PROFORMA FOR ANNUAL REPORT 2021 (1st January- 31st December 2021)

1. GENERAL INFORMATION ABOUT THE KVK

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

Name and address of KVK	Telephone		E-Mail
	Office	FAX	
Krishi Vigyan Kendra, Bhagwanpur Hat, Siwan			head.kvk.siwan@rpcau.ac.in

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

Name and address of Host Organization	Telephone		E mail
	Office	FAX	
Dr. Rajendra Prasad Central Agricultural University, Pusa, Bihar	06274-240226	06274-240255	vc@rpcau.ac.in

1.3. Name of Senior Scientist and Head with phone & mobile No.

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Anuradha Ranjan Kumari		9455269129, 7752828740	head.kvk.siwan@rpcau.ac.in

1.4. Year of sanction of KVK: 2004

1.5. Staff Position (**as on 31st December 2021**)

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.	Senior Scientist& Head	Dr. Anuradha Ranjan Kumari	Senior Scientist &Head	Home Science	131400 131400-204700	16.07.2019	Permanent	Others
2.	Subject Matter Specialist	Dr. R. K. Mandal	SMS	Plant Breeding	15600-39100 (36320)	10.07.2014	Permanent	ST
3.	Subject Matter Specialist	Dr. Barun	SMS	Horticulture	15600-39100 (29960)	18.06.2015	Permanent	BC
4.	Subject Matter Specialist	Dr. S.K. Mandal	SMS	Plant Protection	15600-39100 (29960)	29.01.2018	Permanent	BC
5.	Subject Matter Specialist	Er. K.B.Chhetri	SMS	Agril. Engg. (Post-Harvest Technology)	56100 56100-177500	01.02.2019	Permanent	Others
6.	Subject Matter Specialist	Vacant	-	-	-	-	-	-
7.	Subject Matter Specialist	Vacant	-	-	-	-	-	-
8.	Programme Assistant	Vacant	-	-	-	-	-	-
9.	Computer Programmer	Vacant	-	-	-	-	-	-
10.	Farm Manager	Vacant	-	-	-	-	-	-
11.	Accountant / Superintendent	Sri Abhishek Kumar	Assistant	B. Tech. (ECE)	35400-112400 (39900)	23.11.2017	Permanent	Others
12.	Stenographer	Sri Harsh Kumar	Stenographer	B.A. (Economics)	25000-81000 (28700)	21.02.2018	Permanent	Others
13.	Driver	Sri Suman Kumar	Jeep Driver	B.A (History)	21700-69100 (21700)	27.02.2021	Permanent	SC
14.	Driver	Sri Raj Kishor Paswan	Tractor Driver	10th	21700-69100 (21700)	27.02.2021	Permanent	SC
15.	Supporting staff	Sri Abhishek Kumar	Skilled Supporting Staff	B.A Economics	18000-56900 (18000)	01.03.2021	Permanent	OBC
16.	Supporting staff	Sri Pushpendra Kumar Pal	Skilled Supporting Staff	B.A History	18000-56900 (18000)	27.02.2021	Permanent	OBC

1.6. Total land with KVK (in ha):

S. No.	Item	Area (ha)
1	Under Buildings	2.0
2.	Under Demonstration Units	1.5
3.	Under Crops	12.0
4.	Orchard/Agro-forestry	4.5
5.	Others with details	-
	Total	**20.00 ha**

Total area should be matched with breakup

1.7. Infrastructure Development:

A) Buildings and others

S. No.	Name of infrastructure	Not yet started	Completed up to plinth level	Completed up to lintel level	Completed up to roof level	Totally completed	Plinth area (sq.m)	Under use or not*	Source of funding
1.	Administrative Building					Completed		Use	ICAR
2.	Farmers Hostel					Completed			ICAR
3.	Staff Quarters (6)					Only three (3) Quarter Completed		Use	ICAR
4.	Piggery unit	-	-	-	-	-	-	-	Nil
5	Fencing					Completed			ICAR
6	Rain Water harvesting structure	-	-	-	-	-	-	-	Nil
7	Threshing floor					Yes		Use	ICAR &RKVY
8	Farm godown					Yes		Use	ICAR& RKVY
9.	Dairy unit	-	-	-	-	-	-	-	Nil
10.	Poultry unit	-	-	-	-	-	-	-	Nil
11.	Goatary unit	-	-	-	-	-	-	-	Nil
12.	Mushroom Lab	-	-	-	-	-	-	-	Nil
13.	Mushroom production unit	-	-	-	-	-	-	-	Nil
14.	Shade house					Yes		Use	MMHM
15.	Net house					Yes		Use	MMHM
16	Soil test Lab								
17	Solar tree					Yes	-	Use	University
18	Drip irrigation					Yes	-	Use	
19	Others,Please Specify								

* 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 Jeep	2004-05	440525.95	375385.00	Not good condition
Motor cycle (BR29Y9760)	2016-17	57000.00	8,316.00	Good condition
Motor cycle (BR29Y9761)	2016-17	57000.00	3,477.00	Good condition

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
MSTL (Mobile soil Test lab except bus price)	2018	42,48,489	Good condition	Bihar Govt.
b. Farm machinery				
Tractor (Massey Fergusson)	2004 -05	3,34,500	Bad	ICAR
Tractor (John Deere 55HP)	2019-20	6,12,036	Good condition	ICAR
Tractor(Massey Fergusson)	2019-20	4,82,076	Good condition	ICAR
Tractor (John Deere 55HP) CRA	2020-21	6,71,580.31	Good condition	Bihar Govt.
c. AV Aids				
LCD Multi Media Projector	2010	75,819	Bad	ICAR
LCD Multi Media Projector	2019	79,049	Good	ICAR
Digital camera	2009	24,880	Bad	ICAR
Digital camera	2010	12,990	Bad	ICAR
Digital camera	2015	13,900	Bad	ICAR

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
Rotavater	2010	-	Working	
Dal Mill	2011	-	Not Working	
Maize Sheller	2012	-	Not -Working	
Disc	2004-05,2012	-	Not working	
Leveler	2010	-	Working	
Winnower	2010	-	Working	
M.B. Plough	2010	25,500.00	Not Working	
Hydraulic Trailer	2010	82,000.00	Working	
H.F. 1A Disc Harrow	2010	25,000.00	Working	
M.F. Cultivator 9 Tyre	2010	12,100.00	Working	
Cage Wheel	2010	5,900.00	Working	
Zero-till machine	2009-10	-	Not working	
Mobile processing plant	2010-11	9,81,760.00	Not working	
Tractor operated laser land leveler	2020	2,91,200.00	Working	ICAR
Zero till seed cum fertilizer	2020	43,120.00	Working	ICAR
Rotavater	2020	114917.00	Working	ICAR
Happy seeder	2020	158747.00	Working	ICAR
Multi crop thresher	2020	128800.00	Working	ICAR
Potato planter	2020	97500.00	Working	ICAR
Power Weeder	2020	47600.00	Working	ICAR
Hydraulic disc	2020	84000.00	Working	ICAR
Ripper cum binder	2020	520000.00	Working	ICAR
Potato digger	2020	117500.00	Working	ICAR
Rice transplanter	2020	222800.00	Working	ICAR
Mini Dal Mil	2020	94500.00	Working	ICAR

Boom sprayer	2020	160499.00	Working	ICAR
Happy Seeder	2021	155098.00	Working	Bihar Govt.
Multi crop planter- 02	2021	99799.00	Working	Bihar Govt.
Riper cum binder	2021	342000.00	Working	Bihar Govt.
Tractor operated laser land leveler	2021	248000.00	Working	Bihar Govt.
Tractor Trailer	2021	143400.00	Working	Bihar Govt.
Cultivator	2021	29430.00	Working	Bihar Govt.
Disk plow	2021	94657.00	Working	Bihar Govt.
Tractor Drawn leveler	2021	18000.00	Working	Bihar Govt.
Dhan Machine Theser with 1HP Motor	2021	11800.00	Working	ICAR

1.8. Details SAC meeting* conducted in the year

Sl.No.	Date	Number of Participants	Salient Recommendations	Action taken	If not conducted, state reason
1.	16.9.2021	40	1. Joint Director of Agriculture, Saran told the need to promote green manuring and organic farming. 2. Director Extension Education suggested to conduct FLD on Elephant Foot Yam. 3. District Agriculture Officer has suggested to establish Models of Nutri- Garden, Azolla production unit, Pali House, Net House and vermicompost at Krishi Vigyan Kendra. 4. District Horticulture Officer developed mushroom unit and bee unit in Krishi Vigyan Kendra He stressed on doing so and urged to give continuous training to the farmers. 5. The Sub-Divisional Agriculture Officer has emphasized to develop the model of micro-irrigation system (Dripping System) under Krishi Vigyan Kendra. 6. C.E.O, Farmer Face has suggested to promote custom hiring among the farmer. 7. C.E.O, Farmer's Face advised to conduct training on Integrated Nutrient Management 8. Field Manager IFFCO has told to popularize Nano Fertilizer (Nano Urea, Bio fertilizer) among farmers 9. Mr. Ashok Singh, a progressive farmer has suggested to promote the faming of Mosabi and red banana cultivation . 10. Sri Dharampal Singh suggested to popularize cultivation of medicinal plants like Japanese Mint and Mentha. 11. Sri Shiv Prasad Sahni, a progressive farmer advised to promote sunflower cultivation and fish farming in Siwan District. 12. Mrs. Sunaina Devi an women farmer (Jeevika) told to organized employed oriented training to Jeevika Didi for women empowerment. 13. Sri Shivji Thakur, Farmer, Vinoba Bhave Kirshak Hit Samuh has requested to make available the high yielding variety seedling and plants to farmers.		

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

Proceeding of 12th SAC Meeting

Meeting of 12th SAC of KVK, Bhagwanpur Hat, Siwan was organized under chairmanship of Dr. M.S. Kundu, DEE, Dr. RPCAU, Pusa at training hall of KVK, on 16.09.2021. Following members, Scientists and Officers of line departments have participated in this meeting.

List of Participants

Sl No.	NAME	Designation
1.	Dr. M. S. Kundu,	DEE. Dr. RPCAU, Pusa
2.	Sri Ajay Kumar Singh,	Joint Director Agricultural, Saran
3.	Sri Jayram Pal	District Agriculture Officer, Siwan
4.	Sri Amardweep Kumar	Chief Manager, IFFCO, Siwan
5.	Mr. Abhijit Kumar	DHO, Siwan
6.	Sri Shatrughan Sahu	Sub-Divisional Agriculture Officer, Siwan
7.	Sri Rajesh Kumar Singh	District Industries Officer, Siwan
8.	Sri Vishwanath Gupta	Assistant Statistical Office JDA, Saran
9.	Sri Rakesh Kumar Neeraj	District Project Management Jeevika, Siwan
10.	Sri Navneet Goswami	Block Horticulture Officer, Bhagwanpur Hat, Siwan
11.	Mr. Raman Kumar,	Fisheries Officer
12.	Mr. Mohan Murari Singh	Chief Executive Officer, (Farmer Face)
13.	Shri Hareram Prasad	DDM NABARD, Siwan
14.	Mohd Sofin Ahmed	Fisheries Officer
15.	Sri Vikas Kumar	Milk Cooling Centre, Siwan
16.	Sri Ghanshyam Thakur	M.C.C., Siwan
17.	Sri Narendra Kumar	CDM, Siwan
18.	Sri Vinay Kumar	Block Agriculture Officer, Bhagwanpur Hat, Siwan
19.	Sri Ranjan K. Chaurasia	Assistant Cane Development Officer
20.	Sri Balinder Kumar Yadav	Agriculture Assistant, Parivartan, Narendrapur
21.	Sri Vivek Kumar	Agricultural Facilitator Parivartan Narendrapur
22.	Sri Dharampal Singh	Atmiya Herbal Industries Chainpur Mubarakpur Siswan, Siwan
23.	Sri Shivji Thakur	Farmer, Vinoba Bhave Krishak Hit Samuh
24.	Mr. Surendra Singh	Farmers Advisory Committee Chairman, ATMA, Bhagwanpur Hat, Siwan

25.	Sri Vivek Kushwaha,,	Facilitory
26	Sri Ashok Kumar Singh,	Progressive Farmer
27.	Smt. Sunina Devi,	Women Farmer (Zeevika)
28.	Smt. Devanti Devi,	Progressive women farmer
29.	Sri Vijendra Singh,	Metha Farmer, Parouli
30.	Sri Shiv Prasad Sahani,	Progressive Farmer
31.	Sri Suresh Prasad,	Progressive Farmer
32.	Sri Lalana Kumar,	Correspondent, Dainik Jagran
33.	Sri Ram Darshan Pandit,	Correspondent, Prabhat Khabar
34.	Sri Nilmani Kumar,	Correspondent, Dainik Bhaskar
35.	Dr. Raj Kumar Mandal,	SMS, (Plant Breeding)
36.	Dr. Barun,	SMS, (Horticulture)
37.	Dr. S.K. Mandal,	SMS, (Plant Protection)
38.	Er. K.B. Chhetri,	SMS, (Agri. Engg.)
39.	Sri Shivam Chaubey,	SRF, (CRA)
40.	Dr. A.R. Kumari,	SS&H, (Siwan)

After the welcome of Hon'ble Director and Other dignitaries Dr. Anuradha Ranjan Kumari, Senior Scientist & Head, KVK, Bhagwanpur Hat, Siwan has presented the ATR of Processing of 11th SAC Meeting. The house passed it unanimously. Director Extension Education has critically observed the works done by KVK, during March 2021 to August 2021 and approved the action plan of KVK from September 2021 to march 2022. All the members have positively discussed on present and future agricultural aspects, consequently following suggestion came out.

1. Joint Director of Agriculture, Saran told the need to promote green manuring and organic farming.

2. Director Extension Education suggested to conduct FLD on Elephant Foot Yam.

3. District Agriculture Officer has suggested to establish Models of Nutri- Garden, Azolla production unit, Pali House, Net House and vermicompost at Krishi Vigyan Kendra.

4. District Horticulture Officer developed mushroom unit and bee unit in Krishi Vigyan Kendra He stressed on doing so and urged to give continuous training to the farmers.

5. The Sub-Divisional Agriculture Officer has emphasized to develop the model of micro-irrigation system (Dripping System) under Krishi Vigyan Kendra.

6. C.E.O, Farmer Face has suggested to promote custom hiring among the farmer.

7. C.E.O, Farmer's Face advised to conduct training on Integrated Nutrient Management

8. Field Manager IFFCO has told to popularize Nano Fertilizer (Nano Urea, Bio fertilizer) among farmers

9. Mr. Ashok Singh, a progressive farmer has suggested to promote the faming of Mosabi and red banana cultivation .

10. Sri Dharampal Singh suggested to popularize cultivation of medicinal plants like Japanese Mint and Mentha.

11. Sri Shiv Prasad Sahni, a progressive farmer advised to promote sunflower cultivation and fish farming in Siwan District.

12. Mrs. Sunaina Devi an women farmer (Jeevika) told to organized employed oriented training to Jeevika Didi for women empowerment.

13. Sri Shivji Thakur, Farmer, Vinoba Bhave Kirshak Hit Samuh has requested to make available the high yielding variety seedling and plants to farmers.

At last Dr. Barun has expressed his gratefulness to DEE, ADEE, Scientists, Farmers and members of SAC.

2.a. District level data on agriculture, livestock and farming situation (2021)

<table>
<tr><th>Sl. No.</th><th>Items</th><th>Information</th></tr>
<tr><td>1</td><td>Major Farming system/enterprise</td><td>Crop production + Animal Husbandry,Production+ Mushroom, sugarcane + Animal Husbandry,cropproduction+Vegetable Production</td></tr>
<tr><td>2</td><td>Agro-climatic Zone</td><td>Middle Gangetic Plain Region (IV) [Planning Commission]
North West Alluvial Plain Zone (BI-1) [NARP]</td></tr>
<tr><td>3</td><td>Agro ecological situation</td><td>Guthani,Mairwa,Nautan,Andar,Jeeradei,Barharia,Maharajganj,Goriakothi,Lakarinabiganj,Punchrukhi,Siwansadar,Basantpur,Daraundha,Hasanpura,</td></tr>
<tr><td>4</td><td>Soil type</td><td>Sandy Loam, Saline Soil, Alkaline Soil</td></tr>
<tr><td>5</td><td>Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others</td><td>
<table>
<tr><th>Name of crop</th><th>Production (‘000 t)</th><th>Productivity (kg/ha)</th></tr>
<tr><td>Rice</td><td>151.3</td><td>1663</td></tr>
<tr><td>Maize</td><td>43.45</td><td>2448</td></tr>
<tr><td>Wheat</td><td>276.42</td><td>3050</td></tr>
<tr><td>Pulses</td><td>3.56</td><td>948</td></tr>
</table>
</td></tr>
<tr><td>6</td><td>Mean yearly temperature, rainfall, humidity of the district</td><td>
<table>
<tr><th>Month</th><th>Year</th></tr>
<tr><td>Record high °C</td><td>47.0</td></tr>
<tr><td>Average high °C</td><td>33.13</td></tr>
<tr><td>Daily mean °C</td><td>30.17</td></tr>
<tr><td>Average low °C</td><td>24.15</td></tr>
</table>
</td></tr>
</table>

		Record low °C: 11.0
		Average precipitation mm: 25.06
		Average precipitation days (≥ 1.0 mm): 2.14
		Average relative humidity (%): 50.19
		Mean monthly sunshine hours: 10.78
7	Production of major livestock products like milk, egg, meat etc.	

Live stock	**Number**	**Live stock**	**Number**
Plough Animals	158185	Goat	196187
Cattle	232800	Pigs	11602
Cross bred	23994	Crossbred	1003
Indigenous	208806	Hens	47592
Buffaloes	401625	Desi	38823
Sheep	10489	Improved	218686
Cross bred	2571	Ducks	2060
Indigenous	7918	Turkey and others	312471

Note: Please give recent data only

2.b. Details of operational area / villages (2021)

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.	Siwan	Bhagwanpur Hat	Chorauli	Paddy Red gram	Low Productivity Traditional Variety	Promotion for improving production of major cropping pattern for Siwan district. Promotion of IPM and INM package.
2.	Siwan	Basnatpur	Kumkumpur	Wheat Paddy	Low Productivity Traditional Variety	Promotion for improving production of major cropping pattern for Siwan district. Promotion of IPM and INM package.

3.	Siwan	Goriyakothi	Saidpura	Red gram	Pest and Disease	Promotion of IPM and INM package.
4.	Siwan	Lakrinaviganj	Bhopatpur Bala	Paddy	Low Productivity Traditional Variety	Promotion for improving production of major cropping pattern for Siwan district. Promotion of IPM and INM package.
5.	Siwan	Barhariya	Malik Tola	Paddy Wheat	Low Productivity Traditional Variety	Promotion for improving production of major cropping pattern for Siwan district. Promotion of IPM and INM package.
6.	Siwan	Goriyakothi	Kaladumra	Paddy, wheat, Mustard & Rapeseed , Maize, Pigeon pea, Moong bean	Low Productivity Traditional Variety Low use of RCTs	Promotion for improving production of major cropping pattern for Siwan district. Promotion of IPM and INM package. RCTs like DSR, Zero tillage , mechanization etc.
7	Siwan	Barharia	Hariharpur Lalgarh	Paddy, Wheat, Mustard & Rapeseed , Maize, Pigeon pea, Moong bean	Low Productivity Traditional Variety Low use of RCTs	Promotion for improving production of major cropping pattern for Siwan district. Promotion of IPM and INM package. RCTs like DSR, Zero tillage , mechanization etc.
8	Siwan	Daraundha	Ramgadha	Paddy, wheat, Mustard & Rapeseed , Maize, Pigeon pea, Moong bean	Low Productivity Traditional Variety Low use of RCTs	Promotion for improving production of major cropping pattern for Siwan district. Promotion of IPM and INM package. RCTs like DSR, Zero tillage , mechanization etc.

9	Siwan	Maharajganj	Sikatia	Paddy, wheat, Mustard & Rapeseed , Maize, Pigeon pea, Moong bean	Low Productivity Traditional Variety Low use of RCTs	Promotion for improving production of major cropping pattern for Siwan district. Promotion of IPM and INM package. RCTs like DSR, Zero tillage , mechanization etc.
10	Siwan	Ziradei	Ziradei	Mustard & Rapeseed, Lentil, Field pea, Gram	Irrigation , quality seed , low productivity	Diversification of crops, formation of FPO, Providing assured community irrigation

2. c. Details of village adoption programme:

Name of the villages adopted by Sr. Scientist & Head and SMS (in year 2021) for its development and action plan

Name of village	Block	Action taken for development
Chorauli	Bhagwanpur hat	Training, Scientists visit to farmers fields, OFT,FLD, Cluster FLD, Exposure visit to Kisan Mela Pusa, Field day
Malik Tola	Barhariya	
Saipura	Goriyakothi	
Kumkumpur	Basantpur	
Bhopatpur Bhartiya	Lakrinabiganj	
Kala Dumra	Goreyakothi	
Saidpura	Goreya kothi	
Ganpaliya	Darauli	
Mirjumla	Bhagwanpur hat	
Barka Gaon	Bhagwanpur hat	
Sikatia	Maharajganj	
Ramgadha	Daraundha	

2.1 Priority thrust areas

S. No	Thrust area
1.	Emphasis on reclamation of saline and alkaline soil.
2.	Extension of climate resilient technologies like zero tillage, raised bed planting, RCT and direct seeded rice (DSR).
3.	Promotion for improving production of major cropping pattern for Siwan district.

4.	Empowerment and strengthening of rural farm women / Youth through income generating activity.
5.	Improving production capacity of milch animals.
6.	Self-employment generation through agricultural enterprises.
7.	Promotion of IPM and INM package.
8.	Promotion of Medicinal & aromatic plant.
9.	Promotion of high density orchard.
10.	Emphasis on farm mechanization and value addition
11.	Promotion of organic farming

3. TECHNICAL ACHIEVEMENTS

3.A. Summary details of target and achievement of mandatory activities by KVK during the year 2021

OFT												FLD										
No. of technologies tested:												No. of technologies demonstrated:										
Number of OFTs		Number of farmers										Number of FLDs		Number of farmers								
Target	Achievement	Target	Achievement									Target	Achievement	Target	Achievement							
			SC		ST		Others		Total						SC		ST		Others		Total		
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
8	10	88	10	0	0	0	78	0	88	0	88	18	21	1612	52	47	0	0	1569	5	1621	52	1673

Training											Extension activities										
Number of Courses		Number of Participants									Number of activities		Number of participants								
Target	Achievement	Target	Achievement								Target	Achievement	Target	Achievement							
			SC		ST		Others		Total					SC		ST		Others		Total	
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
136	148	3400	447	172		0	2873	826	3286	1213	4517	12000	17574	30000	2752	2415	0	0	26372	9855	29124	12270	48846

Impact of capacity building	Impact of Extension activities

Number of Participants trained		Number of Trainees got employment (self/ wage/ entrepreneur/ engaged as skilled manpower)									Number of Participants attended		Number of participants got employment (self/ wage/ entrepreneur/ engaged as skilled manpower)								
Target	Achievement	SC		ST		Others		Total			Target	Achievement	SC		ST		Others		Total		
		M	F	M	F	M	F	M	F	T			M	F	M	F	M	F	M	F	T
1000	1180	7	8	-	-	48	8	55	16	71	12000	17574	2	2	0	0	14	2	16	4	20

Seed production (q)		Planting material (in Lakh)	
Target	Achievement	Target	Achievement
500	560.5	0.025	0.0517

Livestock strains and fish fingerlings produced (in lakh)*		Soil, water, plant, manures samples tested (in lakh)	
Target	Achievement	Target	Achievement
-	-	-	25

* Give no. only in case of fish fingerlings

Publication by KVKs							
Item	Number	No. circulated	No. of Research papers in NAAS rated Journals	Highest NAAS rating of any publication	Average NAAS rating of the publications	Details of awarded publication, if any	Details of Award given to the publication
Research paper	2	Many	4.29	4.29	4.29	-	-
Seminar/conference/ symposia papers	3	Many	-	-	-	-	-
Books	2	Many	-	-	-	-	-
Bulletins	1	Many	-	-	-	-	-
News letter	4	Many	-	-	-	-	-
Popular Articles	5	Many	-	-	-	-	-
Book Chapter	2	Many	-	-	-	-	-
Extension Pamphlets/ literature	6	1250	-	-	-	-	-
Technical reports	4	-	-	-	-	-	-
Electronic Publication (CD/DVD etc)		-	-	-	-	-	-
TOTAL	**38**	**1250**	-	-	-	**-**	**-**

3.1.1 Achievements on technologies assessed and refined

OFT-1

Plant Breeding

1.	Title of On farm Trial	Management for higher productivity of Maize
2.	Problem diagnosed	Low productivity of Maize due to use of local seed and improper plant spacing
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	F.P- Farmers' seed + closer spacing of 30cmx15cm T.O-I – Farmer's seed + Proper spacing @60cmx25xm T.O-II- Improved seed + proper spacing @ 60cmx25xm
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	SAU
5.	Production system and thematic area	Crop Production
6.	Performance of the Technology with performance indicators	Plant height (cm), Yield (q/ha), net return Plant Population (m^2), cop/plant length of cob (cm) B:C ratio,
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

Thematic area:

Problem definition:

Technology assessed:

Table:

Technology option	No. of trials	Yield component			Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of effective tillers/hill	No. of spikelet per panicle	Test wt. (100 grain wt.)						
FP:-	10									
T1:-										
T2:-										

Results: OFT in Progress

OFT-2

1.	Title of On farm Trial	Integrated nutrient management in wheat
2.	Problem diagnosed	Low Productivity in wheat due to imbalance fertilizer application.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	P.F- Farmer's variety + farmer's dose of Nutrients NPK 40:20:20 kg/ha T.O-I- Farmer's Practice + PSB@2gm/kg of seed T.O.-II- PSB@2gm/kg of seed + recommended dose fo nutrient NPK 80:40:20 kg /ha
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	SAu
5.	Production system and thematic area	Irrigated, crop0 Production
6.	Performance of the Technology with performance indicators	Plant hight (CM), Yield q/ha, Net return, P;ant Population (M^2) B:C ration, Grains per ear head.
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

Thematic area:

Problem definition:

Technology assessed:

Table:

Technology option	No. of trials	Yield component			Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of effective tillers/hill	No. of spikelet per panicle	Test wt. (100 grain wt.)						
FP:-										
T1:-	10									
T2:-										

Results: OFT in Progress

Horticulture

OFT-1

1.	Title of On farm Trial	Increasing income of farmer by intercropping in fallow mango orchard
2.	Problem diagnosed	Maximum farmers take only fruits and their orchards remain fallow throughout the whole year leading to low income
3	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	(a)F.P.- Fallow (b)T.O-1- Intercropping of turmeric (R-Sonali) (c)T.O-2- Intercropping of ginger (Local)
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	Dr. RPCAU,Pusa, Samastipur
5.	Production system and thematic area	Kharif irrigated , Management of orchard

6.	Performance of the Technology with performance indicators	Yield (Q/ha), Economics BC ratio
7.	Final recommendation for micro level situation	Intercropping of turmeric and ginger provided more income as compared to fallow orchard. Maximum yield (312 q/ha) was obtained from turmeric but maximum gross income (Rs. 6, 44,000.00) and BC ratio (3.19) was calculated from inter cropping of ginger.
8.	Constraints identified and feedback for research	Orchards are not well managed and well-spaced so inter cultural operations becomes difficult. Training, pruning and canopy management should be recommended for old and dense orchard.
9.	Process of farmers participation and their reaction	Farmers participated actively and their approach was very positive.

Thematic area: Production and management technology

Problem definition: Maximum farmers take only fruits and their orchards remain fallow throughout the whole year leading to low income

Table:

Technology option	No. of trials	Yield component			Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of effective tillers/hill	No. of spikelet per panicle	Test wt. (100 grain wt.)						
Treatments										
F.P.- Fallow	10	-	-	-	-	72	50210	144000	93790	2.87
T.O-1- Intercropping of turmeric (R-Sonali)		-	-	-	-	312	150000+50210 =200210	468000+144000 =612000	411790	3.06
T.O-2- Intercropping of ginger (Local)		-	-	-	-	125	151500+50210 =201710	500000+144000 =644000	442290	3.19

Results: Intercropping of turmeric and ginger provided more income as compared to fallow orchard. Maximum yield (312 q/ha) was obtained from turmeric but maximum gross income (Rs. 6, 44,000.00) and BC ratio (3.19) was calculated from inter cropping of ginger.

OFT-2

1.	Title of On farm Trial	Rejuvenation of old and unproductive orchard
2.	Problem diagnosed	Old and senile mango plants flower less and consequently yield becomes meagre
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP:- Canopy management T1:-Rejuvenation at 1.5m during Dec. and trunk Pasting with Bordeaux paste T2:- Rejuvenation as per frame with application of Copper Oxychloride paste
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	CISH, Lucknow
5.	Production system and thematic area	Rejuvenation of old orchard
6.	Performance of the Technology with performance indicators	• Emergence of new shoots from headed back branches • Shoot development after six months • Days to initiation of flowering • Number of fruits per plants • Av. Fruit weight (g.) • Fruit yield (t./ha) • B:C
7.	Final recommendation for micro level situation	OFT is in progress
8.	Constraints identified and feedback for research	People hesitate to cut their plants but become ready when persuaded
9.	Process of farmers participation and their reaction	

Thematic area: Rejuvenation of old orchard

Problem definition: Old and senile mango plants flower less and consequently yield becomes meagre

Technology assessed:

Table:

Technology option	No. of trials	Yield component			Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of effective tillers/hill	No. of spikelet per panicle	Test wt. (100 grain wt.)						
FP:-	10									
T1:-										
T2:-										

Results: OFT is in progress

OFT-3

1.	Title of On farm Trial	Effect of Paclobutrazol on flowering and yield characteristics of mango in Siwan
2.	Problem diagnosed	Alternate bearing mango bear fruits in irregular way so they yield very low

3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP:- No use of Paclobutrazol T1:- Paclobutrazol @1.0g a.i./metre effective canopy (20-30g/plant) in soil. T2:- Paclobutrazol @1.5g a.i./metre effective canopy (30-45g/plant) in soil.
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	AICRP on fruits, Bengaluru
5.	Production system and thematic area	Management of orchard
6.	Performance of the Technology with performance indicators	Fruit retention % , No. of fruit/Plants, Av. Fruit weight (g), Fruit yield (t./ha) TSS, BC ratio
7.	Final recommendation for micro level situation	OFT is in progress
8.	Constraints identified and feedback for research	People are very eager to take fruits regularly. They have shown their keen interest to conduct this OFT.
9.	Process of farmers participation and their reaction	

Thematic area: Management of orchard

Problem definition:

Technology assessed:

Table:

Technology option	No. of trials	Yield component			Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of effective tillers/hill	No. of spikelet per panicle	Test wt. (100 grain wt.)						
	10									

Results: **OFT is in progress**

OFT-4

1.	Title of On farm Trial	Bagging of litchi fruit branches through non-woven polypropylene bags for reducing the fruit burn and cracking.
2.	Problem diagnosed	Litchi fruits are prone to sun burn and cracking fetching low return
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP: No bagging TO_1: Bagging with NWPB (Pink) after 25 days of fruits set TO2: Bagging with NWPB (White) after 25 days of fruits set
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	NRC, Litchi, Muzaffarpur, Bihar
5.	Production system and thematic area	Management of Orchard
6.	Performance of the Technology with performance indicators	Fruit wt. in gram, Pulp %, Fruit cracking %, Fruit borer infestation, Yield (q./ha), Cost of cultivation (Rs.), Gross return (Rs.) , Net return , BC ratio
7.	Final recommendation for micro level situation	TO- 02 (Bagging with NWPB, White) proved better in wt. of the fruit, pulp %, yield, gross return, net return and BC ratio with respect to FP (No bagging) and TO-1 (Bagging with NWPB with Pink) . TO- 02 also reduced fruit cracking % and fruit borer infestation .
8.	Constraints identified and feedback for research	People are very eager to take fruits regularly. They have shown their keen interest to conduct this OFT.
9.	Process of farmers participation and their reaction	

Thematic area: Management of orchard

Problem definition:

Technology assessed:

Table:

Technology option	No. of trials	**Fruit wt. in gram**	**Pulp %**	**Fruit cracking %**	**Fruit borer infestation**	Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
F.P.-NO BAGGING	8	19.80	55.0	25.0	10.3		**71**	**53400**	**142000**	**88600**	**2.65**
T.O-1- BAGGING WITH NWPB(PINK) AFTER 25 DAYS OF FRUITS SET		20.12	56.1	8.2	9.2		**79**	**58400**	**158000**	**99600**	**2.70**
T.O-2- BAGGING WITH NWPB(WHITE) AFTER 25 DAYS OF FRUITS SET		20.20	58.5	06.1	8.4		**80.5**	**58400**	**161000**	**102600**	**2.76**
SEM (+-)		0.09	0.69	0.08	2.93		0.55				
CD (0.05)		0.39	0.34	0.37	1.00		0.97				
CV(%)		1.43	1.47	4.70	4.57		1.54				

Results: TO- 02 (Bagging with NWPB, White) proved better in wt. of the fruit, pulp %, yield, gross return, net return and BC ratio with respect to FP (No bagging) and TO-1 (Bagging with NWPB with Pink) . TO- 02 also reduced fruit cracking % and fruit borer infestation .

Plant Protection

OFT-1

1.	Title of On farm Trial	Management of diamond back moth in cauliflower
2.	Problem diagnosed	Diamond back month is the major constraints to yield and quality of cauliflower Quality of cauliflower
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP: Spraying of Chlorpyriphos 20 EC @500ml/ha at 15 days interval when the pest appeared in the field. To-i: Spraying of Indoxacarb 14.5 SC @500ml/ha at 15 days interval when the pest appeared in the field. To-ii: Spraying of Novaluron 10 EC @500ml/ha at 15 days interval when the pest appeared in the field.
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	IIVR, Varanasi
5.	Production system and thematic area	IPM
6.	Performance of the Technology with performance indicators	Well
7.	Final recommendation for micro level situation	Spraying of Indoxacarb 14.5 SC @500ml/ha at 15 days interval proved to be the most effective treatment for managing infestation of Diamond back moth (1.86 Lavae/Plant) ultimately produced higher yield (148.76 q./ha) with maximum benefit cost ration of 2.12.
8.	Constraints identified and feedback for research	Selection of suitable insecticide with recommended dose ant its timely application when DBM appeared in the field
9.	Process of farmers participation and their reaction	Farmer participated eagerly and reacted positively

Thematic area: IPM

Problem definition: Diamond back month is the major constraints to yield and quality of cauliflower Quality of cauliflower

Technology assessed:

Table:

Technology option	No. of trials	Yield component			Disease/ insect pest incidence (%) Larvae/Plant	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of effective tillers/hill	No. of spikelet per panicle	Test wt. (100 grain wt.)						
F.P.	10				3.94(2.11)	108.34	71824	108340	36516	1.51
T.O.-i					1.86(1.54)	148.76	70317	148760	78443	2.12
T.O.-ii					2.21(1.65)	130.52	69964	130520	61556	1.89
SEM ±					0.114	5.287	_	_	_	_
CD (P=0.5)					0.342	15.864	_	_	_	_
					.					

Results: All the treatment were significantly superior over farmer practice. Among the treatment, Spraying of Indoxacarb 14.5 SC @500ml/ha at 15 days interval proved to be the most effective treatment for managing infestation of Diamond back moth (1.86 Lavae/Plant) ultimately produced higher yield (148.76 q./ha) with maximum benefit cost ration of 2.12 with respect to farmers particle.

OFT-2

1.	Title of On farm Trial	Effect of insecticide against pod borer in Pigeon pea
2.	Problem diagnosed	Pod borer is the major constraints in reducing yield
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	F.P:- Spraying of monocrtophos 36SL@500ml/ha T.O.-I:- Two spraying of Spinosad 45 SC@125ml/ha at flowering initiation and pod formation stage. T.O.-II:-Two spraying of Chlorantraniliprole 18.5 SC@150ml/ha at

		flowering initiation and pod formation stage. T.O.-III:- Two spraying of Novaluran 10 EC@500ml/ha at flowering initiation and pod formation stage.
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	Dr. RPCAU, Pusa
5.	Production system and thematic area	IPM
6.	Performance of the Technology with performance indicators	Well
7.	Final recommendation for micro level situation	spraying of Chlorantraniliprole 18.5 SC@150ml/ha at flowering initiation and pod formation stage should effective treatment for the managing the incidence on flower damage 12.76% and green pod damge 15.16% which gave higher yield (15.78 q./ha) with maximum BC ration 3.62.
8.	Constraints identified and feedback for research	Selective insecticides with recommended dose were applied in the proper time when pod borer incidence appeared in the field
9.	Process of farmers participation and their reaction	The farmer were selected after training programme and they were participated curiously and reacted positively.

Thematic area: IPM

Problem definition: Pod borer is the major constraints in reducing yield

Technology assessed:

Table:

Technology option	No. of trials	Yield component			Disease/ insect pest incidence (%)		Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of effective tillers/hill	No. of spikelet per panicle	Test wt. (100 grain wt.)	Flower damage	Green pod damage					

F.P:-	10				23.25 (28.86)	27.18 (31.44)	8.16	26824	48960	22136	1.83
T.O.-I					16.50 (23.97)	18.55 (25.48)	13.21	24918	79260	54342	3.18
T.O.-II					12.76 (20.96)	15.16 (22.87)	15.78	26132	94680	68548	3.62
T.O.-III					18.47 (24.48)	21.46 (27.63)	11.52	25165	69120	43964	2.75
SEM ±					0.914	0.773	1.084	_	_	_	_
CD (P=0.5)					2.742	2.316	3.256	_	_	_	_

Results: The result revealed that all the treatments were significantly superior over the farmer practice. Among them spraying of Chlorantraniliprole 18.5 SC@150ml/ha at flowering initiation and pod formation stage should effective treatment for the managing the incidence on flower damage 12.76% and green pod damge 15.16% which gave higher yield (15.78 q./ha) with maximum BC ration 3.62.

Agricultural Engineering

OFT : 1

1	Title of On Farm Trial	Effect of different packaging materials on the shelf life of Button mushroom	
2	Problem Diagnose	• Highly perishable • Enzymatic browning • Oxidative deterioration	
3	Details of Technologies selected for assessment/refinement (Mention either Assessed or Refined)	Effect of different packaging materials on the shelf life of oyster mushroom	
		T_1 -Technology option I	LDPE films with perforation
		T_2 -Technology option II	Use of Plastic punnets with PVC film
		T_3 -Technology option III	Use of Plastic punnets (HIPS) with PVC film and oxygen scavenger
		T_4 -Technology option IV	Use of Plastic punnets (PVC) material with PVC film and oxygen scavenger
4	Source of Technology	Dr. Y. S. Parmar University of Horticulture & Forestry, Solan, HP, India	
5	Replication	5	
6	Production System & Thematic Area	Food processing and preservation	
7	Performance of Technology with performance indicator	Data will be recorded • Weight • Colour analysis • Shelf-life • Sensory evaluation	
8	Constraints identified and feedback for research	Farmers are complaining about shelf life of the mushroom. They are taking their product to the market and within few days product quality was not acceptable.	
9	Process of farmers participation and their reaction	Face to face interaction with farmers.	

Thematic area: Food processing and preservation

Problem definition: Highly perishable, enzymatic browning, Oxidative deterioration

Technology assessed:

Table:

Treatments	**Sensory evaluation(Out of 10 point scale)**		**Weight loss after 3 days of ambient storage (in %)**
	Shape	**Colour**	
T_1- LDPE films with perforation	2.9±0.34	2.8±0.25	20.50±0.15
T_2 -Use of plastic punnets with PVC film	5.2±0.53	5.6±0.46	18.20±0.25
T_3- Use of plastic punnets (HIPS) with PVC film and oxygen scavenger.	6.6±0.58	6.8±0.52	14.60±0.35
T_4- Use of plastic punnets (PVC) with PVC film and oxygen scavenger	5.8±0.64	6.2±0.56	15.25±0.42

Results: All technology options performed better than farmer practice (T_1). T_3 has lowest weight loss as well as best sensory evaluation score. Overall T_3 performed better than others.

OFT : 2

1	Title of On Farm Trial	Assessment of improved weeding implements for weeding in gram.
2	Problem Diagnose	Low efficiency and high drudgery of farm labour during conventional weeding in gram.
3	Details of Technologies selected for assessment/refinement (Mention either Assessed or Refined) Assessed	T_1 -Technology option I **:** Khurpi
		T_2 -Technology option II **:** Three tyne Grubber
		T_3 -Technology option III **:** Three tyne wheel hand hoe
4	Source of Technology	• DRPCAU, Pusa • Central Institute of Agricultural Engineering (CIAE-Bhopal)
5	Replication	5
6	Production System & Thematic Area	Rainfed and Drudgery reduction
7	Performance of Technology with performance indicator	• Field capacity (ha/h) • Weeding efficiency (%) • Weeding cost
8	Constraints identified and feedback for research	Weeding cost is very high. Unavailability of labour & machine.
9	Process of farmers participation and their reaction	Face to face interaction with farmers.

Thematic area: Rainfed and Drudgery reduction

Problem definition: Low efficiency and high drudgery of farm labour during conventional weeding in gram.

Technology assessed:

Table:

Treatments	**Field capacity (ha/h)**	**Weeding Efficiency (%)**	**Weeding cost (in Rs.)**
T_1-Farmer Practices(Khurpi)	0.002±0.26	95±0.21	14175.00
T_2 -3-tyne Grubber	0.004±0.65	68±0.82	6975.00
T_3-3-tyne Wheel hand hoe	0.006±1.15	72±1.20	4500.00

RESULTS: The weeding efficiency of khurpi was observed (95%) and 3-tyne wheel hand hoe (72%) and three tyne grubber (68%) respectively. Work output of 3-tyne wheel hand hoe is observed (0.006ha/h), 3-tyne hoe (0.004 ha/h) and the khurpi (0.002 ha/h). 3-tyne Wheel hand hoe was observed to be most economical as far weeding cost required.

Please provide all the OFTs in same format

3.1.2 Technology Assessed by KVK (Discipline wise)

Sl. No.	Discipline	Thematic areas	No. of the technologies (Technology Interventions)	No. of trials	No. of Locations
1.	Plant Breeding	Crop Production	03	10	10
		Irrigated, crop Production	03	10	10
2.	Horticulture	Kharif irrigated , Management of orchard	03	10	10
		Rejuvenation of old orchard	03	10	10
		Management of orchard	03	10	10
		Management of Orchard	03	08	08
3.	Plant Protection	IPM	03	10	10
		IPM	04	10	10
4.	Agricultural Engineering	Food processing and preservation	04	05	05
		Rainfed and Drudgery reduction	03	05	05

3.2 Achievements of Frontline Demonstrations

A. Details of FLDs conducted during the year

Cereals

Sl. No.	Crop	Thematic area	Technology Demonstrated with detailed treatments	Area (ha)		No. of farmers/ demonstration									Reasons for shortfall in achievement
				Proposed	Actual	SC		ST		Others		Total			
						M	F	M	F	M	F	M	F	T	
1.	Wheat	Crop Production	Seed, Bio fertilize, Hd- 2967 quailty seed , Micro-Nutrient	3	3	1	1	0	0	3	0	4	1	5	
2.	Paddy	Crop Production	Seed, Biofertilizer, Rajshree quality seed, micor Nurient	3	3	1	1	1	0	5	1	7	2	9	

Details of farming situation

Sl. No.	Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil (Kg/ha)			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
					N	P_2O_5	K_2O					
1	Wheat	Rabi	Irrigated	Sandy loan	188	62	112	Paddy	November	April	50	5
2	Paddy	Kharif	Irrigated	Sandy loan	190	58	105	Wheat	Wheat	July	700	22

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

B. 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
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
	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	Crop Production	Seed, Bio Fertilizer	5	3	45	35	28			35000	75500	40500	2.15	31000	58800	27800	1.89
Paddy	Crop Production	Seed, Bio Fertilizer	9	3	39	30	3			36000	70200	34200	1.95	29500	54000	24500	1.83
Paddy	IPM	Copper Oxyechloride	25	1	37.25	29.14	27.83	0	0	23916	47493.75	23577.75	1.98	24506	37153.5	12647.5	1.52
Elephant foot yam	Cultivation of vegetables	Seed Gajendra	5	0.125	250	190	31.58			1,15,000	3,75,000	2,60,000	3.26	1,12,000	2,85,000	1,73,000	2.54
PKVY																	
Drumstick	Cultivation of vegetables	Seed, PKM-1 Bio fertilizers , PSB, Azotobactore Rhizobium	150	12	Crop is standing												
Onion	Cultivation of vegetable	Seed, Agri Found Dark Red Bio fertilizers , PSB, Azotobactore Rhizobium	150	1	112					102000	224000	122000	2.19	-	-	-	-
Tomato	Cultivation of vegetable	Seed Kasdi Adarsh Bio fertilizers , PSB, Azotobactore Rhizobium	150	1	195	125	56			92595	292500	199905	3.15	90000	187500	97500	2.08
Tomato	Cultivation of vegetable	Seed Kashi Aman Bio fertilizers , PSB, Azotobactore Rhizobium	150	1	182	125	45.6			92595	273000	180405	2.94	90000	187500	97500	2.08
Brinjal	Cultivation of vegetable	Seed Kashi Taru Bio fertilizers , PSB, Azotobactore Rhizobium	150	1	205	162	26.54			58672	307500	208828	3.11	95496	243000	147504	2.54
Brinjal	Cultivation of vegetable	Seed Kashi Uttam Bio fertilizers , PSB, Azotobactore Rhizobium	150	1	198	162	22.22			58672	297000	198328	3.00	95496	243000	147504	2.54
Chilli	Cultivation of vegetable	Seed Kashi Anmol Bio fertilizers , PSB, Azotobactore Rhizobium	150	1.2	192	142	40.0			110000	288000	178000	2.68	108000	213000	105000	1.97

Boutal gourd	Cultivation of vegetable	Seed Kasi Ganga Bio fertilizers , PSB, Azotobactore Rhizobium	150	1.25	160	110	45.45			45000	160000	115000	3.5	44000	110000	66000	2.5
Sponge gourd	Cultivation of vegetable	Seed VRSG-195 Bio fertilizers , PSB, Azotobactore Rhizobium	150	1.25	142	92	54.34			45000	142000	97000	3.10	44000	92000	48000	2.1
Cow pea	Cultivation of vegetable	Seed, Kufari Kanjan Bio fertilizers , PSB, Azotobactore Rhizobium	150	2	88	69	27.50			60500	176000	114500	2.9	58000	138000	80000	2.37
SC/SP	Potato	Kufri Chipsona	10	0.2	Crop is standing												
		Total	1554	30.025													

Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Dairy																	
Cow																	
Buffalo																	
Poultry																	
Rabbitry																	
Pigerry																	
Sheep and goat																	
Duckery																	
Others (Pl. specify)																	
Total																	

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

** BCR= GROSS RETURN/GROSS COST

Fisheries

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

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

Other enterprises

Category	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.) or Rs./unit				*Economics of check (Rs.) or Rs./unit			
				Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Oyster mushroom	Enterprise development															
Button mushroom	Seed	25		86 kg./q Straw	63 kg./q Straw	36.51	-	-	3482	10320	6338	2.96	4054	7560	3506	1.86
Vermicompost																
Sericulture																
Apiculture																
Others (pl.specify)																
Total		25														

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

Women empowerment

Category	Name of technology	No. of demonstrations	Observations		Remarks
			Demonstration	Check	
Farm Women					
Pregnant women					
Adolescent Girl					
Other women					
Children					
Neonatal					
Infants					

Farm implements and machinery

Name of the implement	Crop	Name of the technology demonstrated	No. of Farmer	Area (ha)	Filed observation (output/man hour)		% change in major parameter	Labor required (man days/ ha)		Cost (Rs./ha)	
					Demonstration	Check		Demonstration	Check	Demonstration	Check
Maize Sheller	Maize	Maize Sheller	50	-	29.52 kg/hr	10.8 kg/hr	173	36	100	7200	20000
Low cost solar dryer	Mushroom	Low cost solar dryer	10	-	16 hrs	20.72 hrs	-29.5	-	-	-	-
Potato Planter	Potato	Potato cultivation by machine	20	4	-	-	-	14 (Excluding machine charges)	83	10000	25000

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

Demonstration details on crop hybrids

Crop	Name of the Hybrid	No. of Farmers	Area (ha)	Yield (kg/ha) / major parameter			Economics (Rs./ha)			
				Demo	Local check	% change	Gross Cost	Gross Return	Net Return	BCR
Cereals										
Bajra										
Maize										

Paddy										
Sorghum										
Wheat										
Others (Pl. specify)										
Total Cereals										
Oilseeds										
Castor										
Mustard										
Safflower										
Sesame										
Sunflower										
Groundnut										
Soybean										
Others (Pl. specify)										
Total Oilseeds										
Pulses										
Greengram										
Blackgram										
Bengalgram										
Redgram										
Others (Pl. specify)										
Total Pulses										
Vegetable crops										
Bottle gourd										
Capsicum										
Cucumber										
Tomato										
Brinjal										
Okra										
Onion										
Potato										
Field bean										
Others (Pl. specify)										
Total Veg. Crops										
Commercial Crops										
Cotton										
Coconut										
Others (Pl. specify)										
Total Commercial Crops										
Fodder crops										
Napier (Fodder)										

Maize (Fodder)										
Sorghum (Fodder)										
Others (Pl. specify)										
Total Fodder Crops										

Technical Feedback on the demonstrated technologies

Sl. 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	28.01.2021,05.02.2021,28.09.2021,05.10.2021,24.10.2021,23.12.2021	12	236	
2.	Farmers Training	20.01.2021, 22.02.2021, 28.05.2021, 29.06.2021, 23.07.2021, 12.09.2021,29.09.2021, 21.10.2021, 26.11.2021,	21	355	
3.	Media coverage		24	-	
4.	Training for extension functionaries		02	35	

Performance of the demonstration under CFLD on Pulse and Oilseed Crops during Kharif and Rabi:

A. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	Yield gap (Kg/ha) w.r.to			Name of Variety + Technology demonstrated	Number of farmers	Area in ha	Yield obtained (q/ha)			Yield gap minimized (%)		
				District yield (D)	State yield (S)	Potential yield (P)				Max.	Min.	Av.	D	S	P
1	Pigeon Pea	Devi Local	9.7		16.67	25-30	Seed, Bio fertilizer, Micro Nutrient Insecticide, Pesticides	28	10	18.00	15.00	16.50			
2	Chick pea	Local	10.50		1147	20-22	Seed, Bio fertilizer, Micro Nutrient Insecticide, Pesticides	40	10	11.00	12.00	10.50			
3	Filed pea	Local	12.50		1041	20-25	Seed, Bio fertilizer, Micro Nutrient Insecticide, Pesticides	57	10	22.00	23.00	22.50			
4	Lentil	Desi	11.50		1147	20-25	Seed, Bio fertilizer, Micro Nutrient Insecticide, Pesticides	45	10	20.00	24.00	22.50			
5	Green gram	Desi	9.00		698	15-18	Seed, Bio fertilizer, Micro Nutrient Insecticide,	72	20	11.00	15.00	14.50			

							Pesticides								
6	Rape seed & Mustard	Desi	8.30		1081	16-18	Seed, Bio fertilizer, Micro Nutrient Insecticide, Pesticides	163	30	9.0	15.54	12.27			
7	Linseed	Desi	7.50		855	12-14	Seed, Bio fertilizer, Micro Nutrient Insecticide, Pesticides	110	20	8.00	13.37	10.57			
8	Soyabean	Desi	8.50		950	20-25	Seed, Bio fertilizer, Micro Nutrient Insecticide, Pesticides	73	20	9.0	15.00	12.00			
9	Sunflower	Desi	9.50		1414	20-25	Seed, Bio fertilizer, Micro Nutrient Insecticide, Pesticides	52	20	1.00	22.00	11.00			

B. Economic parameters

Sl. No.	Variety demonstrated & Technology demonstrated	Farmer's Existing plot				Demonstration plot			
		Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio	Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio
1	Pigeon Pea, Rajendra Arhar-1	49050	53350	12400	1.30	57750	90750	33000	1.57
2	Chick Pea, GNG-1581, RVG-202	41000	52500	11500	1.28	42000	72500	30500	1.72
3	Field Pea- IPFD-11-05	45000	72500	27500	1.61	65000	13500	70000	2.07
4	Lentil, HUL-57	62000	95000	33000	1.53	66000	110000	44000	1.66
5	Green Gram, IPM-2-14	42000	54000	12000	1.28	58000	87000	29000	1.56
6	Rape Seed& Mustard, R-Sulflam	38000	58100	20100	1.52	42000	85890	43890	2.04
7	Linseed, Sukhar, Arad Alsi-2	24000	32000	8000	1.33	26000	43400	17480	1.67
8	Soybean, Js-335	12200	19800	7600	1.62	13500	39000	25500	2.88
9	Sunflower, KBSH-41	11400	21800	10400	1.91	13000	35000	22000	2.69

C. Socio-economic impact parameters

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
1	Pigeon Pea, Rajendra Arhar-1	1650	1585	60.00	35.00	30.	Livelihood, Education and Status	65
2	Chick Pea, GNG-1581, RVG-202	1050	965	55.00	50	35.00	Livelihood, Education and Status	80
3	Field Pea- IPFD-11-05	2250	2080	62.00	70	100.00	Livelihood, Education and Status	70
4	Lentil, HUL-57	2200	1970	65.00	80	150.00	Livelihood, Education and Status	60
5	Green Gram, IPM-2-14	1450	1230	56.00	100	120	Livelihood, Education and Status	70
6	Rape Seed& Mustard, R-Sulflam	1227	1117	70.00	10	100	Livelihood, Education and Status	55
7	Linseed, Sukhar, Arad Alsi-2	1087	567	75.00	20	500	Livelihood, Education and Status	81
8	Soybean, Js-335	1200	650	50	50	500	Livelihood, Education and Status	70

9	Sunflower, KBSH-41	1100	770	50	30	300	Livelihood, Education and Status	50

D. Oilseed Farmers' perception of the intervention demonstrated

Sl. No.	Technologies demonstrated (with name)	Farmers' Perception parameters					
		Suitability to their farming system	Likings (Preference)	Affordability	Any negative effect	Is Technology acceptable to all in the group/village	Suggestions, for change/improvement, if any
1	Pigeon Pea, Rajendra Arhar-1	Very Well	Highly Preferred	Highly	No	Yes Marginal Farmer	More seed, More fund & Technology Agent should be available
2	Chick Pea, GNG-1581, RVG-202	Very Well	Highly Preferred	Highly	No	Yes Marginal Farmer	More seed, More fund & Technology Agent should be available
3	Field Pea-IPFD-11-05	Very Well	Highly Preferred	Highly	No	Yes Marginal Farmer	More seed, More fund & Technology Agent should be available
4	Lentil, HUL-57	Very Well	Highly Preferred	Highly	No	Yes Marginal Farmer	More seed, More fund & Technology Agent should be available
5	Green Gram, IPM-2-14	Very Well	Highly Preferred	Highly	No	Yes Marginal Farmer	More seed, More fund & Technology Agent should be available
6	Rape Seed& Mustard, R-Sulflam	Very Well	Highly Preferred	Highly	No	Yes Marginal Farmer	More seed, More fund & Technology Agent should be available
7	Linseed, Sukhar, Arad Alsi-2	Very Well	Highly Preferred	Highly	No	Yes Marginal Farmer	More seed, More fund & Technology Agent should be available
8	Soybean, Js-335	Very Well	Highly Preferred	Highly	No	Yes Marginal Farmer	More seed, More fund & Technology Agent should be available

9	Sunflower, KBSH-41	Very Well	Highly Preferred	Highly	No	Yes Marginal Farmer	More seed, More fund & Technology Agent should be available

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
HYV,	Well	Very good	Responded positively
IDM	Well	Very good	Responded positively
IPM	Well	Very good	Responded positively
INM	Well	Very good	Responded positively
IPM	Well	Very good	Responded positively

F. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1	Training, field day	06.08.2020	25
2	Training,	29.08.2020	45
3	Training,	09.11.2020	80
4	Training,	11.11.2020	25
5	Training,	02.03.2021	17
6	Training,	26.09.2021	28
7	Training,	13.11.2021	32
8	Training,	19.07.2021	20
9	Training,	26.07.2021	51

G. Sequential good quality photographs (as per crop stages i.e. growth & development)

H. Farmers' training photographs

I. Quality Action Photographs of field visits/field days and technology demonstrated.

J. Details of budget utilization

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
	i) Critical input			
	ii) TA/DA/POL etc. for monitoring			
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total			

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

A) 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													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management													
Seed production	01	33	-	33	02	-	02	-	-	-	35	-	35
Nursery management													
Integrated Crop Management													
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)													
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management	01	42	01	43	-	-	-	-	-	-	42	01	43
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising	01	16	-	16	02	-	02				18	-	16
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)	10	295	111	406	35	26	61	-	-	-	330	137	467
Training and Pruning													
b) Fruits													
Layout and Management of Orchards	01	10	01	11	01	-	01	-	-	-	11	01	12
Cultivation of Fruit	02	73	09	82	04	07	11	-	-	-	77	16	93
Management of young plants/orchards	02	80	35	115	45	66	111	-	-	-	125	101	226
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques	01	16	-	16	02	-	02	-	-	-	18	-	18
Others, if any(INM)	01	45	-	45	05	-	05	-	-	-	50	-	50
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants	01	08	03	11	-	-	-	-	-	-	08	03	11
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	01	29	-	29	04	-	04	-	-	-	33	-	33
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													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
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													
Value addition													
Income generation activities for empowerment of rural 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
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													
Others, if any													
VI.Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements	02	32	-	32	-	-	-	-	-	-	32	-	32
Small scale processing and value addition	01	20	51	71	10	20	30	-	-	-	30	71	101
Post-Harvest Technology													
Others, if any (Farm mechanization)	02	42	-	42	03	-	03	-	-	-	45	-	45
VII. Plant Protection													
Integrated Pest Management	04	122	04	126	08	-	08	-	-	-	130	04	134
Integrated Disease Management	01	10	20	30	20	51	71	-	-	-	30	71	101
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													

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
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	**32**	**873**	**235**	**1108**	**141**	**170**	**311**				**1014**	**405**	**1417**

B) Rural Youth (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production													
Bee-keeping													
Integrated pest management	01	03	35	38	-	10	10	-	-	-	03	45	48
Integrated farming													
Seed production	01	17	-	17	08	-	08	-	-	-	25	-	25
Production of organic inputs													
Integrated Farming													
Planting material production	01	08	03	11	-	-	-	-	-	-	08	03	11
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops	01	08	-	08	02	16	18	-	-	-	10	16	26
Commercial fruit production													
Vegetable cultivation	02	20	47	67	01	10	11	-	-	-	21	67	88
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops	03	46	58	104	08	08	16	-	-	-	54	64	120
Farm Mechanization	03	19	-	19	01	-	01	-	-	-	20	-	20
Training and pruning of orchards													
Value addition	01	08	-	08	02	16	18	-	-	-	10	16	26
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry 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
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	07	0	29	29	0	05	05	0	0	0	0	34	34
Rural Crafts													
Skill Development Training (Assistant Gardener)	02	26	12	38	02	-	02	-	-	-	28	12	40
Skill Development Training (Quality Seed Grower)	02	36	-	36	04	-	40	-	-	-	36	04	40
TOTAL	**24**	**191**	**184**	**375**	**28**	**65**	**129**	**0**	**0**	**0**	**215**	**261**	**478**

C) Extension Personnel (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops	02	52	04	56	04	-	04	-	-	-	56	04	60
Value addition	02	21	42	63	02	08	10	-	-	-	23	50	73
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/Nutri-Garden	04	42	129	171	04	23	27	-	-	-	46	152	198
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
TOTAL	**08**	**115**	**175**	**290**	**10**	**31**	**41**				**125**	**206**	**331**

D) Farmers and farm women (off campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management													
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management													
Seed production	12	169	24	193	37	05	42	-	-	-	206	29	235
Nursery management													
Integrated Crop Management													
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)	07	63	10	73	12	-	12	-	-	-	75	10	85
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment	01	56	02	58	06	01	07	-	-	-	62	03	65
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)	05	147	05	152	22	-	22	-	-	-	169	05	174
Training and Pruning													
b) Fruits													
Layout and Management of Orchards	02	15	02	17	-	-	-	-	-	-	15	02	17
Cultivation of Fruit	02	101	04	105	14	-	14	-	-	-	115	04	119
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)	01	30	-	30	05	-	05	-	-	-	35	-	35
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	01	06	03	09	-	-	-	-	-	-	06	03	09
Processing and value addition													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Others, if any													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post-harvest technology and value addition													
Others, if any													
III. Soil Health and Fertility Management													
Soil fertility management													
Soil and Water Conservation													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
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													
Value addition													
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													
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
VI.Agril. Engineering													
Installation and maintenance of micro irrigation systems	03	94	02	96	13	02	15	-	-	-	107	04	111
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements	06	107	07	114	14	01	15	-	-	-	121	08	129
Small scale processing and value addition	03	64	14	78	10	08	18	-	-	-	74	22	96
Post-Harvest Technology	02	72	05	77	12	12	24	-	-	-	84	17	101
Others, if any (Farm Mechanization)	15	209	18	227	20	02	22	-	-	-	229	23	252
VII. Plant Protection													
Integrated Pest Management	04	73	04	77	10	-	10	-	-	-	83	04	87
Integrated Disease Management													
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
X. Capacity Building and Group													

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
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	**64**	**1206**	**100**	**1306**	**175**	**31**	**206**				**1381**	**134**	**1515**

E) RURAL YOUTH (Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production	01	-	16	16	-	13	13	-	-	-	-	29	29
Bee-keeping													
Integrated farming													
Seed production	03	71	10	81	16	01	17	-	-	-	87	11	98
Production of organic inputs	04	46	15	61	08	-	08	-	-	-	54	15	59
Integrated Farming													
Organic farming of vegetable	01	130	65	195	19	38	57	-	-	-	149	103	252
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements	02	35	-	35	10	-	10	-	-	-	15	-	45
Nursery Management of Horticulture crops	01	43	10	53	10	08	18	-	-	-	53	18	71
Training and pruning of orchards													
Value addition													
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													

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
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post-Harvest Technology	01	25	-	25	-	-	-	-	-	-	25	-	25
Tailoring and Stitching													
Rural Crafts													
Others, if any (Cultivation of vegetable)	01	19	-	19	10	-	10	-	-	-	29	-	29
TOTAL	**14**	**369**	**116**	**485**	**73**	**60**	**133**				**412**	**176**	**608**

F) 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	01	17	03	20	07	-	07	-	-	-	24	-	27
Integrated Pest Management													
Integrated Nutrient management	01	46	04	50	01	-	01	-	-	-	47	04	51
Rejuvenation of old orchards													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
Crop intensification	01	46	04	50	01	-	01	-	-	-	47	04	51
Farm Mechanization	01	10	02	12	01	-	01	-	-	-	11	02	13
Value Addition	02	-	03	03	-	16	16	-	-	-	-	19	19
TOTAL	**06**	**119**	**16**	**135**	**10**	**16**	**26**				**129**	**29**	**161**

G) Consolidated table (ON and OFF Campus)

i. Farmers & Farm Women

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management													
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management													
Seed production	13	202	24	226	39	5	46	-	-	-	241	29	270
Nursery management													
Integrated Crop Management													
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)	7	63	10	73	12	-	12	-	-	-	75	10	85
TOTAL	20	265	34	299	51	5	58				316	39	355
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management	1	42	1	43	-	-	-	-	-	-	42	1	43
Water management													
Enterprise development													
Skill development													
Yield increment	1	56	2	58	6	1	7	-	-	-	62	3	65
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising	1	16	-	16	2	-	2				18	-	16
Exotic vegetables like Broccoli													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)	15	442	116	558	57	26	83	-	-	-	499	142	641
TOTAL	18	556	119	675	65	27	92				621	146	765
b) Fruits													
Training and Pruning													
Layout and Management of Orchards	3	25	3	28	1	-	1	-	-	-	26	3	29
Cultivation of Fruit	4	174	13	187	28	7	35	-	-	-	202	20	222
Management of young plants/orchards	2	80	35	115	45	66	111	-	-	-	125	101	226
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques	1	16	-	16	2	-	2	-	-	-	18	-	18
Others, if any(INM)	2	75	-	75	10	-	10	-	-	-	85	-	85
TOTAL	12	370	51	421	86	73	159				456	124	580
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental 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
Propagation techniques of Ornamental Plants	2	14	6	20	-	-	-	-	-	-	14	6	20
Others, if any													
TOTAL	2	14	6	20	-	-	-	-	-	-	14	6	20
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
e) Tuber crops													
Production and Management technology	1	29	-	29	4	-	4	-	-	-	33	-	33
Processing and value addition													
Others, if any													
TOTAL	1	29	-	29	4	-	4	-	-	-	33	-	33
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post-harvest technology and value addition													
Others, if any													
TOTAL													
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													
TOTAL													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others, if any (Goat farming)													
TOTAL													
V. Home Science/Women empowerment													
Household food security by kitchen													

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
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													
Value addition													
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													
Others, if any													
TOTAL													
VI.Agril. Engineering													
Installation and maintenance of micro irrigation systems	3	94	2	96	13	2	15	-	-	-	107	4	111
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements	8	139	7	144	14	1	15	-	-	-	153	8	161
Small scale processing and value addition	4	84	65	149	20	28	48	-	-	-	104	93	197
Post-Harvest Technology	2	72	5	77	12	12	24	-	-	-	84	17	101
Others, if any (Farm mechanization)	17	251	18	269	23	2	25	-	-	-	274	20	294
TOTAL	34	640	97	735	82	45	127				722	142	864
VII. Plant Protection													
Integrated Pest Management	8	195	8	203	18	-	18	-	-	-	213	8	221
Integrated Disease Management	1	10	20	30	20	51	71	-	-	-	30	71	101
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
TOTAL	9	205	28	233	38		89				243	79	322
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													

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
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													
TOTAL													
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													
TOTAL													
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													
TOTAL													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
TOTAL													
XII. Others (Pl. specify)													
TOTAL	**96**	**2079**	**335**	**2412**	**326**		**529**				**2405**	**536**	**2939**

ii. RURAL YOUTH (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production	1	-	16	16	-	13	13	-	-	-	-	29	29
Bee-keeping													
Integrated farming	1	3	35	38	-	10	10	-	-	-	3	45	48
Seed production	4	88	10	98	24	1	25	-	-	-	112	11	123
Production of organic	4	46	15	61	8	-	8	-	-	-	54	15	59

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
inputs													
Planting material production	1	8	3	11	-	-	-	-	-	-	8	3	11
Vermi-culture													
Organic farming of vegetable	1	130	65	195	19	38	57	-	-	-	149	103	252
Protected cultivation of vegetable crops	1	8	-	8	2	16	18	-	-	-	10	16	26
Vegetable cultivation	2	20	47	67	1	10	11	-	-	-	21	67	88
Repair and maintenance of farm machinery and implements	2	35	-	35	10	-	10	-	-	-	15	-	45
Nursery Management of Horticulture crops	4	89	68	157	18	16	34	-	-	-	107	84	191
Training and pruning of orchards													
Value addition	1	8	-	8	2	16	18	-	-	-	10	16	26
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	1	25	-	25	-	-	-	-	-	-	25	-	25
Tailoring and Stitching	7	0	29	29	0	5	5	0	0	0	0	34	34
Rural Crafts													
Cultivation of vegetable	1	19	-	19	10	-	10	-	-	-	29	-	29
Farm Mechanization	3	19	-	19	1	-	1	-	-	-	20	-	20
Skill Development Training (Assistant Gardener)	2	26	12	38	2	-	2	-	-	-	28	12	40
Skill Development Training (Quality Seed Grower)	2	36	-	36	4	-	40	-	-	-	36	4	40

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
TOTAL	**38**	**560**	**300**	**860**	**101**	**125**	**262**	**0**	**0**	**0**	**627**	**439**	**1086**

iii. Extension Personnel (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops	3	69	7	76	11	-	11	-	-	-	80	7	87
Integrated Pest Management													
Integrated Nutrient management	1	46	4	50	1	-	1	-	-	-	47	4	51
Rejuvenation of old orchards													
Value addition													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security/ Nutri-Garden	4	42	129	171	4	23	27	-	-	-	46	152	198
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
Crop intensification	1	46	4	50	1	-	1	-	-	-	47	4	51
Farm Mechanization	1	10	2	12	1	-	1	-	-	-	11	2	13
Value Addition	4	21	45	66	2	24	26	-	-	-	23	69	92
TOTAL	**14**	**234**	**191**	**425**	**20**	**47**	**67**				**254**	**238**	**492**

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

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
Agricultural Engineering	PF	Farm Machinery and maintenance	1	On	12	0	12	0	0	0
Horticulture	PF	Nursery Management	1	On	0	29	29	16	0	16
Horticulture	PF	Propagation by Gootee	1	On	16	0	16	2	0	2
Plant Protection	PF	IPM and IDM of Rabi crops	1	On	16	0	16	2	0	2
Agricultural Engineering	PF	Small Scale Food Processing	1	On	16	0	16	2	0	2
Agricultural Engineering	PF	Farm Machinery and maintenance	1	On	16	0	16	2	0	2
Plant breeding	Pf	Seed Production in Wheat	1	Off	15	4	19	3	1	4
Horticulture	PF	Vegetable Production	1	Off	25	0	25	2	0	2
Horticulture	PF	Vegetable Production	1	On	42	1	43	0	0	0
Plant breeding	PF	INM in wheat	1	On	42	1	43	0	0	0
Agricultural Engineering	Pf	Use of farm machinery for judicial use of fertilizer	1	On	42	1	43	0	0	0
Plant Protection	PF	IPM in vegetable and Rabi crops	1	On	42	1	43	0	0	0
Plant Protection/ Plant Breeding/Horticulture/Agricultural Engineering	PF	Farmer Scientist interaction	1	On	35	-	35	2	0	2
Plant Protection/ Plant Breeding/Horticulture/Agricultural Engineering	PF	Farmer Scientist interaction	1	Off	36		36	3	0	3
Horticulture	PF	Cultivation of summer vegetables	1	Off	22	0	22	3	0	3
Plant breeding	PF	Seed production in maize	1	Off	31	0	31	0	0	0
Horticulture	PF	Role of Horticulture in increasing farm income	1	On	29	10	39	5	0	5
Horticulture	PF	Role of farm machinery in Horticulture	1	On	29	10	39	5	0	5
Plant Protection	PF	Seed Production in Maize	1	Off	29	2	31	4	0	4
Agricultural Engineering	PF	Farm machinery and maintenance	1	Off	10	0	10	0	0	0
Agricultural Engineering	PF	Application of Maize Sheller	1	Off	0	13	13	13	0	13
Plant Protection	PF	Storage of grain pest management	1	On	16	0	16	0	0	0
Agricultural Engineering	PF	Zero tillage in Moong bean	1	Off	23	0	23	4	0	4
Agricultural Engineering	PF	Zero tillage in Moong bean	1	Off	28	0	28	5	0	5

Horticulture	PF	Cultivation of mango	1	Off	22	0	22	2	0	2
Plant Protection	PF	IPM in mango orchard	1	Off	0	0	0	0	0	0
Plant Protection	PF	Beekeeping Processing (Through online mode)	1	Off	8	2	10	0	0	0
Plant breeding	PF	DSR in Paddy	1	Off	6	2	8	0	0	0
Agricultural Engineering	PF	Vegetable and Fruit processing	1	Off	13	2	15	0	0	0
Horticulture	PF	Establishment of New orchard	1	On	7	2	9	0	0	0
Agricultural Engineering	PF	Farm machinery & Maintenance	1	Off	10	0	10	0	0	0
Plant breeding	PF	DSR	1	Off	5	3	8	0	0	0
Plant breeding	PF	DSR	1	Off	7	2	9	0	0	0
Horticulture	PF	Cultivation of Elephant foot yam	1	Off	6	3	9	0	0	0
Agricultural Engineering	PF	Farm machinery used in paddy cultivation	1	Off	7	0	7	0	0	0
Plant Protection	PF	Insect pest and disease management in paddy nursery	1	Off	7	2	9	0	0	0
Plant breeding	PF	DSR technology	1	On	9	0	9	0	0	0
Horticulture	PF	High Density Planting	1	Off	12	0	12	0	0	0
Plant Protection	PF	Insect pest and disease management in Paddy nursery	1	Off	14	0	14	2	0	2
Agricultural Engineering	PF	Paddy cultivation by different machines	1	Off	12	0	12	1	0	1
Agricultural Engineering	PF	DSR technology	1	Off	8	2	10	0	0	0
Agricultural Engineering	PF	Zero tillage in wheat	1	Off	13	2	15	1	0	1
Horticulture	PF	Gardening/Layout and Planting	1	Off	25	0	25	2	0	2
Horticulture	PF	Cultivation of Rainy season vegetables	1	Off	8	0	8	2	0	2
Agricultural Engineering	PF	Paddy transplantation through Paddy trans planter	1	Off	8	0	8	1	0	1
Agricultural Engineering	PF	Maintenance of Farm Machinery	1	On	10	0	10	1	0	1
Plant breeding	PF	Cultivation of sunflower	1	Off	15	0	15	5	0	5
Horticulture	PF	Cultivation of Kharif vegetables	1	Off	17	1	18	5	0	5
Plant Protection	PF	INM in Paddy	1	Off	17	1	18	5	0	5
Agricultural Engineering	PF	Micro irrigation and its application	1	Off	17	1	18	3	1	4
Horticulture	PF	Cultivation of medicinal plant	1	Off	33	0	33	4	0	4
Plant breeding	PF	Seed production in sunflower	1	Off	45	6	51	5	0	5
Plant Protection	PF	INM in paddy	1	Off	22	2	24	7	0	7
Agricultural Engineering	PF	Micro irrigation awareness training	1	Off	28	0	28	4	0	4
Agricultural Engineering	PF	Farm machinery and	1	Off	13	4	17	2	0	2

		its application								
Horticulture	Pf	Food & nutrition security	1	On	42	16	58	2	7	9
Plant Protection	PF	IPM in Paddy	1	Off	7	4	11	0	0	0
Agricultural Engineering	PF	Zero tillage in Wheat	1	Off	14	0	14	0	0	0
Plant breeding	PF	Seed production in maize	1	Off	17	0	17	8	0	8
Plant breeding	PF	Seed production on Paddy	1	Off	17	0	17	4	0	4
Agricultural Engineering	PF	Farm machinery and its maintenance	1	Off	14	0	14	1	0	1
Agricultural Engineering	PF	Farm machinery and its maintenance	1	On	35	3	38	4	0	4
Horticulture/ Plant Protection	PF	Inter -cropping old vegetable in Sugarcane and IPM in sugarcane	1	Off	34	0	34	3	0	3
Agricultural Engineering	PF	Zero tillage in oilseed	1	Off	33	0	33	0	0	0
Agricultural Engineering	PF	Farm machinery and its maintenance	1	Off	25	6	31	5	0	5
Agricultural Engineering	PF	Post-Harvest Technology	1	Off	20	4	24	6	0	6
Agricultural Engineering	PF	Food Processing & value addition	1	On	30	71	101	20	51	71
Agricultural Engineering	PF	Post-Harvest Technology	1	Off	64	13	77	18	0	18
Agricultural Engineering	PF	Farm machinery and its application	1	Off	34	0	34	0	0	0
Plant Protection/ Plant Breeding/Horticulture/Agricultural Engineering	PF	Climate resilient Agriculture Technology	1	On	101	100	201	10	15	25
Horticulture	PF	Cultivation of pointed gourd	1	Off	28	2	30	2	0	2
Agricultural Engineering	PF	Farm machinery and its maintenance	1	Off	28	2	30	2	0	2
Agricultural Engineering	PF	Role of agricultural machine in the cultivation of Potato	1	Off	29	0	29	10	0	10
Plant Breeding	PF	Ziradei	1	Off	166	87	253	12	40	52
Plant breeding	PF	Seed Production in chick pea	1		21	6	27	6	2	8
Agricultural Engineering	PF	Zero tillage of mustard & wheat	1	Off	25	3	28	0	0	0
Horticulture	PF	Cultivation of Rajama	1	On	25	3	28	0	0	0
Plant Protection/ Plant Breeding/Horticulture/Agricultural Engineering	PF	Field crops	1	On	17	1	18	2	0	2
Agricultural Engineering	PF	Farm mechanization	1	Off	126	45	171	32	0	32
Horticulture & Plant Protection	PF	IFFCO	1	On	28	23	51	10	21	31
Horticulture & Agril Engg	PF	Farm mechanization and vegetable cultivation	1	On	31	0	31	0	0	0
Agricultural Engineering	PF	Zero tillage in mustard, wheat	1	Off	19	0	19	3	0	3
Agricultural Engineering	PF	Farm mechanization	1	Off	57	40	97	42	0	42

Agricultural Engineering	PF	Post-harvest technology	1	Off	19		19	1	0	1
Agricultural Engineering	PF	Zero tillage in Rapeseed & Mustard	1	Off	20	0	20	1	0	1
Plant breeding	PF	Seed production of lentil	1	Off	18	3	21	4	0	4
Horticulture	PF	Cultivation of potato	1	Off	6	24	30	12	0	12
Plant Protection/ Plant Breeding/Horticulture/Agricultural Engineering	PF	Ziradei	1	Off	149	103	252	19	38	57
Plant breeding	PF	Seed Production In Pea	1	Off	18	7	25	7	0	7
Plant breeding	PF	Seed production in Gram	1	Off	24	2	26	3	0	3
Plant Protection/ Plant Breeding/Horticulture/Agricultural Engineering	PF	Zero Budget Agriculture	1	On	270	268	538	50	62	112
Plant Protection/ Plant Breeding/Horticulture/Agricultural Engineering	PF	Uttam kheti unnat Kisan	1	Off	62	3	65	6	1	7
Plant Protection/ Plant Breeding/Horticulture/Agricultural Engineering	PF	Uttam kheti unnat Kisan	1	On	10	16	26	2	16	18
Plant Protection/ Plant Breeding/Horticulture/Agricultural Engineering	PF	Uttam kheti unnat Kisan	1	Off	53	18	71	10	8	18
Plant breeding	PF	Seed Production in wheat	1	Off	25	5	30	6	0	6
Agricultural Engineering	PF	Farm mechanization	1	Off	18	0	18	2	0	2
Home Science Extension	RY	Cutting & Stitching	7	On	0	34	34	0	5	5
Plant Protection	RY	Mushroom Production Technique	1	Off	0	29	29	0	13	0
Agricultural Engineering	RY	Processing and value addition in Mushroom cultivation	1	Off	0	22	22	0	8	8
Agricultural Engineering	RY	Maintenance of farm machinery	1	Off	16	0	16	0	0	0
Horticulture	RY	Scientific cultivation of potato	1	On	28	9	37	3	0	3
Agricultural Engineering	RY	Drying using solar dryer for value addition	1	On	7	3	10	0	0	0
Horticulture	RY	Assistant Gardener (Skill India Training)	12	On	14	6	20	0	0	0
Horticulture	RY	Quality seed grower(Skill India Training)	12	On	20	0	20	0	0	0
Plant Breeding	RY	Quality seed grower (Skill India Training)	28	On	20	0	20	0	0	0
Plant Protection	RY	IPM in vegetable	1	On	3	45	48	0	10	10
Plant Breeding	RY	Cultivation of Soybean crops (RY)	1	Off	14	0	14	3	0	3
Horticulture	RY	Cultivation of spices & vegetable (RY)	1	On	17	12	29	1	0	1
Plant Breeding	RY	Training on finger	1	Off	25	0	25	8	0	8

		millet (RY)								
Agricultural Engineering	RY	Role of agricultural machine in the cultivation of Potato	1	Off	19	0	19	10	0	10
Horticulture	RY	Cultivation of Potato & Entrepreneurship (RY)	1	Off	19	0	19	10	0	10
Plant Protection	RY	Vermicompost training (RY)	3	Off	33	7	40	2	0	2
Plant Breeding	RY	Seed Production in Rape seed & Mustard (RY)	1	Off	15	0	15	6	0	6
Plant Protection	RY	Vermi compost training (RY)	3	Off	29	6	35	6	0	6
Horticulture	RY	Management of Nursery of fruit trees (RY)	3	On	1	54	55	5	0	5
Plant Protection	RY	Vermi compost technique (RY)	3	Off	29	5	34	3	0	3
Agricultural Engineering	RY	Potato plantation (RY)	1	On	20	0	20	1	0	1
Agricultural Engineering	RY	Potato Cultivation through potato plantation	3	On	19	0	19	1	0	1
Plant Breeding	RY	Seed production of lentil (RY)	1	Off	24	6	30	7	0	7
Plant Protection	RY	IPM in vegetable crops	1	On	31	0	31	2	0	2
Plant Breeding	RY	Seed Production in pea (RY)	1	Off	21	5	26	6	0	6
Plant Protect & Agricultural Engineering	EF	Food Processing & Mushroom Production	1	Off	0	29	29	0	13	13
Agricultural Engineering	EF	Paddy transplantation through Paddy trans planter	1	On	11	2	13	1	0	1
Horticulture	EF	Nutritional garden	1	On	9	26	35	6	0	6
Agricultural Engineering	EF	Value Addition	1	On	5	25	30	4	0	4
Horticulture	EF	Nutritional garden	1	On	23	50	73	0	0	0
Horticulture	EF	Nutritional garden	1	On	14	24	38	4	0	4
Agricultural Engineering	EF	Value Addition	1	On	12	24	36	5	0	5
Horticulture	EF	Nutritional garden	1	On	0	45	45	0	7	7
Plant Breeding & Extension	EF	Rabi Abhiyan 2021-22	1	Off	53	0	53	42	0	42
Plant Breeding	EF	Seed Production in oilseed crops	1	Off	17	3	20	7	0	7
Horticulture, Plant Protection , Plant breeding& Extension	EF	World soil day	1	Off	47	4	51	0	0	0

H) Vocational training programmes for Rural Youth

Details of training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Duration (days)	No. of Participants			Self-employed after training			Number of persons employed else where
				Male	Female	Total	Type of units	Number of units	Number of persons employed	

	Self-employment generation through agricultural enterprise	Cutting & Stitching	7	-	34	34			3	2
Assistant Gardener		Assistant Gardener	28	14	06	20			4	2
Quality Seed grower		Quality Seed grower	28	20	0	20			2	1
Quality Seed grower		Quality Seed grower	28	20	0	20			1	1

**training title should specify the major technology /skill transferred*

I) Sponsored Training Programmes

Sl.	Title	Thematic area	Month	Duration (days)	Client PF/RY/EF	No. of courses	No. of Participants										Sponsoring Agency
							Male			Female			Total				
							Others	SC	ST	Others	SC	ST	Others	SC	ST	Total	
1	Training & Exposure Visit		January	3	PF	6	16	0	2	0	0	0	16	2	0	18	Ankit Anushuchit Samaj Kalyan Technical Nari Uthhan sathan, Barhaj, Deoria, UP
2	Food Processing & Mushroom Production		January	1	EF	1	0	0	0	16	13	0	16	13	0	29	JEEVIKA, Bhagwanpur Hat, Siwan
3	Judicial use of fertilizer, mechanization, INM etc		January	1	PF	1	42	1	0	0	0	0	42	1	0	43	IFFCO Siwan
4	Farmer Scientist Interaction		January	1	PF	1	33	0	0	2	-	0	33	2	0	35	ATMA, Siwan
5	Farmer Scientist Interaction		January	1	PF	1	33	3	0	0	0	0	33	3	0	36	ATMA, Siwan
6	Scientific cultivation of Potato and mechanization		February	1	PF	2	25	3	0	9	-	0	28	9	0	37	CPRS, Patna

7	Kisan Pathsala (Post-harvest management)		March	1	PF	2	16	2	0	0	0	0	16	2	0	18	ATMA, Siwan
8	Agricultural Demonstration		March	1	PF	1	176	47	0	10	5	0	186	52	0	238	Bhojpuri Mahotsav, Siwan
9	Training & Exposure Visit		March	7	PF	6	3	0	0	35	10	0	3	45	0	48	Ankit Anushuchit Samaj Kalyan Technical Nari Uthhan sathan, Barhaj, Deoria, UP
10	Farmer Scientist Interaction		September	1	PF	1	31	4	0	3		0	34	4	0	38	ATMA, Siwan
11	Seed satisfaction & production		September	1	PF	1	31	3	0	0	0	0	31	3	0	34	Bihar State seed & Organized certificate Agency
12	Poshan Mah		September	1	EF	4	10	20	0	20	51	0	30	71	0	101	IFFCO Siwan
13	Kisan Gosthi		September	1	PF	1	30	4	0	0	0	0	30	4	0	34	KVK, Siwan
14	Kisan Gosthi		October	1	PF	1	24	5	0	0	0	0	24	5	0	29	KVK, Siwan
15	Kisan Gosthi		October	1	PF	1	120	46	0	40	47	0	160	93	0	253	KVK, Siwan
16	Kisan Gosthi		October	1	EF	2	42	11	0	0	0	0	42	11	0	53	DAO, Siwan
17	Kisan Gosthi		October	1	PF	1	42	10	0	20	28	0	62	38	0	100	KVK, Siwan
18	Kisan Gosthi		October	1	PF	1	18	10	0	2	21	0	28	23	0	51	IFFCO Siwan
19	Training & Exposure Visit		November	1	PF	3	5	1	0	13	11	0	6	24	0	30	Ankit Anushuchit Samaj Kalyan Technical Nari Uthhan sathan, Barhaj, Deoria, UP
20	World Soil Day		December	1	EF	3	48	2	0	3	0	0	51	2	0	53	DAO Siwan

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

Nature of Extension Activity	No. of activities	Farmers				Extension Officials			Total		
		M	F	T	SC/ ST (% of total)	Male	Female	Total	Male	Female	Total
Field Day	10	340	10	350	10.00	05	01	06			
Kisan Mela	04	2150	1000	3150	15.8	33	02	35	2183	1002	3185
Kisan Ghosthi	22	2522	1798	4320	15	50	5	55	2572	1803	4375
Exhibition	04	2150	1000	3150	15.8	33	02	35	2183	1002	3185
Film Show	-	-	-	-	-	-	-	-	-	-	-
Method Demonstrations	36	1953	1056	3009	16.3	180	13	193	2133	1069	3202
Farmers Seminar	3	510	10	520	10.8	7	2	9	517	12	529
Workshop	9	63	33	96	9.6	630	246	876	693	279	972
Group meetings	5	195	63	258	11.6	21	4	25	216	67	283

Lectures delivered as resource persons	95	1125	300	1425	19.6	157	36	193	1282	336	1618
Advisory Services	9650	8200	1300	9500	7	125	25	150	8325	1325	9650
Scientific visit to farmers field	179	363	23	383	13				363	23	383
Farmers visit to KVK	-	3841	2631	6472	16.9	563	139	702	4404	2770	7174
Diagnostic visits	34	135	26	171	5.00	21	02	23	156	28	184
Exposure visits	05	2220	1000	3220	15.8	33	02	35	2183	1002	3185
Ex-trainees Sammelan	4	49	31	80	13.6	15	10	25	64	41	105
Soil health Camp	1	10	02	12	6.0	50	3	53	60	05	65
Animal Health Camp	-	-	-	-	-	-	-	-	-	-	-
Agri mobile clinic	7455	-	-	7455	13	-	-	-	-	-	7455
Soil test campaigns	6	136	-	136	6	30	6	36	166	6	172
Farm Science Club Conveners meet	-	-	-	-	-	-	-	-	-	-	-
Self Help Group Conveners meetings	11	232	541	772	16.0	22	4	26	254	545	799
Mahila Mandals Conveners meetings	03	6	115	121	10.0	8	15	23	14	130	144
Special Programmes (specify)	19	425	549	981	26.30	143	16	159	593	547	1140
Sankalp Se Siddhi	-	-	-	-	-	-	-	-	-	-	-
Swatchta Hi Sewa	19	641	263	876	12.0	122	15	137	763	278	1041
Any Other (Specify)											
Total	17574	27266	11751	46457	285.1	2248	548	2796	29124	12270	48846

B. Other Extension activities

Nature of Extension Activity	No. of activities
Newspaper coverage	91
Radio talks	0
TV talks	3
Popular articles	08
Extension Literature	11
Other, if any	-

C. Celebration of important days

Celebration of Important Days	No. of activities	Farmers				Extension Officials			Total		
		M	F	Total	SC/ ST (% of total)	M	F	Total	M	F	Total
Republic day (26th Jan.)	01	25	15	40	35.00	4	0	4	29	15	44
International Women's Day (8th Mar.)	01	57	-	64	10.5	06	-	06	70	-	70
World Water Day (22nd Mar.)	01	41	69	110	13.65	06	1	07	47	70	117
Ambedkar Jayanti (14th Apr.)	-	-	-	-	-	-	-	-	-	-	-
International Yoga Day (21st Jun.)	01	-	-	-	-	8	01	09	08	01	09
Independence Day (15th Aug.)	01	35	15	50	10.00	06	01	07	41	16	57
Parthenium Awareness Week (16th to 22nd Aug.)	02	15	20	35	20	6	1	7	21	36	57

Hindi Diwas (14th Sep.)	01	10	6	16	4	4	1	5	14	7	21
Gandhi Jayanti (2nd Oct.)	01	19	3	22	6	5	1	6	24	4	28
Mahila Kisan Diwas (15th Oct.)	01	04	43	47	91.50	02	1	03	06	44	50
World Food Day (16th Oct.)	01	27	48	75	64.00	05	02	07	50	32	82
Vigilance Awareness Week (27th Oct. to 2nd Nov.)	04	35	18	53	12.00	05	02	07	40	20	60
National Unity Day (31st Oct.)	01	31	0	31	0	03	-	03	34	0	34
World Science Day (10th Nov.)	-	-	-	-	-	-	-	-	-	-	-
National Education Day (11th Nov.)	-	-	-	-	-	-	-	-	-	-	-
National Constitution Day (26th Nov.)	01	06	24	30	36.33	04	01	05	10	25	35
World Soil Day (5th Dec.)	01	-	-	-	-	50	03	53	50	03	53
Kisan Diwas (23rd Dec.)	01	62	3	65	10.76	-	-	-	62	3	65

D. Interaction/Live telecast programme of Hon'ble PM/Hon'ble AM

Sl.	Date of event	Name of Event/Programme	Interaction of Hon'ble PM/AM	Participants			
				Farmers	Staffs	VIP/Others	Total
1	14.05.2021	Hon'ble Prime Minister will release more than Rs. 19000 crores to more than 9.5 crores farmers on 14th May 2021 by single press of a button	-	-	12	-	12
2	26.08.2021	Live telecast of Hon'ble AM of India on the topic "Food and Nutrition for Farmers''	-	58	12	02	72
3	17.09.2021	Live telecast of Hon'ble AM of India on the topic "Poshan Vatika Mahabhiyan and Tree Plantation"	-	101	12	05	118
4	28.09.2021	Live telecast of Hon'ble PM of India on the topic Climate resilient Agriculture Technology	-	201	12	02	214
5	16.12.2021	Live telecast of Hon'ble PM of India on the topic of Natural farming	-	538	12	02	552

3.5 a. Production and supply of Technological products

Village seed

Crop	Variety	Quantity of seed (q)	Value (Rs)	No. of farmers involved in village seed production	Number of farmers to whom seed provided			
					SC	ST	Other	Total
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
Total								

KVK farm

Crop	Variety	Quantity of seed (q)	Value (Rs)	Number of farmers to whom seed provided			
				SC	ST	Other	Total
Wheat	HD-2967	136	5,44,000.00	-	-	-	-
Pigeon pea	Rajendra Arhar-1	4.50	51,750.00	-	-	-	-
Rape seed &mustard	R-Suflam	1.35	14,850.00	-	-	-	-
Lentil	HUL-57	16.00	2,46,000.00	-	-	-	-
Potato	Kufri Chipsona, Kufri Sinduri	102.5	2,56,250.00				
Paddy	Raj Shree	300	12,600,00.0	-	-	-	-
Grand Total		**560.35**	**2372850.00**				

Production of planting materials by the KVKs

Crop	Variety	No. of planting materials	Value (Rs)	Number of farmers to whom planting material provided			
				SC	ST	Other	Total
Vegetable seedlings							
Cauliflower							
Cabbage							
Tomato	Kashi Aman/ Kashi Adarsh	22222	FLD	19		131	150
Brinjal	Kashi Utam	22222	FLD	19		131	150
Chilli	Kashi Anmol	40000	FLD	19		131	150
Onion			FLD				
Others (Drumstick)	PKM-1	1000	FLD	19		131	150
Fruits							
Mango	Amrapali/Mallika	1528	137520				
Guava	Allahabad Sapheda	500	25000				
Lime							
Papaya	Ranchi Local	800	12000				
Banana							
Litchi	Shahi	1000	50000				
Ornamental plants							
Medicinal and Aromatic							
Plantation							
Spices							
Turmeric							
Tuber							
Elephant yams							
Fodder crop saplings							
Forest Species							
Others, pl.specify							
Total							

Production of Bio-Products

Name of product	Quantity Kg	Value (Rs.)	No. of Farmers benefitted			
			SC	ST	Other	Total
Bio-fertilizers	-	-	-	-	-	-
Bio-pesticide	-	-	-	-	-	-
Bio-fungicide	-	-	-	-	-	-
Bio-agents	-	-	-	-	-	-
Others, please specify.	-	-	-	-	-	-
Total	-	-	-	-	-	-

Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers benefitted			
				SC	ST	Other	Total
Dairy animals	-	-	-	-			
Cows	-	-	-	-			
Buffaloes	-	-	-	-			
Calves	-	-	-	-			
Others (Pl. specify)	-	-	-	-			
Small ruminants	-	-	-	-			
Sheep	-	-	-	-			
Goat	-	-	-	-			
Other, please specify	-	-	-	-			
Poultry	-	-	-	-			
Broilers	-	-	-	-			
Layers	-	-	-	-			
Duals (broiler and layer)	-	-	-	-			
Japanese Quail	-	-	-	-			
Turkey	-	-	-	-			
Emu	-	-	-	-			
Ducks	-	-	-	-			
Others (Pl. specify)	-	-	-	-			
Piggery	-	-	-	-			
Piglet	-	-	-	-			
Hog	-	-	-	-			
Others (Pl. specify)	-	-	-	-			
Fisheries	-	-	-	-			
Indian carp	-	-	-	-			
Exotic carp	-	-	-	-			
Mixed carp	-	-	-	-			
Fish fingerlings	-	-	-	-			
Spawn	-	-	-	-			
Others (Pl. specify)	-	-	-	-			
Grand Total	-	-	-	-			

3.5. b. Seed Hub Programme - *"Creation of Seed Hubs for Increasing Indigenous Production of Pulses in India"*

i) Name of Seed Hub Centre:

Name of Nodal Officer :	-
Address :	-
e-mail :	-
Phone No. : Mobile :	-

ii) Quality Seed Production Reports

Season	Crop	Variety	Production (q)			
			Target	Area sown (ha)	Production	Category of Seed (F/S, C/S)
Kharif 2021	-	-	-	-	-	-
	-	-	-	-	-	-
Rabi 2021	-	-	-	-	-	-
	-	-	-	-	-	-
Summer/Spring 2021	-	-	-	-	-	-

(iii) Financial Progress

Fund received (2016-17, 2017-18, 2019, 2020 and 2021)	Expenditure (Rs. in lakhs)		Unspent balance (Rs. in lakhs)	Remarks
	Infrastructure	Revolving fund		
2016-17	-	-	-	-
2017-18	-	-	-	-
2019	-	-	-	-
2020	-	-	-	-
2021	-	-	-	-

iv) Infrastructure Development

Item	Progress
Seed processing unit	-
Seed storage structure	

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

Item	Title	Author's name	Number	Circulation
Research paper	Participation of rural women in decision making pattern on farm and household related activities. Progressive Agriculture, 21(1):156-162.	Kumari, A. R., Satya Prakash and Meena, K. -	Many	Many
	. Marigold Intercropping with Cabbage for Pest Management and Additional income of Farmers. Progressive Agriculture, 21(1):163-165.	Kumari, A. R., Satya Prakash and Mandal, S. K.	Many	Many
Seminar/conference / symposia papers	- Participated in International conference on "Research Initiatives for Agriculture, Biotechnology and allied Sciences ICRIABAS – 2020 organised by New age Mobilization Society, New Delhiin	Dr. A.R. Kumari	Many	Many

	Collaboration with I.I.M.T. University, Meerut U.P. India held on 24-25th April 2021.			
	Participated and presented Research Paper (on line) on topic "Marigold Intercropping with Cabbage for Pest Management and Farmers" in 4th National Conference on "Doubling Farmers Income for Sustainable & Harmonious Agriculture (DISHA-2021)" held on March, 13-14th, 2021 at Sambodhi Retreat, Dhanbad, Jharkhand.	Dr. A.R. Kumari	Many	Many
Books	ICTs Related Programs and Schemes for Rural Development. *Page 1-129. (English).* Published by- Mr. Gajendra Pal, Proprietor, Parmar Publication 854, KG Ashram, Bhuinphod, Govindpur Road, Dhanbad, Jharkhand.	Bara, N., Kumari, A. R**.,** Das, R., Kumari, M., Kumari, A., Ansari, M.N., Siva Balan, K.C., Paswan, A. K., and Tigga, A S.	Many	Many
	Glossary of Terms and Terminologies in Community, Extension and Social Sciencies. *Page 1-101. (English).* Published by- Mr. Gajendra Pal, Proprietor, Parmar Publication 854, KG Ashram, Bhuinphod, Govindpur Road, Dhanbad, Jharkhand.	Muthuraman, P., Kumari, A. R., Kumari, N., Kumari, S., Singh, B. D. and Srivastava, A K.	Many	Many
Bulletins	Assistant Gardener training Bulletin	Kumari, A. R., , Barun and K. B. Chhetri	Many	Many
News letter	Quartely newsletter	Kumari, A. R., ,Mandal, S. K., Mandal, R. K., Barun and K. B. Chhetri	Many	Many
Popular Articles	. Post-Harvest Management and Processing of Mushroom, Page 94-97. (in English). Book- Mushroom Production: An Emerging Avenue for Rural Youth and self-Employment. Edited by- Santosh Kumar, Tribhuwan Kumar, Deepak Kumar Patel, Tamoghana Saha and S B Sah.	Chhetri, K. B., Kumari, A. R., Barun., Mandal, S. K. and Mandal, R. K.	Many	Many
	Sabji Prasanskaran evam Mulya Sambardhan aaj ki Avasyakta. *Vindhy Krishi, Rabi evam Zaid, 15(1&2):91-104.*	Kumari, A. R**.,** Chhetri, K. B., Barun., Mandal, R. K. and Mandal, S. K.	Many	Many
	. Badgrast kshetro me fal Virksho ka Pravandhan. *Vindhy Krishi, Rabi evam Zaid, 15(1&2):70-72.*	Mandal, S. K., Kumari, A. R. and Chhetri, K. B.	Many	Many
	Moong ki Unnat Kheti. *Krishak Vandana, April, (5):11-12.*	Chaubey, S., Mandal, S. K., Kumari, A. R., Ben, R. P., and	Many	Many

		Srivastav, A.		
	Badalte Mausam me Dhan ki Sidhi bubai: Krishi Ki Ek Unnat Taknik. *Krishak Vandana, June & July, (7&8):19-20.*	Chaubey, S., Chhetri, K. B., Kumari, A. R. and Chaturvedi, V. D.	Many	Many
Book Chapter	Rice Blast Disease and its Integrated Management. Page 129-136 (in English).	Mandal, S. K., Kumari, A. R., Mandal, R. K., Barun and K. B. Chhetri	Many	Many
	Guava wilt and its Management. Page 201-208. (in English). **Book- Innovative Approaches in Diagnosis and Management of Crop diseases Vol-3 . Nanomolecules and Biocontrol Agents.** Edited by- Rakesh Kumar Singh and Gopala	Mandal, S. K., Kumari, A. R., Mandal, R. K., Barun and K. B. Chhetri 2021.	Many	Many
Extension Pamphlets/ literature	-	-	-	-
Technical reports	-	-	-	-
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:

Sl. No.	Name of programme	Name of course	Name of KVK personnel and designation	Date and Duration	Organized by
1.	FPO Orientation Workshop for KVKs and ICAR Institutes	FPO Orientation Workshop	Dr. A.R. Kumari, & Dr. Barun, Dr. Raj Kumar Mandal, Dr. S.K. Mandal, Er. K.B. Chhetri	05.03.2021	ICAR
2.	Workshop on Horticulture On Farm Trial, Formation, Designing & Planning	OFT Finalization	Dr. A.R. Kumari, & Dr. Barun	25-26 march 2021	ATARI, Patna
3	sensitization Workshop on DFI Network project	DFI network Project	Dr. Barun, Dr. Raj Kumar Mandal, Dr. S.K. Mandal, Er. K.B. Chhetri	20-Apr-21	ICAR
4	Solar PV Market Growth and Technology overview	Solar PV Market Growth and Technology overview	Er. K.B. Chhetri	21 April 2021	NPC, New Delhi
5	4th Annual Zonal Workshop of ATARI Patna	Annual Zonal Workshop of ATARI Patna	Dr. A.R. Kumari, & Dr. Barun, Dr. Raj Kumar Mandal, Dr. S.K. Mandal, Er. K.B. Chhetri	14-15 July 2021	ATARI, Patna
6	Training on Use of Statistical tools in agriculture and allied fields	Training on Use of Statistical tools in agriculture and allied fields	Dr. Barun, Er. K.B. Chhetri	16-19 July 2021	Society of Krishi Vigyan
7	Technology intervention for rural entrepreneurship	Technology intervention for rural	Dr. Barun, Er. K.B. Chhetri	27-30 July	ICAR- IIWR, Karnal

	& farmers prosperity in Eastern India	entrepreneurship & farmers prosperity in Eastern India			
8	workshop of CRA Program	CRA workshop	Dr. A.R. Kumari, Dr. Raj Kumar Mandal, Er. K.B. Chhetri	13-14 September 2021	BAMETI, Bihar govt.
9	ISAE Annual Convention	ISAE Annual Convention	Er. K.B. Chhetri	23- 25 Nov 2021	Dr. RPCAU, Pusa & BAMETI
10	Workshop on "Natural Farming" through video conference is scheduled to be held under the Chairmanship of Vice-Chairman, NITI Aayog	Workshop on "Natural Farming"	Dr. A.R. Kumari, & Dr. Barun, Dr. Raj Kumar Mandal, Dr. S.K. Mandal, Er. K.B. Chhetri	30-Nov-21	ICAR

3.7. Success stories/Case studies, if any (two or three pages write-up on 1-2 best case(s) with suitable action photographs)

(A) Sri Tara Chand Prasad

Name of farmer	Sri Tara Chand Prasad
Address	Mirjumbla, Bhagwanpur Hat, Siwan
Contact details (Phone, mobile, email Id)	9006516723
Landholding (in ha.)	6.0
Name and description of the farm/ enterprise	Sri Tara Chand Prasad, block- Bhagwanpur Hat Vill- Mirjumla is an educated (B.A.) farmer. His main source of income is farming. Earlier he used to grow cereals on his field. His annual income was **Rs. 3,44,680.00 (Three lac forty four thousand six hundred eighty)** only from 6.0ha land. Once he came to KVK for technological guidance from KVK scientists. He participated in different types of training related to vegetable cultivation, vermi compost preparation, mushroom cultivation and tried to commercialize his farming. He has also received training from ATMA Siwan, KVK Siwan and DNS Patna. He produces vermi compost for selling as well as his own farm use. He produces quality seeds also. Today Sri Tara Chand Prasad became a model for vegetable cultivation. Now his earns **Rs. 8,91,600.00 (Eight lakh ninety one thousand six hundred)** only annually and lives a decent life.
Economic impact	Total Expenditure (Rs): 4,06,000.00 / Total Income (Rs): 12,97,600.00 / Net Income (Rs): 8,91,600.00
Social impact	Sri Tara Chand Prasad is an icon of vegetable production of his area.
Environmental impact	Drip Irrigation conserves soil moisture and

	maintained water table.
Horizontal/ Vertical spread	He grows vegetables traditionally and in poly house also.

(B) Sri Sanjeev Kr. Singh

Name of farmer	Sri Sanjeev Kr. Singh
Address	Kala Dumra, Goreyakothi, Siwan
Contact details (Phone, mobile, email Id)	
Landholding (in ha.)	3.0
Name and description of the farm/ enterprise	It is about the experience of a farmer of in the village Kala Dumra who gained economic mileage from developing IFS model & became a source of inspiration to other fellow farmers of the area. He is Sanjeev Kumar Singh aged 45 years a post graduate in arts with LLB. Earlier his income was very low as there was lack in proper coordination among various components of his farming. He was not getting the good return in comparison to his investment. He used to earned 50 thousand only but from IFS model i.e. fisheries, floriculture, agro forestry, banana cultivation he is getting 5.55 lakh every year He has developed integrated farming system model (IFS). In this model three ponds each one acre are available. He produced pugnacious fish, Indian Major

<table>
<tr><td></td><td>Carp, Indian Mangur, banana and gladiolus was planted on the bund of the pond for increasing the income. This is the first model of Siwan district. About 100 farmers have visited to see this model and officers like DAO, DHO, DFO, and Scientists of KVK, Bankers and other staff from state have appreciated this model.

He was awarded" Kisan Shri" (2008) from Bihar govt. first award from District ATMA (2009) for elephant foot yam and Innovative farmers Puraskar from RAU, Pusa, Samastipur in the year of 2015-16.

Highlights of Success
➢ Farming not a burden or compulsion but a source of a good income and natural satisfaction
➢ Diversification of subsistence farming with plantation crops

Adopted and communicated IFS as risk free business</td></tr>
<tr><td>Economic impact</td><td><table><tr><th>Total Expenditure (Rs)</th><th>Total Income (Rs)</th><th>Net Income (Rs)</th></tr><tr><td>7,45,550.00</td><td>21,51,250.00</td><td>14,05,700.00</td></tr></table></td></tr>
<tr><td>Social impact</td><td>Sri Sanjeev Kr. Singh is an icon of vegetable production of his area.</td></tr>
<tr><td>Environmental impact</td><td>Drip Irrigation conserves soil moisture and maintained water table.</td></tr>
<tr><td>Horizontal/ Vertical spread</td><td>He grows vegetables traditionally and in poly house also.</td></tr>
</table>

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

Sl. No.	Name/ Title of the technology	Name/ Details of the Innovator(s)	Brief details of the Innovative Technology
-	-	-	-

3.9. a. 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)

Sl. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK
1.	Vegetables crop	Developed Bio-pesticide from New Leaf Bhat, Cow urine, Neem leaf, Marigold leaf, Lemon leaf, Papaya leaf ,Dathra leaf, leaf of Sitaphal, Leaf of bel, leaf of tulshi leaf of mango, in ratio 200 lit. of water and 1 Kg each leaf Decomposed about 45 day to prepare Bio-agent.	Organic farming
2.	Vegetable crop	Seedling growing in tunnel and covered with polythene cap	Protected cultivation

b. Give details of organic farming practiced by the farmer

Sl. No.	Crop / Enterprise	Area (ha)/ No. covered	Production	No. of farmers involved	Market available (Y/N)
1	Fruit and vegetable	6	900 q	4	Y

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

Sl. No.	Brief details of the tool/ methodology followed	Purpose for which the tool was followed
1	PRA	,Bench Mark Survey,Doubling Farmers Income village selection, DFI network Project, CRA base line survey

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

Sl. No	Name of the Equipment	Qty.
1.	MSTL	1
2.	Mridaparishak	1

3.11.b. Details of samples analyzed so far:

Number of soil samples analyzed		
Through mini soil testing kit/labs	Through soil testing laboratory	Total
-	-	-

3.11.c Detail of Soil, Water and Plant analysis at KVK

Sl.	Analysis	No. of Samples analyzed	No. of Villages	No. of Farmers	Amount realized (Rs.)
1.	Soil				
2.	Water				
3.	Plant				
4.	Fertilizers				
5.	Manures				
6.	Food				
7.	Others (if any)				

3.11.d. Details on World Soil Day

Sl. No.	Activity	No. of Participants	No. of VIPs	Name (s) of VIP(s)	Number of Soil Health Cards distributed	No. of farmers benefitted
01	5.12.2021	53	0	0	40	53

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 (No.)	Visit by the officials (No.)
2	15	0	636	16

3.13. Technology week celebration

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

3.14. RAWE/ FET programme - is KVK involved? (Y)

No of student trained	No of days stayed
13	90

ARS trainees trained	No of days stayed
-	-

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

Date	Name of the person	Purpose of visit
27.01.2021	Shri Shilajeet Singh , PD ATMA, Siwan	Scientist – farmer interaction
05.02.2021	Dr Shambhu Kumar, Director CPRI- Patna	Field visit
12.02.2021	Dr. M.S. Kundu (DEE, Dr RPCAU,Pusa, Samastipur), Shilajeet Singh PD ATMA Siwan, Jairam Pal DAO, Siwan	Kisan Mela at KVK
02.03.2021	Dr. M.S. Kundu (DEE, Dr RPCAU,Pusa, Samastipur) Shilajeet Singh PD ATMA Siwan, Dr Ravi Prasad Maurya Senior Scientist & Head KVK Balia	SAC, Meeting
02.07.2021	Dr N K Singh (ADR ,Dr RPCAU,Pusa, Samastipur)	Field visit regarding CRA
16.09.2021	Dr. M.S. Kundu (DEE, Dr RPCAU,Pusa, Samastipur), Jairam Pal DAO, Siwan	SAC, Meeting
17.09.2021	Janardan Singh Sigriwal, (MP, Maharajganj)	Poshan Maah And Tree Plantation
28.09.2021	Mrs. Kavita Singh (MP, Siwan)	Live telecast of Hon'ble PM
16.12.2021	Sri Awadesh Pandey (MP representative)	Live telecast of Hon'ble PM

4. IMPACT

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

Name of specific technology/skill	No. of	% of	Change in income (Rs.)

transferred	participants	adoption	Before (Rs./Unit)	After (Rs./Unit)
Mushroom Cultivation	215	07	0	54000.00
Bee keeping	37	10	0	45000.00
Zero tillage	31	46	27000	35000.00
DSR	71	32	36000	55000.00
Tailoring and stitching	72	15	0	62000.00
Seed production	200	10	25000	55000.00
Plant propagation	205	12	0	50000.00
Machination	50	40%	20000	42000.00

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
HYV	35%
Seed treatment	55%
GAP	50%
Seed replacement rate	25%

Give information in the same format as in case studies
4.3. Details of impact analysis of KVK activities carried out during the reporting period

Sl. No.	Brief details of technology	Impact of the technology in subjective terms	Impact of the technology in objective terms
-	-	-	-

4.4. Details of innovations recorded by the KVK

Thematic area	Management of salinity affected soil with manure and minimum tillage.
Name of the Innovation	Shree Surendra Rai, Goianar, B. Hat, Siwan.
Details of Innovator	Canal irrigated area was more saline.
Back ground of innovation	Used well water in place of run off ponded water.
Technology details	Poor farmer cannot do without institutional support.
Practical utility of innovation	

4.5. Details of entrepreneurship development

Entrepreneurship development	
Name of the enterprise	Mushroom production
Name & complete address of the entrepreneur	Sri Rama Shankar Sah , S/O Late Mitthoo Sah, Village –

	Sarauti, Block- Pachrukhi
Role of KVK with quantitative data support:	1.Training 2.Availability of spawn
Timeline of the entrepreneurship development	Immediately of the training
Technical Components of the Enterprise	Availability of spawn
Status of entrepreneur before and after the enterprise	Before- Unemployed poor fellow After- Respectful earning for livelihood
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	Raw materials availability- With the help of KVK Labour availability- Self engagement Consumer preference- As per need Marketing- Local purchaser Economic viability- Significantly viable
Horizontal spread of enterprise	Gradual dissemination

4.6. Any other initiative taken by the KVK

5. LINKAGES

5.1. Functional linkage with different organizations

Name of organization	Nature of linkage
1.Dr.RPCAU, Pusa	Technical guidance of training & extension activities.
2.DAO, Siwan	Joint implementation of training programme, diagnostic team visits, Demonstration & Research
3.ATMA, Siwan	Joint implementation of training programme, diagnostic team visits, OFT, FLD,Demonstration & Research
4.NFL	Awareness camp, motivational trainings and technical guidance
5.IFFCO	Technical guidance in field day, trainings and demonstrations.
6.JDA,Saran	Training and workshop
7. BAMETI, Patna	Climate change training
8. NABARD	Training to farmers club of NABARD, Siwan.
9.PPL	Awareness programme and training
10.PARIVARTAN, NGO	Kisan mela,& awareness programme
11.Sugar factory, Sindholia	Awareness programme and training
12.Nehru Yuva Kendra, Siwan	Awareness programme and training
13.RSETTI, Siwan	Awareness programme and training
14.GADA	Awareness programme and training
15.DHO, Siwan	Awareness programme and training
16. JIVEEKA	Training
NRC LITCHI, Muzaffarpur	Training

5.2. List of special programmes undertaken during 2021 by the KVK, which have been financed by ATMA/ Central Govt/ State Govt./NABARD/NHM/NFDB/Other Agencies **(information of previous years should not be provided)**

a) Programmes for infrastructure development

Name of the programme/ scheme	Purpose of programme	Date/ Month of initiation	Funding agency	Amount (Rs.)
Climate Resilient Agriculture Programme (CRA Programme)	Climate Resilient agriculture Technology demonstrations	2020	Bihar Government	-

(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.)
Assessment Refinement Validation Adoption	Assessment Refinement Validation Adoption	2020-21	ATMA Siwan	75000
Assessment Refinement Validation Adoption	Assessment Refinement Validation Adoption	2021-22	ATMA Siwan	75000
Furniture and Instrument	Furniture and Instrument	2021-22	ATMA Siwan	100000

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.	Vermi Compost	2010	60	-		250q			Used in the farm
2.	Azolla Unit	2016	25	-		15kg			For demo.
3.	Mushroom Unit	2014	75	-					For demo.
	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	
Paddy	July 2020	Novemb er 2020	8	Rajshree	FS	Threshin g floor			
Wheat	Decem ber 2020	Crop is standing	5	HD-2967	FS	Standing in the field			
Lentil	Novem ber 2020	Crop is standing	1.5	HUL-57	FS				
Rape seed and mustard	Decem ber 2020	Crop is standing	1.5	R- Suflam	TL				
Pigeon pea	August 2020	Crop is standing	1	NDA-1	FS				
Potato	Novem ber 2020	Crop is standing	1	Kufri Chipsona and Sinduri	FS				

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

Sl. No.	Name of the Product	Qty. (Kg)	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
1.	-	-	-	-	-

6.4. Performance of instructional farm (livestock and fisheries production)

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

6.5. Utilization of hostel facilities

Accommodation available (No. of beds)

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
-	-	-	-
-	-	-	-
-	-	-	-
Total :			

(For whole of the year)

6.6 Utilization of staff quarters

Whether staff quarters has been completed: yes
No. of staff quarters: 06
Date of completion: 2012

Months	Q I	QII	Q III	QIV	Q V	QVI
Sep. 2012	SS &H,all the Scientists, Staff are residing in KVK, campus since Sep.2012. Condition of PC quarter ,Scientist quarter and other Staff quarter requires repairing					

6. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
Main Account	PNB	Bhagwanpur Hat	1225002100001541
Revolving Account	PNB	Bhagwanpur Hat	1225002100001550
MMHM Account	PNB	Bhagwanpur Hat	1225002100002090
Non-ICAR Account	PNB	Bhagwanpur Hat	1225002100003248

7.2. Utilization of funds under CFLD on Oilseed *(Rs.)*

Item	Released by ICAR		Expenditure		Unspent balance as on -31.12 .2021
	Kharif	Rabi	Kharif	Rabi	
Critical input	2,20,000.00	-	209650.00	17,250.00	**-6900.00**
Field day	-	-	-	-	**-**
Publicity/Display	-	-	-	-	**-**
POL etc.	-	-	-	-	**-**
Contingency	-	-	-	-	**-**
Total	2,20,000.00	-	209650.00	17,250.00	**-6900.00**

7.3. Utilization of funds under CFLD on Pulses *(Rs.)*

Item	Released by ICAR		Expenditure		Unspent balance as on 31.12.2021
	Kharif	Rabi	Kharif	Rabi	
Critical input	-	-	24,583.00	84800.00	**-1,09,383.00**
Field day	-	-	-	-	**-**
Publicity/Display	-	-	-	-	**-**
POL etc.	-	-	-	-	**-**
Contingency	-	-	-	4000.00	**-4000.00**
Total	-	-	24,583.00	88,800.00	**-1,13,383.00**

7.4. Utilization of KVK funds during the year 1st April to 31st Dec. 2021 (Not audited)

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	1,10,00,000.00	-	-
2	HRD	30,000.00	30,000.00	
3	Traveling allowances	42000.00	42000.00	-
4	Contingencies			
A	Stationary, telephone, postage and other expenditure on office running, publication of newsletter/SCSP (Capital+ contingency)			
B	PoL, repair of vehicles, tractor and equipment	500000.00	500000.00	2,81,810.45
C	Training of farmers (Meals/refreshment of trainees)			
D	Training of extension functionaries	200000.00	200000.00	78,730.00
E	FLD	100000.00	100000.00	5750.00
F	OFT	75000.00	75000.00	33,380.00
G	Maintenance of building	50000.00	50000.00	32,760.00
H	Kisan Sammelan /Mela/Gosthi	50000.00	50000.00	-
TOTAL (A)		1,20,47,000.00	10,47,000.00	4,32,430.45
B	Swachhta Expenditure	20000.00	-	-
TOTAL (A+B)		**1,20,67,000.00**	**10,47,000.00**	**4,32,430.45**
C. Non-Recurring Contingencies				
1	Equipment			
TOTAL (C)		-	-	-
C. REVOLVING FUND		**-**	**-**	**9,66,087.74**
GRAND TOTAL (A+B+C)		**1,20,67,000.00**	**10,47,000.00**	**13,98,518.19**

7.5. Status of **Revolving fund** (Rs. in lakh) for last three years

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year (Kind + cash)
2018	11,52,185.00	15,53,870.00	9,14,123.78	17,91,931.22
2019	17,91,931.22	7,23,168.00	10,38,747.14	14,76,352.08
2020	14,46,352.08	13,92,334,.00	16,50,457.50	12,18,228.58
2021	12,18,228.58	16,92,399.00	9,66,087.74	19,44,539.84 (As on 31. 12. 2021)

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
(iii) Details of marketing channels created for the SHGs

7.7. Joint activity carried out with line departments and ATMA

Name of activity	Number of activity	Season	With line department	With ATMA	With both
Scientist farmer interaction	03	Central Government	-	ATMA Siwan	
Poshan Maah	Sept. 2021	Central Government	-	-	Both

8. Other information

8.1. Prevalent diseases in Crops

Name of the disease	Crop	Date of outbreak	Area affected (in ha)	% Commodity loss	Preventive measures taken for area (in ha)
False smut	Paddy	October- November	80	90	-
Red rot	Sugarcane	July- August	40	85	
Die back	Mango	October	20	88	
Khaira	Paddy	August	80	10	

8.2. Prevalent diseases in Livestock/Fishery

Name of the disease	Species affected	Date of outbreak	Number of death/ Morbidity rate (%)	Number of animals vaccinated	Preventive measures taken in pond (in ha)
-	-	-	-	-	-

9.1. Nehru Yuva Kendra (NYK) Training

Title of the training programme	Period		No. of the participant		Amount of Fund Received (Rs)
	From	To	Male	Female	
-	-	-	-	-	-

9.2. PPV & FR Sensitization training Programme

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

-	-	-	-	-

9.3. ***mKisan*** Portal (National Farmers' Portal/ SMS Portal)

Type of message	No. of messages	No. of farmers covered
Crop	-	-
Livestock	-	-
Fishery	-	-
Weather	-	-
Marketing	-	-
Awareness	-	-
Training information	-	-
Other	-	-
Total	-	-

9.4. *KVK* Portal and Mobile App

Sl. No.	Particulars	Description
1.	No. of visitors visited the portal	-
2.	No. of farmers registered in the portal	-
3.	Mobile Apps developed by KVK	
4.	Name of the App	-
5.	Language of the App	-
6.	Meant for crop/ livestock/ fishery/ others	-
7.	No. of times downloaded	-

9.5 Kisan Mobile Advisory Services (KMAS)

Sl. No.	Discipline	No. of Advisories	No. of Messages (SMSs)	No. of Farmers
1.	Plant Breeding	825	105	950
2.	Horticulture	925	85	1050
3.	Agricultural Engineering	812	92	1250
4.	Plant Protection	875	72	925

9.6. a. Observation of Swachha Bharat Programme/Pakhwara

Date/ Duration of Observation	Activities undertaken	No. of Participants			
		Staffs	Farmers	Others	Total
08.10.2021	Cleaning, Awareness programme	08	253	-	261
24.10.2021	Cleaning, Awareness programme	05	171	-	176
29.10.2021	Cleaning, Awareness programme	02	51	-	53

b. Details of Swachhta activities with expenditure

Activities	**Number**	**Expenditure (in Rs.)**
1. Digitization of office records/ e-office	03	
2. Basic maintenance	24	
3. Sanitation and SBM	09	

4. Cleaning and beautification of surrounding areas	12	
5. Vermicomposting/ Composting of biodegradable waste management & other activities on generate of wealth for waste	07	
6. Used water for agriculture/ horticulture application	02	
7. Swachhta Awareness at local level	18	
8. Swachhta Workshops	02	
9. Swachhta Pledge	286	
10. Display and Banner	28	
11. Foster healthy competition	02	
12. Involvement of print and electronic media	04	
13. Involving the farmers, farm women and village youth in the adopted villages (no of adopted village)	80	
14. No. of Staff members involved in the activities	56	
15. No of VIP/VVIPs involved in the activities	08	
16. Any other specific activity (in details)	Plantation in KVK, campus by Hon'ble MP Siwan & Maharajganj	
Total		**30000.00**

9.7. Observation of National Science day

Date of Observation	Activities undertaken
28.02.2021	Lectures, science quiz and debate

9.8. Programme with Seema Suraksha Bal/ BSF

Title of Programme	Date	No. of participants
-	-	-

9.9. Agriculture Knowledge in rural school

Name and address of school	Date of visit to school	Areas covered	Teaching aids used
S S High School Bhagwanpur Hat, Siwan	13.03.2021	Importance of agriculture	Banner, leaflet pamphlet, Demonstration

Give good quality 1-2 photograph(s)

9.10. Details of '*Pre-Rabi Campaign'* Programme

Date of programme	No. of Union Ministers attended the programme	No. of Hon'ble MPs (Loksabha/ Rajyasabha) participated	No. of State Govt. Ministers	Participants (No.)							Coverage by Door Darshan (Yes/No)	Coverage by other channels (Number)
				MLAs Attended the programme	Chairman ZilaPanchayat	Distt. Collector/ DM	Bank Officials	Farmers	Govt. Officials, PRI members etc.	Total		
-	-	-	-	-	-	-	-	-	-	-	-	-

9.11. Details of Swachhta Hi Sewa programme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1.	09	05	600	04	MP Siwan & Maharajganj, representative, BDO, BAO

9.12. Details of Mahila Kisan Divas programme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	Mahila Kisan Diwas	05	156	02	SHO, ZILA Parsad

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

Sl. No	Name	Address	Area
1.	Sri Tarakant Prasad	At+PO-Mirjumla, Block- Bhagwanpur Hat, Siwan	Vegetable cultivation
2.	Sri Sanjiv Kr. Singh	At-PO- Kala Dumara, Goreyakothi, Siwan	IFS
3.	Sri Gaurav Kumar	At+PO- Madarpur, Lakarinabiganj, Siwan	Vegetable cultivation
4.	Sri RamasankarSah	At+PO – Sarauti, Pachrukhi, Siwan	Mushroom
5.	Sri Awadesh Prasad	At+POSohailpatti, Basantpur, Siwan	IFS
6.	Sri Rajesh Kumar	At+PO+ Block-Bhagwanpur Hat, Siwan	Vegetable Cultivation
7.	Sri Suresh Prasad	At+PO- Karpaliya, Goreyakothi, Siwan	Fruit and vegetable
8.	Sri Rameqbal Prasad	At+PO- Ratanpura, Maharajganj, Siwan	Vegetable
9.	Mrs Baby Kumari	At+PO- Sondhani, Bhagwanpur Hat, Siwan	Tailoring and Stitching

10.	Sri Mukesh Kumar	At+PO- Kailgarh, Barhariya Siwan	Vegetable cultivation
11.	Sri Kamlesh Kumar	At+PO- Gangpur, Siswan	Boat mounted irrigation system
12.	Sri Ram Ayodhya Prasad	At+PO- Sadiha, Bhagwanpur Hat, siwan	Organic farming, Mushroom Cultivation
13.	Sri ShambhuNath Singh	At+PO- Bhopatpur Bharatiya, Lakrinaviganj	Sugarcane Cultivation
14.	Sri RamendraSah	At+Po- Mohammadpur, Bhagwanpur Hat	Vegetable cultivation, Poly tunnel
15.	Sri Surendra Singh	At+Po- Chorauli, Bhagwanpur Hat, Siwan	Seed production
16.	Mahanth Yogendra Das	At+Po- Chainpur Mubarakpur, Siswan, Siwan	Vegetable cultivation

9.14. Revenue generation

Sl.No.	Name of Head	Income(Rs.)	Sponsoring agency
1.	Revolving	19,44,539.84 (As on 31. 12. 2021)	KVK

9.15. Resource Generation:

Sl.No.	Name of the programme	Purpose of the programme	Sources of fund	Amount (Rs. lakhs)	Infrastructure created
1.	IFS	IFS Model	ATMA	**275000.00**	
2.	Furniture & others	Kisan Ghar furniture and other facility	ATMA		

9.16. Performance of Automatic Weather Station in KVK

Date of establishment	Source of funding i.e. IMD/ICAR/Others (pl. specify)	Present status of functioning
27.03.2012	IMD	Non functional

9.17. Contingent crop planning

Name of the state	Name of district/KVK	Thematic area	Number of programmes organized	Number of Farmers contacted	A brief about contingent plan executed by the KVK
Bihar	Siwan	Production and Management Technology	5	100	KVK, has prepared contingent plane for Siwan district and delivered guidelines to DAO, PD, DHO, BAO, Agricultural coordinator, Kisan Salahakar, ATM, BTM for successful management in water logged situation prevailing during 2021

10. Report on Cereal Systems Initiative for South Asia (CSISA)

a) Year:
b) Introduction / General Information:

Experiment	Title	Objective	Treatment details	Date of sowing	Replication	Result with photographs
Experiment 1	-	-	-	-	-	-
Experiment 2	-	-	-	-	-	-
Experiment 3	-	-	-	-	-	-
…	-	-	-	-	-	-
..	-	-	-	-	-	-
Others (If any)	-	-	-	-	-	-

11. Details of TSP

a. Achievements of physical output under TSP during 2021

Sl.	**Activities**	**Physical Achievement**	
1)	Trainings	No. of Trainings/Demos	No. of beneficiaries
a.	Farmer	-	-
b.	Women	-	-
c.	Rural Youths	-	-
d.	Extension Personnel	-	-
2)	OFT	No. of OFTs	No. of beneficiaries
3)	FLD	No. of FLDs	No. of beneficiaries
		4	60
4)	Mobile agro- advisory to farmers	No. of advisory	No. of beneficiaries
		150	150
5)	Other activities		
a.	Participants in extension activities (No.)	-	
b.	Production of seed (q)	-	
c.	Production of Planting material (No. in lakh)	-	
d.	Production of Livestock strains (No. in lakh)	-	
e.	Production of fingerlings (No. in lakh)	-	
f.	Testing of Soil, water, plant, manures samples (Nos.)	-	
g.	Asset creation (Number; Sprayer, ridge maker, pump set, weeder etc.)	-	
h.	No. of other programmes (Swachha Bharat Abhiyaan, Agriculture knowledge in rural school, Planting material distribution, Vaccination camp etc.)	-	

b. Fund received under TSP in 2017-18 (Rs. In lakh):

c. Achievements of physical outcome under TSP during 2017-18

Sl. No.	Description	Unit	Achievements
1	Change in family income	%	-

2	Change in family consumption level	%	-
3	Change in availability of agricultural implements/ tools etc.	No. per household	-

d. Location and Beneficiary Details during 2017-18

District	Sub-district	No. of Village covered	Name of village(s) covered	ST population benefitted (No.)		
				M	F	T
-	-	-	-	-	-	-

12. Details of SCSP

Sl.	**Activities**	**Physical Achievement**	
1)	Trainings	No. of Trainings/Demos	No. of beneficiaries
a.	Farmer		
b.	Women		
c.	Rural Youths		
d.	Extension Personnel		
2)	OFT	No. of OFTs	No. of beneficiaries
3)	FLD	No. of FLDs	No. of beneficiaries
		3	
4)	Mobile agro- advisory to farmers	No. of advisory	No. of beneficiaries
		120	120
5)	Other activities		
a.	Participants in extension activities (No.)		
b.	Production of seed (q)	31.25q.	
c.	Production of Planting material (No. in lakh)		
d.	Production of Livestock strains (No. in lakh)		
e.	Production of fingerlings (No. in lakh)		
f.	Testing of Soil, water, plant, manures samples (Nos.)		

13. Progress report of NICRA KVK (Technology Demonstration component) during the period (Applicable for KVKs identified under NICRA)

Natural Resource Management

Name of intervention undertaken	Numbers under taken	No of units	Area (ha)	No of farmers covered / benefitted									Remarks
				SC		ST		Other		Total			
				M	F	M	F	M	F	M	F	T	
-	-	-	-	-	-	-	-	-	-	-	-	-	-

Crop Management

Name of intervention undertaken	Area (ha)	No of farmers covered / benefitted									Remarks
		SC		ST		Other		Total			
		M	F	M	F	M	F	M	F	T	
-	-	-	-	-	-	-	-	-	-	-	-

Livestock and fisheries

Name of intervention undertaken	Number of animals covered	No of units	Area (ha)	No of farmers covered / benefitted									Remarks
				SC		ST		Other		Total			
				M	F	M	F	M	F	M	F	T	
-	-	-	-	-	-	-	-	-	-	-	-	-	-

Institutional interventions

Name of intervention undertaken	No of units	Area (ha)	No of farmers covered / benefitted									Remarks
			SC		ST		Other		Total			
			M	F	M	F	M	F	M	F	T	
-	-	-	-	-	-	-	-	-	-	-	-	-

Capacity building

Thematic area	No of Courses	No of beneficiaries								
		SC		ST		Other		Total		
		M	F	M	F	M	F	M	F	T
-	-	-	-	-	-	-	-	-	-	-

Extension activities

Thematic area	No of activities	No of beneficiaries								
		SC		ST		Other		Total		
		M	F	M	F	M	F	M	F	T
-	-	-	-	-	-	-	-	-	-	-

Detailed report should be provided in the circulated Performa

14. a) Awards/Recognition received by the KVK in year 2021

Sl. No.	Name of the Award	Conferring Authority	Amount	Purpose
1.	Best KVK Award	Dr RPCAU, Pusa	-	Best KVK under Dr RPCAU Pusa

b) Award received by Farmers in year 2021

Sl. No.	Name of the Award	Name of the Farmer	Year	Conferring Authority	Amount	Purpose
1.	Innovative Farmer's Award	Sri Mukesh Kumar	2020-21	Dr.RPCAU, Pusa	5000	Encouragement
	Kisan Shree			ATMA	10,000.00	Encouragement
2.	Kisan Shree	Ram Ayodhya Prasad		ATMA	10,000.00	Encouragement

3.	Kisan Shree	Tarakant Prasad		ATMA	10,000.00	Encouragement
4.	Kisan Shree	Laxman Prasad		ATMA	10,000.00	Encouragement

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

16. Number of commodity based organizations/ farmers' cooperative society/ FPO formed/ associated with during last one year (Details of the group/society may be indicated)

Sl. No.	Name of the organization/ Society	Trust Deed No.& date	Date of Trust Registration Address	Proposed Activity	Commodity Identified	No. of Members	Financial position (Rupees in lakh)	Success indicator

17. Integrated Farming System (IFS)

A) Details of KVK Demo. Unit

Sl. No.	Module details (Component-wise)	Area under IFS (ha)	Production (Commodity-wise)	Cost of production in Rs. (Component-wise)	Value realized in Rs. (Commodity-wise)	No. of farmer adopted practicing IFS	% Change in adoption during the year

B) Activities under IFS

Sl. No.	Component Name	No. of Components established	Area (ha)	No. of Activities		No. of farmers benefited	
				Demo	Training	Demo	Training
1.							
2.							
3.							

18. Technologies for Doubling Farmers' Income

Sl. No.	Name of the Technology	Brief Details of Technology (3- 5 bullet points)	Net Return to the farmer (Rs.) per ha per year due to the technology	No. of farmers adopted the technology in the district	One high resolution 'Photo' in 'jpg' format for each technology
1	DSR	Low cost of cultivation, less irrigation, short days crop, higher yield	15000.00	153	
2	Zero tillage		17000.00	1214	
3	Seed/ Planting Material production		30,000.00	95	
4	Mushroom Production		10,000.00	15	

19. Report on Digital Farming Initiatives in Agriculture/ Digital Ag. Extension Service

Phase	Database prepared/ covered for		KVK level Committee		Various activity conducted for farmers
	Total no. of villages	Total no. of farmers	Date of formation	Name of members	
I (up-to 15.03.2018)					
II (up-to 24.04.2018)					
Total					

20. Information on Visit of Ministers to KVKs, if any

Date of Visit	Name of Hon'ble Minister	Name of Ministry	Salient points in his/ her observation (2-3 bulleted points)

21. a) Information on **ASCI** Skill Development Training Programme, if undertaken during 2017-18, 2019, 2020 and 2021

Year	Name of the Job role	Name of the certified Trainer of KVK for the Job role	Date of start of training	Date of completion of training	No. of participants	Whether uploaded to SDMS Portal (Y/N)	Fund utilized for the training (Rs.)
2017-18							
2019							
2020	Quality seed grower, Assistant gardener	Dr. R K Mandal and Dr. Barun	February, 2020	March, 2020	20+20=40	-	3,60,000.00
2021	Quality seed grower,	Dr. R K Mandal and Dr. Barun	February, 2020	March, 2020	20	-	2,25,000.00

b) Information on Skill Development Training Programme (**Other than ASCI or less than 200 hrs**., if any) if undertaken during 2021

Thematic area of training	Title of the training	Duration (in hrs.)	No. of participants									Fund utilized for the training (Rs.)
			SC		ST		Other		Total			
			M	F	M	F	M	F	M	F	T	
-	-	-	-	-	-	-	-	-	-	-	-	-

22. Information of NARI Project (if applicable)

Name of Nodal Officer	No. of OFT on specified aspects	Title(s) of OFT	No. of FLD on specified aspects	No. of capacity development programme on specified aspects	Total no. of farm women/ girls involved in the project	Details of Issues related to gender mainstreaming addressed through the project
Dr Anuradha Ranjan Kumari	-	-	04	08	589	Backyard/Kitchen garden , Value addition

Progress Information of NARI Project

a. Details of established Nutrition Garden in Nutri-Smart village

Sl.	Name of Nutri-Smart Village	Type of Nutrition Garden	Number	Area (sqm)	No. of beneficiaries
1.	Bherbania	Kitchen garden/ Community garden	01	200	50
2.	Arua	Kitchen garden/ Community garden	01	200	50
3.	Rampur Lauwa	Kitchen garden/ Community garden	01	200	50
4.	Khushpur	Kitchen garden/ Community garden	01	200	50
5.	Chaourali	Kitchen garden/ Community garden	01	200	50
TOTAL			05	1000	250

b. Details of Bio-fortified crops in Nutri-Smart village

Name of Nutri-Smart Village	Season	Activity (OFT/FLD)	Category of crop (cereal/ pulses/oilseed/ fruits & veg./ others	Name of Crop	Variety	Area (ha)	No. of benefi-ciaries
Bherbania	RABI	FLD	Vegetable & fruit		Ranchi, Red Lady,Shahi,Allahabad Safeda,Amrapali,PKM-1		120
Arua	RABI	FLD	Vegetable & fruit		Ranchi, Red Lady,Shahi,Allahabad Safeda,Amrapali,PKM-1		120
Rampur Lauwa	RABI	FLD	Vegetable & fruit		Ranchi, Red Lady,Shahi,Allahabad Safeda,Amrapali,PKM-1		120
Khushpur	RABI	FLD	Vegetable & fruit		Ranchi, Red Lady,Shahi,Allahabad Safeda,Amrapali,PKM-1		120
Chaourali	RABI	FLD	Vegetable & fruit		Ranchi, Red Lady,Shahi,Allahabad Safeda,Amrapali,PKM-1		122

c. Value addition in Nutri-Smart village

Name of Nutri Smart Village	Name of Crop/ veg./ fruits/ other	Name of Value added product	Activity (OFT/FLD)	No. of farmers/ beneficiaries
Chaourali	Mushroom	Dried Mushroom / Mushoom pickle	FLD	05

d. Training programmes in Nutri-Smart village

Name of Nutri Smart Village	Area of Training	No of courses	No. of beneficiaries
Bherbania ,Arua, Rampur Lauwa, Khushpur ,Chaourali	Nutri garden, Value addition, Balanced diet, Bio fortified variety	05	327

e. Extension activities under NARI Project

Name of Nutri-Smart Village	Title of Activity	No. of activities	No. of beneficiaries
Bherbania ,Arua, Rampur Lauwa, Khushpur ,Chaourali	Nutri garden, Value addition, Balanced diet, Bio fortified variety	04	247

23. Activities under KSHAMTA

Number of Adopted Villages	No. of Activities		No. of farmers benefited	
	Demo	Training	Demo	Training
-	-	-	-	-

24. Information on Krishi Kalyan Abhiyan Phase- I/ Phase-II/ Phase-III, if applicable

Krishi Kalyan Abhiyan- I/II

A. Training

Name of programme	***No. of programmes***	***No. of farmers benefitted***									***No. of officials attended the programme***
		SC		***ST***		***Others***		***Total***			
		M	***F***	***M***	***F***	***M***	***F***	***M***	***F***	***T***	
KKA-I	-	-	-	-	-	-	-	-	-	-	-
KKA-II	-	-	-	-	-	-	-	-	-	-	-

B. Distribution of seed/ planting materials/ input/ others

Name of programme	No. of Programme	Total quantity distributed				No. of farmers benefited									No. of other officials (except KVK) attended the programme
		Seed (q)	Planting material (lakh)	Input (kg)	Other (kg/ No.)	SC		ST		Others		Total			
						M	F	M	F	M	F	M	F	T	
KKA-I	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KKA-II	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

C. Livestock and Fishery related activities

Name of programme	No. of Programme	Activities performed				No. of farmers benefited									No. of other officials (except KVK) attended the programme
		No. of animals vaccinated	No. of animals dewormed	Feed/ nutrient supplements provided (kg)	Any other (Distribution of animals/ birds/ fingerlings) [No.]	SC		ST		Others		Total			
						M	F	M	F	M	F	M	F	T	
KKA-I	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KKA-II	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

D. Other activities

Name of programme	Activities	No. of farmers benefited									No. of other officials (except KVK) attended the programme
		SC		ST		Others		Total			
		M	F	M	F	M	F	M	F	T	
KKA-I	Soil Health Card Distributed	-	-	-	-	-	-	-	-	-	-
	NADEP Pit established	-	-	-	-	-	-	-	-	-	-
	Farm implements distributed	-	-	-	-	-	-	-	-	-	-
	Others, if any	-	-	-	-	-	-	-	-	-	-
KKA-II	Soil Health Card Distributed	-	-	-	-	-	-	-	-	-	-
	NADEP Pit established	-	-	-	-	-	-	-	-	-	-
	Farm implements distributed	-	-	-	-	-	-	-	-	-	-

	Others, if any	-	-	-	-	-	-	-	-	-	-

Krishi Kalyan Abhiyan- III

No. of villages covered	No. of animal inseminated	No. of farmers benefitted									Any other, if any (pl. specify)
		SC		ST		Others		Total			
		M	F	M	F	M	F	M	F	T	
-	-	-	-	-	-	-	-	-	-	-	-

25. Any other programme organized by KVK, not covered above

Sl. No.	Name of the programme	Date of the programme	Venue	Purpose	No. of participants
1	Kisan Mela at KVK	12-14 February 2021	KVK Siwan	Demonstration exhibition of technology	1925

26. Good quality action photographs of overall achievements of KVK during the year (best 10)

***

12th SAC meeting

Director CPRI, Patna visiting the plot of potato

E Choupal on nutritional garden

Field visit of Maize crop

Field visit of Zero tillage wheat plot by farmers

Hon'ble MP Maharajganj inaogurating Poshan Maah and Vriksha Ropan Abhiyan

Hon'ble MP Siwan distributing plants to farmers

Hon'ble VC and Director ATARI visiting the KVK stall of Kisan Mela 2020-21

Inauguration of Kisan Mela 2020-21 at KVK, Bhagwanpur Hat, Siwan

Innovative Farmers Award and Best KVK Award 2020

Intercropping with Maize + Potato

SS&H KVK, Siwan receiving Best KVK Award from Hon'ble VC DR.RPCAU,Pusa

Training on cutting and Stitching

Visit of Hon'ble DEE to CRA plot