	2	2
09-10-14	PF	Preservation & processing of seasonal fruits	1	OFF	-	26	26	-	4	4
16-10-14 to 22-10-14	RY	Mushroom production	6	ON	17	3	20	1	-	1
03-11-14	PF	Balance diet for women and children	1	OFF	-	19	19	-	4	4
10/11-11-14	PF	Mushroom production	2	ON	20	6	26	4	-	4
12-11-14	PF	Mushroom production technique	1	OFF	22	29	51	2	4	6
13/14-11-14	PF	Preparation of Amla	2	OFF	-	32	32	-	2	2
24-11-14	PF	Value addition of tomato	1	OFF	8	14	22	-	4	4
8/9-12-14	PF	Value addition of potato & tomato	2	ON	-	24	24	-	24	24
11-12-14	PF	Value addition of potato	1	OFF	-	22	22	-	-	-
13-12-14	PF	Mushroom production	1	OFF	-	23	23	-	3	3
15/16-12-14	PF	Care of neonates/children in winter	1	OFF	2	17	19	2	17	19
10-03-15	PF	Importance of nutrients & their deficiency symptoms	1	OFF	-	20	20	-	2	2
12-03-15	PF	Adulteration in common foods	1	OFF	-	28	28	-	4	4
21-03-15 to 27-03-15	RY	Fruit & vegetables preservation	6	OFF	-	45	45	-	3	3
		Total	**44**		**130**	**517**	**647**	**16**	**144**	**160**
		Live stock Production and Management								
06-05-14	PF	Feed management and calculation of feed in cattle	1	OFF	23	1	24	1	-	1
27-05-14	PF	Management and control of HS & BQ in cattle	1	OFF	14	1	15	1	-	1
28-05-14	PF	Management of dairy cattle in summer	1	OFF	-	16	16	-	16	16
03-06-14	PF	Backyard poultry farming	1	OFF	6	16	22	6	16	22
18/19-6-14	PF	Feeding management in goat	2	ON	24	2	26	6	2	8
17-07-14	PF	Scientific dairy farming	1	OFF	13	17	30	-	-	-
25-08-14	PF	Cause of infertility and their management in cattle	1	OFF	21	5	26	4	-	4
03-09-04	PF	Fodder production round the year	1	OFF	22	4	26	4	3	7
16-10-14	PF	Fodder production round the year	1	OFF	27	-	27	1	-	1
8-10-14 to 14-10-14	RY	Entrepreneurship development in goat farming	6	ON	27	2	29	4	-	4
18-11-14	PF	Management of dairy cattle in winter	1	OFF	-	26	26	-	20	20
21/22-11-14	PM	Methods of hygienic milk production in cattle	2	ON	25	-	25	4	-	4
24-11-14 to 29-11-14	RY	Entrepreneurship development in dairy farming	6	ON	25	3	28	1	1	2
4/5-12-14	PF	Schedule and methods of vaccination in cattle	2	ON	22	4	26	-	1	1
8/9-12-14	PF	Management of common disease in cattle	2	ON	-	24	24	-	24	24
15/16-12-14	EF	Backyard poultry farming	2	ON	22	3	25	5	2	7
03-01-15	PF	Management of milch cattle	1	ON	17	4	21	-	-	-
		Total	**32**		**271**	**124**	**395**	**37**	**69**	**122**

(D) Vocational training programmes for Rural Youth

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	

*training title should specify the major technology /skill transferred

(E) Sponsored Training Programmes

SN	Title	Thematic area	Month	Duration (days)	Client	No. of courses	No. of Participants									Sponsoring Agency
					PF/RY/EF		Male			Female			Total			
							Others	SC	ST	Others	SC	ST	Others	SC	ST	Total	
1.	Integrated water shade management 25.4.14	Soil & water conservation	Apr	1	PF	2	40	7	-	2	1	-	42	8	-	50	Dept. of soil conservation, Gaya
2.	Sri Sanskriti Maha Abhiyan 23.5.14 to 29.5.14		May	7	PF/EF	24			-			-			-	4000	DAO/ATMA
3.	Sri Abhiyan workshop 18.5.14		May	1	PF/EF				-			-			-	mass	DAO/ATMA
4.	Pest & pesticide management 14.5.14	IPM	May	1	PF	1	24	4	-			-	24	4	-	28	Khitiz Agro. Pvt. Ltd.
5.	Production technique of draught tolerant paddy 23/24.6.14		June	2	PF/EF	2	27	6	-	1	1	-	28	7	-	35	IRRI-NFSM
6.	Different techniques of paddy production 25.6.14		June	1	PF/EF	1	250	35	-	25	20	-	255	55	-	310	DAO/ATMA
7.	Soil testing 10.6.14		June	1	PF	1	55	5	-	-	-	-	55	5	-	60	IFFCO
8.	Dairy management 18.6.14		June	1	PF	1	27	22	-	4	17	-	31	39	-	70	Dept. of soil conservation, Gaya
9.	Fodder production round the year 23.6.14		June	1	PF	1	27	6	-	1	1	-	28	7	-	35	IRRI-NFSM
10.	Methods of SRI transplanting 2.7.14		July	1	PF	5	-	-	-	150	350	-	150	350	-	500	DAO/ATMA
11.	Contingent crop plan training cum visit 25.7.14 to 2.8.14		July		PF/EF	12	310	80	-	20	30	-	330	110	-	440	DAO/ATMA
12.	Training & visit programme for extension functionaries 14.7.14 & 22.7.14		July	2	EF				-			-			-	50	DAO/ATMA
13.	SRI-Abhiyan 21.7.14 to 25.7.14		July		PF/EF				-			-	500		-	500	DAO/ATMA
14.	Estimated drought& suggesting alternate crop plan 7/8.8.14		Aug	2	PF/EF	2	70	60	-	20	28	-	90	88	-	178	ICAR, Patna
15.	Food grain storage 3/4.9.14	IPM	Sept	2	PF	4	41	3	-	1	-	-	42	3	-	45	CWC, Patna
16.	Principle of organic farming 29/30.9.14		Sept	2	PF	4			-			-	20		-	20	Regional centre of organic farming, Bhubneshwar
17.	Rabi Mahotsav cum Kisan jagrukta abhiyan 15.10.14		Oct	4	PF/EF				-			-	335		-	335	DAO/ATMA
18.	IPM in pulses and oilseeds 16.10.14		Oct		PF		20	15	-	10	7	-	30	22	-	52	DAO/ATMA

19.	Protection & production tool of rabi crop 17.10.14		Oct	2	PF		25	15	-	15	10	-	40	25	-	65	IFFCO
20.	Crop cutting 11.10.14		Oct		PF				-			-			-		DAO/ATMA
21.	Rabi mahotsav 7.11.14		Nov	2	PF/EF	4	120	30	-	10	8	-	130	38	-	168	DAO/ATMA
22.	Pest management in Rabi Crops 20.11.14		Nov	1	PF				-			-			-	240	DAO/ATMA
23.	Multi crop planter demo 20.11.14		Nov	1	PF				-			-			-	30	PRAN, Gaya
24.	Krishi Yantrikaran Mela 20.11.14		Nov		PF/EF				-			-	Mass		-	Mass	DAO/ATMA
25.	Adhyaksh training 06.12.14		Dec	2	PF	2	29	7	-			-	29	7	-	36	IFFCO, Gaya
26.	Management of insect pest in sugarcane 18.12.14	IPM	Dec	2	PF		34	16	-	2		-	36	16	-	52	Cane Development Dept., Gaya
27.	Management of insect pest in sugarcane 20.12.14	IPM	Dec	2	PF		32	18	-	1	-	-	33	18	-	51	Cane Development Dept., Gaya
28.	Lecture delivered in Saras Mela 06.12.14	Women Empo.	Dec		PF				-			-	Mass		-	Mass	BAMETI
29.	Production technique of late sown wheat 6.1.15	CP	Jan	1	PF		44	8	-	2	-	-	46	8	-	54	SCADA, Khagaul, Patna
30.	Integrated weed management in pulses 13.1.15	CP	Jan	1	PF		42	12	-	-	2	-	42	14	-	56	SCADA, Khagaul, Patna
31.	Fertilizer & irrigation management in whet 27.1.15	CP	Jan	1	PF		45	7	-	-	2	-	45	9	-	54	SCADA, Khagaul, Patna
32.	Krishi Yantrikaran Mela 10/11.1.15		Jan	1	PF											Mass	DAO/ATMA
33.	Vermi-compost		Feb	1	PF				-			-			-	50	DAO/ATMA
34.	IFS		Feb	1	PF				-			-			-	50	IFFCO, Gaya
35.	Sugarcane		Feb	1	PF				-			-			-	50	Cane Dept., Gaya
36.	Feed management in goatry		Feb	1	PF				-			-			-	50	Cane Dept., Gaya
37.	Wilt disease in lentil		Feb	1	PF				-			-			-	26	ATMA, Palamu, Jharkhand
38.	Disease management in animals		Feb	1	PF				-			-			-	26	ATMA, Palamu, Jharkhand
39.	Sugarcane production technique		Feb	1	PF				-			-			-	51	Cane Dept., Gaya
40.	Fruit & vegetables preservation		Feb	1	PF				-			-			-	36	IFFCO, Gaya
41.	Fertilizer & irrigation management in oilseed		Feb	1	PF				-			-			-	37	DAO/ATMA
42.	Vermi compost		Feb	1	PF				-			-			-	50	DAO/ATMA
43.	Fruit & vegetables preservation 21.3.15 to 27.03.15		Mar	7	RY		-	-	-	42	3	-	42	3	-	45	NYK, Gaya
44.	Pig farming 23.3.15		Mar	1	PF		5	20	-	-	-	-	5	20	-	25	Forest Dept., Gaya
45.	Vermi compost 24/25.3.15		Mar	2	PF		28	72	-	-	-	-	28	72	-	100	Forest Dept., Gaya
46.	Production techniques for summer moong & dhaincha 27.3.15		Mar	1	PF		115	22	-	5	8	-	120	30	-	150	DAO/ATMA

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	5	185	22	207	2	13	15	187	35	222
Kisan Mela	3									mass
Kisan Chaupal	30	1339	330	1669	30	7	37	1369	337	1706
Exhibition										
Film Show										
Method Demonstrations										
Seminar	4									mass
Workshop										
Group meetings										
Lectures delivered as resource persons	150									mass
Advisory Services	1102									1102
Scientific visit to farmers field	459									847
Farmers visit to KVK	1160									1160
Diagnostic visits	5									36
Exposure visits	1									30
Ex-trainees Sammelan										
Soil health Camp	1									60
Animal Health Camp										
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									103
Any Other (Specify)										

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	81									mass
Radio talks	5									mass
TV talks	1									mass
Popular articles										
Extension Literature	2									mass
Voice Message										
KMAS	**161**									**2,65,118**

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
Paddy	R. Shweta	29.80	89400.00	100
	Sahbhagi	34.30	82320.00	120
Dhaincha	Local	3.28	11847.00	2
Lentil	Arun	13.9	104250.00	25
Wheat	HD 2985	26.89	77387.00	70
Moong		4.71	37680.00	14
Grand Total		**112.88**	**402884.00**	**331**

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				
Banana				
Others				
Ornamental plants				
Medicinal and Aromatic				
Plantation				
Spices				
Turmeric				
Tuber				
Elephant yams				
Fodder crop saplings				
Forest Species				
Others, pl.specify				
Total				

Production of Bio-Products

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 2014-Mar 15) of KVK, Manpur, Gaya 2. Monthly report – 12 3. Quarterly report (Apr 14- Mar 15) – 4 4. Action Plan(April 15- March 16) 5. Extension Council meeting report-2 6. Review meeting report-4 7. SAC Meeting report 2014 8. P M O/CCC/RFD Report on skill development 12 9. Technology week report - 1 10. Training Calendar - 4 11. Kisan Chaupal report - 1 12. Success story of innovative farmers-3 13. Kisan Samachar – Quartarly 14. IFS Model for Gaya district 15. Kharif contingent crop plan 2014 16. KVK ATMA convergence 17. Journey of KVK 18. Significant achievement of KVK			
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.	Double entry system	Mr. P. K. Thakur Assistant	12-14 Jun 2014	BAU Sabour
2.	National seminar on quality honey bee production	Dr. Ranjeet Kumar SMS(Ento.)	5-6 Aug 2014	BAU Sabour
3.	Entrepreneurship development	Dr. A. K. Ravi SMS (Vet. Sci.)	7-8 Sep 2014	BAU Sabour
4.	Future commodity marketing	Dr. A. K. Ravi SMS (Vet. Sci.)	2 Dec 2014	BAU Sabour
5.	National seminar on rural youth in family farming	Dr. S. Chaurasia P.C. Dr. N. Sinha SMS(H. Sci.)	18-19 Dec 2014	BAU Sabour
6.	Special training in field of agriculture marketing and allied fields	Dr. N. Sinha SMS(H. Sci.) Dr. G. Kumar SMS(Agro.) Dr. A. K. Ravi SMS (Vet. Sci.)	12-13 Feb 2015	BVC Patna

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

1. 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 anyhow. 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.

2. Chittaranjan Kumar

Sri Chittaranjan Kumar of Marachi village of Pariya block, Gaya started his work as bee keeper under the guidance of other farmers. In the year 2005 he started his own business with 15 boxes having annual income of Rs. 25000/-. Later on he got training from KVK and started his migratory bee keeping with adding 30 more boxes with the help of District Horticulture Department and 45 boxes from Khadi Gramodyog. At present he is producing honey from 340 boxes and earning Rs. 3.75 lacs per annum. He has launched his product in market by the trade name of "**Surabhi Madhu**". His family status now became changed and he is maintaining various life insurance policies for his future security. His children are getting education from convent school of Gaya. This landless farmer achievement identified him one in thousand as role model. He also inspires unemployed rural youth by employing them in the process of honey production.

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

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
16-03-15	Crop Production	44	35	10	89
17-03-15	Horticulture	76	24	7	107
18-03-15	Live Stock Development	51	43	7	101
19-03-15	Women Empowerment	20	80	7	107
20-03-15	Entrepreneurship Development	61	40	7	108
Total		**252**	**222**	**38**	**512**

3.14. RAWE programme - is KVK involved? **NA**

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
14-09-2015	Dr. S. Ayyappan, DG, ICAR, New Delhi	KVK Visit
	Dr. M. L. Choudhary, VC, BAU, Sabour	KVK Visit
	Dr. R. K. Sohane, DOEE, BAU, Sabour	KVK Visit
26-09-2015	Dr. U. S. Jaiswal, ADEE, BAU Sabour	SAC Meeting
	Dr. K. S. Das, Sr. Scientist, ZPD Unit, Kolkata	SAC Meeting
11-11-2015	Dr. A. Rahman, Pr. Scientist, ICAR, Patna	Field visit
	Dr. Abdul Harrish, Agronomist, ICAR, Patna	Field visit
	Dr. P. C. Chandran, Scientist, ICAR, Patna	Field 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		50-55%	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		27%	4000	5000
Value- addition of fruits & vegetable		15%	2000	3500
Women empowerment and income generation through Mushroom production		50%	500	3000
Zero tillage		35%	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,
- 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 mushroom production through supply of spawn
- Popularization of zero tillage technique for wheat Production.
- Popularization of eco-friendly and safe insecticide i.e., Fipronil, Indoxacarb Emamectin Benzoate.

4.4 Details of innovations recorded by the KVK **NA**

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	Bee keeping
Name & complete address of the entrepreneur	Chittaranjan Kumar, Paraiya
Intervention of KVK with quantitative data support:	Training
Time line of the entrepreneurship development	10 Years
Technical Components of the Enterprise	Honey
Status of entrepreneur before and after the enterprise	Before Rs. 25000/- and after 3.75 lacs per annum
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	At present he is producing honey from 340 boxes and earning Rs. 3.75 lacs per annum. He has launched his product in market by the trade name of "**Surabhi Madhu**".
Horizontal spread of enterprise	20 farmers

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, Kisan Mela
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. CWC, Patna	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. PRAN 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.
18. NABARD	Training,
19. NYK, Gaya	Training
20. Jeevika, Gaya	Training, OFT, Field visit

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.)

Name of the programme/scheme	Purpose of programme	Date/ Month of initiation	Funding agency	Amount (Rs.)
Technology week cum Kisan gosthi	Technology week	16-21 March 2015	ATMA	Conveyance, launch packet, pen, pad, folder etc.

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 13	Apr 14	3.5	HD 2985/ DBW 14	F/S / C/S	68.85	83000.00	127000.00	
Moong	Apr 14	June 14	1.0	PDM 139	T/L	5.10	9500.00	38000.00	
Lentil	Nov 13	Mar 14	1.0	Arun	F/S	15.25	8000.00	104000.00	
Dhaincha	Jun 14	Nov 14	1.0	Local	T/L	4.6	2500.00	-	In store
Paddy	Jul 14	Nov 14	2.0	Sahbhagi	F/S	87.0	32000.00	-	
Paddy	Jun 14	Nov 14	1.5	R. Shweta	F/S	49.90	25000.00	-	In godown
Moong	Mar 15	-	1.0	PDM 139	T/L	-	-	-	In field

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.	Guava orchard	-	-	2500/-	Sold on committee basis

6.4 Performance of instructional farm (livestock and fisheries production) **NA**

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.							

6.5 Utilization of hostel facilities **NA**

Accommodation available (No. of beds) : 25 bed

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
Saving(Main A/c)	Punjab National Bank	Dhamitola, Gaya	0179000100225627
Saving(R/F A/c)	Punjab National Bank	Dhamitola, Gaya	0179000100225636

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

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)* ***NA***

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)* ***NA***

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 2014 -15 (Not audited)

S. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	5742000.00	5742000.00	5742000.00
2	Traveling allowances	50000.00	50000.00	50000.00
3	HRD	15000.00	15000.00	15000.00
4	Contingencies	450000.00	450000.00	450000.00
TOTAL (A)		**6257000.00**	**6257000.00**	**6257000.00**
B. Non-Recurring Contingencies				
1				
2				
3				
4				
TOTAL (B)		0.00	0.00	0.00
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)		**6257000.00**	**6257000.00**	**6257000.00**

7.6. Status of revolving fund (Rs.) 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)
2012-13	145596.85	277607.00	163541.00	259662.85
2013-14	259662.85	313559.00	239620.00	333601.85
2014-15	333601.85	562552.00	271504.00	624649.85

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.

7.7 Details of marketing channels created for the SHGs

7.8. Special programme on Food and Nutrition :

7.9. Community Radio Station :

7.10. **Joint activity carried out with line departments and ATMA**: As mentioned in sponsored programme

Name of activity	**Season**	**With line department**	**With ATMA**	**Both**

8. Other information

8.1. Prevalent diseases in Livestock/Crops **NA**

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	
Fruit & vegetables preservation	21-03-15	27-03-15	0	45	KVK involved as resource person

8.3. PPV & FR Sensitization training Programme **NA**

Date of organizing the programme	Resource Person	No. of participants	Registration (crop wise)	
			Name of crop	No. of registration

8.4. KMAS /SMS Portal **NA**

KISAN MOBILE ADVISORY SERVICE

No. of calls	No. of farmers covered	No. of messages	Types of messages (No.)					
			Crop	Livestock	Weather	Marketing	Awareness	Other

8.5. SMS PORTAL

Date of start of functioning of SMS portal: 05.08.2013

No. of messages	No. of calls	No. of farmers covered	Types of messages (No.)					
			Crop	Livestock	Weather	Marketing	Awareness	Other
161		2,65,118	116	15	2	0	13	15

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

Title of Programme	Date	No. of participants

8.7. a. Utilization of HRD fund (Rs 0.15 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.)

b. HRD fund utilized for other purposes

Head	Amount (Rs.)
HRD	15000.00

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)** **NA**

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) **NA**

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) 2014-15
(**Applicable for KVKs identified under NICRA)** **NA**

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)** **NA**

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
1.	Kisan Samman	Suryadeo Narayan Singh	2015	Potato Research Institute, Patna	-	Fruit Preservation
2.	Kisan Samman	Ramdeep Singh	2015	BAU, Sabour	-	IFS