

# PROFORMA FOR PREPARATION OF ANNUAL REPORT (January-2019-December-2019)

## APR SUMMARY

(Note: While preparing summary, please don't add or delete any row or columns)

### 1. Training Programmes

Clientele	No. of Courses	Male	Female	Total participants
Farmers & farm women	114	1573	347	1920
Rural youths	08	95	45	140
Extension functionaries	03	66	03	69
Sponsored Training	06	159	0	159
Vocational Training	05	73	0	73
<b>Total</b>	<b>136</b>	<b>1966</b>	<b>395</b>	<b>2361</b>

### 2. Frontline demonstrations

Enterprise	No. of Farmers	Area (ha)	Units/Animals
Oilseeds	120	60	--
Pulses	90	50	--
Cereals	89	36.60	--
Vegetables	45	5.50	--
Other crops	44	7.20	--
Hybrid crops	--	--	--
<b>Total</b>	<b>388</b>	<b>159.3</b>	<b>--</b>
Livestock & Fisheries	--	--	--
Other enterprises	--	--	--
<b>Total</b>			<b>--</b>
<b>Grand Total</b>	<b>388</b>	<b>159.3</b>	

### 3. Technology Assessment

Category	No. of Technology Assessed	No. of Trials	No. of Farmers
<b>Technology Assessed</b>			
Crops	11	11	110
Livestock	--	--	--
Various enterprises	--	--	--
<b>Total</b>	<b>11</b>	<b>11</b>	<b>110</b>

### 4. Extension Programmes

Category	No. of Programmes	Total Participants
Extension activities	631	4332
Other extension activities	84	--
<b>Total</b>	<b>715</b>	<b>4332</b>

## 5. Mobile Advisory Services

Name of KVK	Message Type	Type of Messages						Total
		Crop	Livestock	Weather	Marketing	Awareness	Other enterprise	
	Text only	41	0	0	0	20	09	70
	Voice only	0	0	0	0	0	0	0
	Voice & Text both	--	--	--	--	--	--	--
	<b>Total Messages</b>	41	0	0	0	20	09	70
	<b>Total farmers Benefitted</b>	2354733				1142992	585753	4083478

## 6. Seed &amp; Planting Material Production

	Quintal/Number	Value Rs.
Seed (q)	--	--
Planting material (No.)	3800	1900
Bio-Products (kg)	260	6250
Livestock Production (No.)	--	--
Fishery production (No.)	--	--

## 7. Soil, water &amp; plant Analysis

Samples	No. of Beneficiaries	Value Rs.
Soil	508	4660
Water	525	4190
Plant		
<b>Total</b>	<b>1033</b>	<b>8850</b>

## 8. HRD and Publications

Sr. No.	Category	Number
1	Workshops	04
2	Conferences	01
3	Meetings	02
4	Trainings for KVK officials	01
5	Visits of KVK officials	0
6	Book published	0
7	Training Manual	0
8	Book chapters	0
9	Research papers	0
10	Lead papers	0
11	Seminar papers	01
12	Extension folder	12
13	Proceedings	0
14	Award & recognition	0
15	On going research projects	0

## DETAIL REPORT OF APR-2019

### 1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
	Office	FAX	
Krishi Vigyan Kendra, Rampura–Rewari, 123401 (Haryana)	01274- 222475	--	bbakvkrr@gmail.com

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

Address	Telephone		E mail
	Office	FAX	
Shri Bhagwat Bhakti Ashram, Rampura –Rewari, 123401 (Haryana)	01274- 222401	--	--

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Kapur Singh	01274-224300	9416475793	kapurrewari@gmail.com

#### 1.4. Year of sanction: 1983

1.5. Staff Position (as on 31<sup>st</sup> December, 2019)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent / Temporary	Category (SC/ST/OBC/ Others)	Mobile no.	Age	Email id
1	Programme Coordinator	Dr. Kapur Singh	Programme Coordinator	Plant Pathology (Ph D)	37400-67000+9000	70185/-	02.02.01	Permanent	OBC	9416475793	52	kapurrewari@gmail.com
2	Subject Matter Specialist	Sh. V. J. Singh	Subject Matter Specialist	Agronomy (M. Sc.)	15600-39100+5400	38418/-	10.10.95	Permanent	Other	9416214811	53	jeetm67@gmail.com
3	Subject Matter Specialist	Dr. Pramod Kumar	Subject Matter Specialist	Horticulture (Ph D)	15600-39100+5400	31763/-	24.07.95	Permanent	OBC	8930820968	54	pkyrn@gmail.com
4	Subject Matter Specialist	Vacant	Subject Matter Specialist	Animal Sci.	15600-39100+5400	--	--	--	--	--	--	--
5	Subject Matter Specialist	Vacant	Subject Matter Specialist	Agri. Extn.	15600-39100+5400	--	--	--	--	--	--	--
6	Subject Matter Specialist	Er. Raj Kumar	Subject Matter Specialist	Agri. Engg. (M. Tech.)	15600-39100+5400	26601/-	27.04.2011	Permanent	OBC	9416926163	39	rajguru567@gmail.com
7	Subject Matter Specialist	Anil Kumar Yadav	Subject Matter Specialist	Soil science (M. Sc.)	15600-39100+5400	25826/-	02.07.12	Permanent	OBC	9813719455	40	anilyadav878@gmail.Com
8	Programme Assistant	Smt. Rajkumari	Programme Assistant	Home Science B.sc (Home Sc.)	9300-34800+4200	27258/-	01.05.92	Permanent	OBC	9996037744	49	rajbhatotiya@rediffmail.Com
9	Computer Programmer	Smt. Ritu Yadav	Computer Programmer	Official MCA (Comp. Sc.)	9300-34800+4200	17102/-	11.03.11	Permanent	OBC/PH	9466517139	44	rituyadav.yadav122@gmail.com
10	Farm Manager	--	--	--	--	--	--	--	--	--	--	--
11	Accountant / Superintendent	Shri Dilip Kumar	Accountant / Superintendent	Official (B.com)	9300-34800+4200	21826/-	30.11.05	Permanent	Other	8901094242	43	dilipkumar kvk@gmail.Com
12	Stenographer	Sh. Davender Kumar	Stenographer	Official (Matric)	5200-20200+2400	13720/-	01.04.95	Permanent	OBC	9466885450	49	sendavender@gmail.com
13	Driver	Vaccant	Driver	Driver	5200-20200+2000	--	--	--	--	--	--	--
14	Driver	Sh. Hariom	Driver	Driver (Middle)	5200-20200+2000	13720/-	01.06.95	Permanent	OBC	8930565377	55	--
15	Supporting staff	Sh. Narain	Supporting staff	Supporting Staff (Middle)	5200-20200+1800	11718/-	28.04.84	Permanent	OBC	8570852800	57	--
16	Supporting staff	Sh. Inderpal	Supporting staff	Supporting Staff (Middle)	5200-20200+1800	7000/-	01.12.19	Permanent	OBC	--	--	--

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

S. No.	Item	Area (ha)
1.	Under Buildings	2.8
2.	Under Demonstration Units	2.0
3.	Under Crops	13.0
4.	Orchard/Agro-forestry	3.0
5.	Others (specify)	--
	<b>Total</b>	<b>20.8</b>

**1.7. Infrastructural Development:**
**A) Buildings**

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	--	496.4	--	--	--	--
2.	Farmers Hostel	-do-	--	321.2	--	--	--	--
3.	Staff Quarters (6)	-do-	--	318.0	--	--	--	--
	1	-do-	--	79.5	--	--	--	--
	2	-do-	--	79.5	--	--	--	--
	3	-do-	--	79.5	--	--	--	--
	4	-do-	--	79.5	--	--	--	--
	5	--	--	--	--	--	--	--
4.	Demonstration Units (2)	-do-	--	--	--	--	--	--
		-do-	--	--	--	--	--	--
5	Fencing	-do-	--	--	--	--	--	--
6	Rain Water harvesting system	-do-	--	--	--	--	--	--
7	Threshing floor	--	--	--	--	--	--	--
8	Farm godown	--	--	--	--	--	--	--
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**B) Vehicles**

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Jeep	31.3.2006	4,98,741.00	6978	Good
Tractor	30.3.1998	2,85,000.00	12742 hrs	Condemned

### C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
<b>AV aids</b>			
LCD Projector	2007	89,836/-	Good
Camera	2016	25,000/-	Good
Colour T.V.	2001	22,000/-	Good
Microscope	2010	99,500/-	Good
Refrigerator	2010	40,000/-	Good
<b>Office Equipment</b>			
Computer Dell -5	2008	3,00,000/-	Good
Laptop	2007	30,680/-	Good
Photostat machine	2010	99,950/-	Good
Computer etc.(NATP)	2010	28,000/-	Good
Fax machine with printer	2010	12,590/-	Good
Auto clave Vertical	2010	60,000/-	Good
Bodinculator	2010	89,000/-	Good
Laminar Air flow	2010	64,000/-	Good
Micro oven	2010	5,300/-	Good
Hand Operated Aonla pickle machine	2013	5,262/-	Good
Soil Testing kit	2015	75,000/-	Good
Water Cooler with RO	2016	50,000/-	Good
GPS 9645 with STI	2016	19,687/-	Good
<b>Farm equipments</b>			
Cultivator	1990	7,500/-	Good
Thresher	2001	50,000/-	Good
ZT machine	2012	47,500/-	Good

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

Sl.No.	Date	Name and Designation of Participants	Salient Recommendations	Action taken
1.	16.12.2019	Hon'ble Rao Inderjit Singh ji Central Minister of State for Statistics & Programme Implementation & Planning (Independent Charge), and <b>Chairman</b> , S.A.C., KVK,Rampura-Rewari	1. ....	1. ....
2.		Dr. Vikram Yadav, Regional Director, Regional Research Station, CCS,HAU, Bawal (Distt.-Rewari)		
3		Dr. Balbir Singh, Rep. Director of Extension Education, CCSHAU, Hisar		
4		Dr. Deepak Yadav Deputy Director Agriculture, Rewari		
5		Dr. Prem Yadav District Horticulture Officer, Rewa		
6		Dr. Devender Pal Deputy Director Animal Husbandry, Rewari		
7		Dr. Pooja Yadav District Fishery Officer, Rewari		
8		Shri Jagdish Parihar, District Development Manager (NABARD) House No.G-6, Govt. Employee Society, Sec.3, Rewari		
9		Rao Ram Singh		
10		Mrs. Kusum Yadav		
11		Dr. Kapur Singh, Member Secretary		

**Note :** This yellow mark may be treated as an example

**\* Attach a copy of SAC proceedings along with list of participants**

## 2. DETAILS OF DISTRICT (2019)

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

S. No	Farming system/enterprise
1.	Agriculture + Animal Husbandry
2	Agricultural + Animal Husbandry + Horticulture

## 2.2 Description of Agro-climatic Zone & major agro ecological situations (based on soil and topography)

S. No	Agro-climatic Zone	Characteristics
1	Western Zone (HR 2)	<p><b>Climate:</b> The district falls under hot and semi-arid climatic zone with extremes of temperature (2.0°C-47°C) in months of December &amp; January are of severe cold and the months of May &amp; June are of bitter summer. Because of the touch of Rajasthan this district faces dusty storms in summer season.. Average rainfall was 300-500 mm.</p> <p><b>Soil Type:</b> The Soil texture of the district varies from sandy to loamy sand. The district has around 90.00% soils under loamy-sand texture. Being coarse textured the soils are poor in water as well as in nutrient retention. In the district, 99% soils are low in organic carbon, whereas 50.8% soils are low in P, but 90 % soils are in medium to high category of K. The soils are also deficient in S and micro-nutrients Zn and Fe to the extent of 30, 70 and 10 % respectively.</p>
2	Agro ecological situation	<b>Characteristics</b>
A.	AES – I (Comprising Jatusana & nahar Block)	The soils are loamy-sand soil having restricted tube-well water irrigation pH ranging from 8-10 with poor quality of irrigation water. The soils are generally low in N, low to medium in P&K and low to medium in Zn & Fe etc. the main cropping systems are Bajra- wheat and bajra-mustard.
B.	AES – II (Comprising Bawal, Khol and Rewari Block)	The soils are sandy to loamy sand having moderate tube-well irrigation. The soils are low in N, medium to high in P&K and low to high in Zn, Fe and S etc. The main cropping system is Bajra-wheat, Guar-Wheat and Guar-Mustard.

## 2.3 Soil type/s

S. No	Soil type	Characteristics	Area in ha
1.	<b>Loamy sand</b>	The soils are loamy-sand soil having restricted tube-well water irrigation pH ranging from 8-10 with poor quality of irrigation water. The soils are generally low in N, low to medium in P&K and low to medium in Zn & Fe etc. the main cropping systems are Bajra- wheat and bajra-mustard.	108000
2.	<b>Sandy loam</b>	The soils are sandy to loamy sand having moderate tube-well irrigation. The soils are low in N, medium to high in P&K and low to high in Zn, Fe and S etc. The main cropping system is Bajra-wheat, Guar-Wheat and Guar-Mustard.	53000

## 2.4. Area, Production and Productivity of major crops cultivated in the district

S. No	Crop	Area (ha)	Production (Qtl)	Productivity (Qtl /ha)
1	Wheat	46000	2250000	48.91
2	Mustard	66000	1510000	22.87
3	Barley	1000	50000	50.00
4	Paddy	2000	50000	25.00
5	Bajra	68000	1330000	19.55
6	Cotton	8000	230000	28.75



## 2.5. Weather data

Month	Rainfall (mm)	Temperature ° C		Relative Humidity (%)
		Maximum	Minimum	
January	13.8	18.90	5.60	66.12
February	8.3	20.60	8.20	60.07
March	6.3	25.60	10.10	56.00
April	22.5	38.52	20.40	33.62
May	17.5	39.35	21.08	32.00
June	33.0	40.54	28.86	41.5
July	186.8	35.25	27.35	51.0
August	92.3	33.8	25.92	76.5
September	33.3	32.95	24.45	73.5
October	8.3	33.13	18.60	60.37
November	--	27.54	14.80	63.9
December	21.5	17.28	6.15	80.87

## 2.6. Production and productivity of livestock, Poultry, Fisheries etc. in the district

Category	Population	Production	Productivity
<b>Cattle</b>			
<i>Crossbred</i>	36674	--	--
<i>Indigenous</i>	46522	--	--
<b>Buffalo</b>	237615	--	--
<b>Sheep</b>			
<i>Crossbred</i>	1014	--	--
<i>Indigenous</i>	8684	--	--
<b>Goats</b>	23237	--	--
<b>Pigs</b>			
<i>Crossbred</i>	1781	--	--
<i>Indigenous</i>	2688	--	--
<b>Rabbits</b>	26	--	--
<b>Poultry</b>			
Hens	1654	--	--
<i>Desi</i>	1099	--	--
<i>Improved</i>	555	--	--
Ducks	34	--	--
Turkey and others	02 & 4013	--	--

Category	Area	Production	Productivity
Fish	514.8 ha	3385 tonns	6.57 tonns/ha
<i>Marine</i>	--	--	--
<i>Inland</i>	--	--	--
Prawn	--	--	--
Scampi	--	--	--
Shrimp	--	--	--

## 2.7 Details of Operational area / Villages (2019)

Sl. No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1		Khol	Mandola, Nimoth, Manethi, Dhawana, Khaleta, Ahrod Dhani Kolana	Bajra, guar, mustard, wheat, dairying, ber, citrus, marigold, bottle guard, okra, brinjal	<ul style="list-style-type: none"> <li>Unbalanced use of fertilizer &amp; high doses of pesticides, problematic soil &amp; water</li> </ul>	<ul style="list-style-type: none"> <li>ICM, IPM, INM according to soil test bases</li> </ul>
2		Rewari	Khijuri, Nikhri, Dungarwas, Khatawali, Khaliyawas	Bajra, guar, mustard, wheat, dairying, ber, okra, bottle guard	<ul style="list-style-type: none"> <li>Unbalanced use of fertilizer &amp; high doses of pesticides, problematic soil &amp; water</li> </ul>	ICM, IPM, INM according to soil test bases
3		Nahar	Nahar, Bharangi, Kohard, Jholri, Khurshid nagar	Bajra, cotton, mustard, barley, vegetables	<ul style="list-style-type: none"> <li>Unbalanced use of fertilizer &amp; high doses of pesticides, problematic soil &amp; water</li> </ul>	<ul style="list-style-type: none"> <li>ICM, IPM, INM according to soil test bases</li> </ul>

## 2.8 Priority/thrust areas

Crop/Enterprise	Thrust area
Mustard	<ul style="list-style-type: none"> <li>Integrated pest management (IPM)</li> <li>Integrated Nutrient Management (INM)</li> <li>Weed management</li> </ul>
Wheat	<ul style="list-style-type: none"> <li>Seed treatment</li> <li>Weed management</li> <li>High yielding varieties</li> </ul>
Bajra	<ul style="list-style-type: none"> <li>Integrated Nutrient Management (INM)</li> <li>Gap filling</li> <li>Weed management</li> </ul>
Moong	<ul style="list-style-type: none"> <li>Seed treatment</li> <li>High yielding varieties</li> <li>Weed management</li> </ul>
Guar	<ul style="list-style-type: none"> <li>Integrated disease management (IDM)</li> <li>Weed management</li> </ul>
Cucurbits	<ul style="list-style-type: none"> <li>High yielding varieties</li> <li>Seedling raising and early cultivation</li> <li>Poly tunnel cultivation</li> <li>Integrated pest management (IPM)</li> </ul>
Onion	<ul style="list-style-type: none"> <li>High yielding varieties</li> <li>Nursery raising and transplanting</li> <li>Onion thrips and purple blotch management</li> </ul>
Brinjal	<ul style="list-style-type: none"> <li>High yielding varieties</li> <li>Nursery raising and transplanting</li> <li>Integrated disease management (IDM)</li> <li>Fruit and shoot borer management</li> </ul>
Tomato	<ul style="list-style-type: none"> <li>High yielding varieties</li> <li>Integrated Nutrient Management (INM)</li> <li>Integrated disease management (IDM)</li> </ul>
Okra	<ul style="list-style-type: none"> <li>Mosaic resistant high yielding varieties</li> <li>Sowing time and method</li> <li>Fruit borer management</li> </ul>
Ber	<ul style="list-style-type: none"> <li>Powdery mildew management</li> </ul>

	<ul style="list-style-type: none"> <li>Fruit fly management</li> </ul>
Aonla	<ul style="list-style-type: none"> <li>Integrated Nutrient Management (INM)</li> <li>Value addition</li> </ul>
Guava	<ul style="list-style-type: none"> <li>Integrated Nutrient Management (INM)</li> <li>Fruit fly management</li> </ul>
Citrus fruits	<ul style="list-style-type: none"> <li>Integrated Nutrient Management (INM)</li> <li>Fruit drops and splitting management</li> <li>Integrated disease management (IDM)</li> </ul>
Marigold	<ul style="list-style-type: none"> <li>High yielding varieties</li> <li>Nursery raising and transplanting</li> <li>Seed production</li> </ul>
Dairy farming	<ul style="list-style-type: none"> <li>Dairy farming</li> </ul>
Poultry farming	<ul style="list-style-type: none"> <li>Poultry farming</li> </ul>
Agricultural Engineering	<ul style="list-style-type: none"> <li>Recourse conservation technology</li> <li>Post harvest technology</li> <li>Drip and sprinkler irrigation system</li> </ul>
Agricultural Extension	<ul style="list-style-type: none"> <li>Formation of SHG and farmers' club</li> <li>Capacity building</li> <li>ICT and its application</li> </ul>
Home Science	<ul style="list-style-type: none"> <li>Tailoring and stitching</li> <li>Preservation of fruits and vegetables</li> <li>Value addition in aonla</li> </ul>

\* An example for guidance only

### 3. TECHNICAL ACHIEVEMENTS

#### 3.A. Details of target and achievements of mandatory activities by KVK during 2019

OFT (Technology Assessment)				FLD (Oilseeds, Pulses, Cotton, Other Crops/Enterprises)			
1				2			
Number of OFTs		Total no. of Trials		Area in ha		Number of Farmers	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
11	11	110	110	169.1	169.1	413	413
--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--

Training (including sponsored, vocational and other trainings carried under Rainwater Harvesting Unit)					Extension Activities			
3					4			
Number of Courses			Number of Participants		Number of activities		Number of participants	
Clientele	Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
Farmers	111	111	1897	1897	500	631	3500	4332
Rural youth	08	08	142	142	--	--	--	--
Extn. Functionaries	03	03	69	69	--	--	--	--
--	--	--	--	--	--	--	--	--

Seed Production (Qtl.)			Planting material (Nos.)		
5			6		
Target	Achievement	Distributed to no. of farmers	Target	Achievement	Distributed to no. of farmers
--	--	--	--	3800	38
--	--	--	--	--	--
--	--	--	--	--	--
--	--	--	--	--	--

## I.A TECHNOLOGY ASSESSMENT

### Summary of technologies assessed under various **crops** by KVKs

Thematic areas	Crop	Name of the technology assessed	No. of trials	No. of farmers
Integrated Nutrient Management	Bajra	<i>Integrated Nutrient Management in Pearl millet</i>	1	10
	Wheat	Micro nutrient management in wheat	1	10
	Mustard	Micro nutrient management in mustard	1	10
	Cotton	<i>Nutrient management in cotton</i>	1	10
	Ber	<i>Management of Pre-Mature fruit drop in Ber</i>	1	10
Varietal Evaluation	Wheat	<b><i>Evaluation of wheat varieties</i></b>	1	10
	Cauli flower	<b><i>Assessment of Cauli flower varieties</i></b>	1	10
Integrated Pest Management	--	--	--	--
	--	--	--	--
Integrated Crop Management	French Marigold	Assessment of sowing time in French Marigold	1	10
Integrated Disease Management	Tomato	<i>Root knot nematodes management in tomato</i>	1	10
	--	--	--	--
Small Scale Income Generation Enterprises	--	--	--	--
	--	--	--	--
Weed Management	Pea	Weed management in Pea	1	10
	--	--		
Resource Conservation Technology	--	--		
	--	--		
Farm Machineries	Wheat	<i>Enhancement of wheat yield and reduces cost of cultivation through uses of advance farm implements (M.B. plough + rotavator) in Rewari (Hry.)</i>	1	10
	--	--	--	--
Integrated Farming System	--	--	--	--
	--	--	--	--
Seed / Plant production	--	--	--	--
	--	--	--	--
Post Harvest Technology / Value addition	--	--	--	--
	--	--	--	--
Drudgery Reduction	--	--	--	--
	--	--	--	--
Storage Technique	--	--	--	--
	--	--	--	--
Others (Pl. specify)	--	--	--	--
	11			
<b>Total</b>			<b>11</b>	<b>110</b>

### Summary of technologies assessed under **livestock** by KVKs

Thematic areas	Name of the livestock enterprise	Name of the technology assessed	No. of trials	No. of farmers
Disease Management	--	--	--	--
Evaluation of Breeds	--	--	--	--
Feed and Fodder management	--	--	--	--
Nutrition Management	--	--	--	--
Production and Management	--	--	--	--
Others (Pl. specify)	--	--	--	--
<b>Total</b>				

**Summary of technologies assessed under various enterprises by KVKs**

Thematic areas	Enterprise	Name of the technology assessed	No. of trials	No. of farmers
--	--	--	--	--
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**Note:** Suppose **IPM in paddy** is the technology assessed by 50 KVKs in the Zone with 5 trials by each KVK, then IPM in paddy needs to be considered as a single technology, with  $50 \times 5 = 250$  trials and No. of KVKs will be 50. In addition, please note that even if IPM in paddy is done with various combinations of Technology Options (treatments), it may be considered as a single technology only.

**I.B. TECHNOLOGY ASSESSMENT IN DETAIL**

(From each state please include the full details of three OFTs on technology assessment under the broad thematic areas such as Integrated Crop Management, weed management, pest and disease management, nutrient management, resource conservation, livestock enterprises, Integrated Nutrient Management)

(The model for preparing the same is furnished below)

**INTEGRATED CROP MANAGEMENT**

**Problem definition:** Lower yield in wheat due to old variety

**Technology Assessed : Evaluation of** wheat varieties i.e. HD-3086 & HD-2967

KVK, Rewari in Haryana conducted on-farm trial to Assessed wheat variety HD-3086 with HD-2967(Local check) in Jeetpura village the data is revealed that HD-3086 is better than HD-2967under irrigated condition. Income Rs.75890/- & Rs.72731/- per ha respectively.

**Table Performance of wheat variety HD-3086 with HD-2967**

Technology Option	No.of trials	Yield (t/ha)	Net Returns (Rs. in lakh./ha)
HD-2967(FP)	10	55.65	72731.00
HD-3086		57.00	75890.00

## NUTRIENT MANAGEMENT

**Problem definition:** Lower productivity and profitability in Mustard cultivation due to deficiency of micro nutrients in the soil.

**Technology Assessed or Refined (as the case may be):** Micro nutrient management in Mustard

KVK, Rewari conducted on-farm trial to find out appropriate micro nutrient management practice to enhance the Mustard productivity. The **assessed or refined (as the case may be)** practice of soil application of Zinc sulphate & sulphur @ 25kg/ha. was found to be better with 16.52 % increase in yield.

**Table Assessment of Micro nutrients on the yield of mustard.**

Technology Option	No. of trials	Plant height (cm)	No. of Siliquae/plant	No. of seeds/Siliquae	Test wt.(g) 1000-grain wt.	Net Return(Rs./ha)	Yield (kg./ha)	Increase in Yield (%)	B:C Ratio
No application of Zinc sulphate and sulphur (Farmers Practice)	10	190	82.4	16.5	4.4	69908	2360	--	3.09
ZnSO <sub>4</sub> @ 25kg/ha. & Sulphur @ 25kg /ha. (Recommended Practice)		202	90.2	18.4	5.2	81363	2750	16.52	3.38

**Problem definition:** Lower productivity and profitability in Wheat cultivation due to deficiency of micro nutrients in the soil.

**Technology Assessed or Refined (as the case may be):** Micro nutrient management in Wheat

KVK, Rewari conducted on-farm trial to find out appropriate micro nutrient management practice to enhance the Wheat productivity. The **assessed or refined (as the case may be)** practice of soil application of Zinc sulphate @ 25kg/ha. & Foliar application of 0.5% Ferrous sulphate was found to be better with 15.46% increase in yield.

**Table Assessment of Micro nutrients on the yield of Wheat.**

Technology Option	No. of trials	Plant height (cm)	No. of grains/spike	Test wt.(g) 1000-grain wt.	Net Return(Rs./ha)	Yield (kg./ha)	Increase in Yield (%)	B:C Ratio
No application of Zinc sulphate and Ferrous sulphate (Farmers Practice)	10	92.5	36.6	39.4	61983	4850	--	2.17
ZnSO <sub>4</sub> @ 25kg/ha. & Ferrous sulphate @ 0.5% foliar application (Recommended Practice)		101.5	40.8	42.9	78828	5600	15.46	2.48

**Problem definition:** Lower productivity and profitability in cotton crop due to deficiency of nutrients in the soil.

**Technology Assessed or Refined (as the case may be):** Nutrient management in cotton

KVK, Rewari conducted on-farm trial to find out appropriate nutrient management practice to enhance the cotton productivity. The assessed or refined (as the case may be) practice of soil application of Nitrogen @ 175kg/ha., Phosphorus @ 60kg/ha., Potash @ 60kg/ha., & zinc sulphate @ 25 kg/ha was found to be better with 29.3% increase in yield.

**Table Assessment of nutrient management on the yield of cotton.**

Technology Option	No. of trials	Plant height (cm)	No. of Bolls/Plant	Boll weight (gm)	Net Return(Rs./ha)	Yield (kg./ha)	Increase in Yield (%)	B:C Ratio
NPKZn (58:25:0:0) (Farmers Practice)	10	105.0	28.0	4.46	57996	1875	--	2.34
NPKZn(175:60:60:25) (Recommended Practice)		118.5	35.24	4.92	82366	2425	29.3	2.70

### INTEGRATED NUTRIENT MANAGEMENT

**Problem definition:** Lower yield in Pearl millet due to imbalance application of nutrients

**Technology Assessed or Refined (as the case may be):** Integrated Nutrient Management in Pearl millet

KVK, Rewari assess the technology of integrated nutrient management by the application of compost @5ton /ha.with recommended dose of NPK(125:60:30) as balanced nutrition in Pearl Millet and found that the yield enhanced by 28 per cent with BC Ratio 2.30 compared to farmers practice.

**Table Performance of Pearl millet to integrated nutrient management**

Technology Option	No. of trials	Yield kg/ha	Net Return(Rs/ha)	Increase in Yield (%)	B:C Ratio
NPK(60:30:0)	10	22.4	28320	--	2.08
NPK (125:60:30)+5ton compost/ha.		28.7	40130	28.0	2.30

### WEED MANAGEMENT

**Problem definition:** Low yield and high heavy infestation of weed in pea

**Technology Assessed or Refined (as the case may be):** Weed control by twine hand wheel hoe on pea ones in Rewari (Hry.)

KVK Rampura-Rewari (Hry.) took up on farm trial on weed management by twine hand wheel hoe (one hoeing before 1<sup>st</sup> irrigation and 2<sup>nd</sup> after 2<sup>nd</sup> irrigation) in pea. The result indicated that the use of twine hand wheel in two times increases the yield over no weeding.

**Table Effect of twine hand wheel hoe in weed control & yield of pea**

<i>Technology Option</i>	<i>No. of trials</i>	<i>Yield (qt./ha)</i>	<i>Increase in yield (%)</i>	<i>Net Return (Rs./ha)</i>	<i>B:C Ratio</i>
No weeding (Farmers Practice)	05	23.00	--	62500	3.12
Twine Hand Wheel Hoe (Recommended Practice)		26.60	11.54	75900	3.49

### RESOURCE CONSERVATION

**Problem definition:** Lower productivity and high cost of land preparation

**Technology Assessed or Refined (as the case may be):** Enhancement of wheat yield and reduces cost of cultivation through uses of advance farm implements (M.B. plough + rotavator) in Rewari (Hry.)

KVK Rewari (Hry.) conducted on farm trial on land preparation by M.B. plough & followed by rotavator in wheat cultivation with the farmers practices only use of harrow + cultivator. The results showed that enhanced the yield by 2.25 % in Rewari along with Net profit of Rs. 105013/ha.

**Table: Effect of land preparation by M.B. plough and rotavator on wheat yield and income of yield.**

<i>Technology Option</i>	<i>No. of trials</i>	<i>Yield (t/ha)</i>	<i>Net Returns (Rs./ha)</i>	<i>BC Ratio</i>
Land preparation by Harrow+Cultivator (Farmers Practice)	05	60.08	105013	4.06
Land preparation by M.B. plough+rotavator (Recommended Practice)		62.22	111931	4.51



**Problem definition:** Less availability of machineries, lack of knowledge, lower productivity and high cost of land preparation

**Technology Assessed or Refined (as the case may be):** Enhancement of wheat yield, better seedbed and reduces cost of cultivation through uses of advance farm implements (Reversible M.B. plough) in Rewari (Hry.)

KVK Rewari (Hry.) conducted on farm trial on land preparation by reversible M.B. plough & followed by cultivator in cotton cultivation with the farmers practices only use of harrow + cultivator. The results showed that enhanced the yield by 19.90 % in Rewari along with Net profit of Rs. 52820/ha.

**Table: Effect of land preparation by M.B. plough and rotavator on wheat yield and income of yield.**

Technology Option	No. of trials	Yield (kg/ha)	Net Returns (Rs./ha)	BC Ratio
Land preparation by Harrow+Cultivator (Farmers Practice)	10	1210	37120	2.43
Land preparation by Reversible M.B. plough+rotavator (Recommended Practice)		1510	52820	3.10

### RESOURCE CONSERVATION

**Problem definition:** Low market rate of produce in main season crop

**Technology Assessed or Refined (as the case may be):** Assessment of Cauli flower varieties

KVK Rewari (Hry.) conducted on farm trial on response of early cauliflower varieties under Rewari condition. The results showed that enhanced the yield by 8.27 % in Rewari along with Net profit of Rs. 2,39,000/ha.

**Table:.**

Technology Option	No. of trials	Yield (t/ha)	Net Returns (Rs./ha)	BC Ratio
Pusa Kartik	10	14.50	215000	3.87
Pusa Ashwni		15.70	239000	4.19

### PEST AND DISEASE MANAGEMENT

**Problem definition:** Pre –mature fruits drop in Ber orchard effecting yield loss 30%

**Technology Assessed or Refined (as the case may be):** Management of Pre –mature fruit drop in Ber orchard

Ber is an important commercial crop of Southern Haryana. However, there is **Pre –mature fruits drop in Ber orchard** resulting in yield loss. KVK Rampura, Rewari conducted on-farm trial for management of **Pre –mature fruits drop in Ber orchard**. Assess technology two spray of urea(1.5%) & ZnSO<sub>4</sub>(0.5%)in the months of July & November. Reduced the **Pre –mature fruits drop** percentage from 22 to 05 and yield was increased by 20 per cent.

**Table Effect of Urea & Zinc in control of Pre –mature fruits drop**

Technology Option	No.of trials	Pre-mature Fruit drop (%)	Yield ( on/ha)	% Increase in yield over farmer's practice	Net Returns (Rs. in lakh./ha)	BC Ratio
Control (FP)	05	22	20	--	250000	2.67
Two spray of urea (1.5%) & zinc sulphate (0.5%) in the month of July & Nov. in 500 lt of water (Recommended Practice)		05	24	20%	320000	3.0

### PEST AND DISEASE MANAGEMENT

**Problem definition:** Yield loss of French Marigold due to sowing in unsuitable time

**Technology Assessed or Refined (as the case may be):** Suitable sowing times of French Marigold

Marigold is an important commercial crop of Southern Haryana. Now, area increasing of French Marigold for supplying flowers round the year. Farmers are not sowing suitable time therefore, yield loss around 20-30%. KVK, Rewari conducted on-farm trial to find out suitable times of sowing to enhance the French marigold yield. The assessed technology sowing in 1<sup>st</sup> Fortnight of September was found to better in comparison to 1<sup>st</sup> Fortnight of August. Yield increase 25 percent.

**Table Effect of Sowing time on yield of French Marigold**

Technology Option	No.of trials	Yield ( on/ha)	% Increase in yield over farmer's practice	Net Returns (Rs. in lakh./ha)	BC Ratio
Sowing in 1 <sup>st</sup> Fortnight of August (FP)	10	12	--	165000	3.20
Sowing in 1 <sup>st</sup> Fortnight of September (Recommended Practice)		15	25	250000	4.00

### PEST AND DISEASE MANAGEMENT

**Problem definition:** Heavy infestation of root knot nematodes in tomato effecting in yield loss 10%

**Technology Assessed or Refined (as the case may be):** Root knot nematodes management in tomato by adopting resistant variety its cultivation.

Tomato is an important commercial crop of Southern Haryana. However, there is high infestation of root knot nematodes resulting in yield loss. KVK Rampura, Rewari conducted on farm trials to asses the root knot nematodes resistance variety (Pusa Hybrid 2) against nematodes problem reduce percentage of nematodes infestation 3-0 and yield increase 5.28 %.

**Table Effect of resistant varieties to control root knot nematodes problem.**

<b>Technology Option</b>	<b>No.of trials</b>	<b>Infestation of root knot nematodes</b>	<b>Yield (ones/ha)</b>	<b>% Increase in yield over farmer's practice</b>	<b>B:C ratio</b>
<i>Pusa Hybrid -4 (FP)</i>	10	03	41.0	5.28	3.20
<i>Pusa Hybrid -2</i>		--	50.50	25.80	3.36

## II. FRONTLINE DEMONSTRATION

### a. Follow-up for results of FLDs implemented during previous years

List of technologies demonstrated during previous year and popularized during 2018-19 and recommended for large scale adoption in the district

S. No	Crop/ Enterprise	Thematic Area*	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
					No. of villages	No. of farmers	Area in ha
1	Carrot (P.Vrishti)	ICM	Early sowing variety and Ridge sowing methods	Early sowing variety of Carrot (P.Vrishti) and ridge sowing methods popularized in this area for early production	12	65	25
2	Onion(P.Ridhi)	ICM	Varietal nursery management and transplanting against bolting problem	Onion variety (P.Ridhi), nursery management and timely transplanting against bolting problem suggested	16	90	35
3	Guava	ICM	Inter cropping in orchard Methi (PEB)	Inter cropping suggested in orchard i.e Methi (PEB) for more production and net income	10	20	16
4	Marigold(P.Narangi)	ICM	Nursery raising, transplanting, pinching & IPM	Healthy nursery raising and transplanting of seedlings at proper time and pinching of plant 25-30 days after transplanting for more flower production	20	105	52
5	Okra (A.Anamika)	ICM	Sowing time, method and incidence against yellow vein mosaic virus	Suggested to furrow sowing method and this variety resistant to yellow vein mosaic virus under Rewari conditions	05	30	10

\* Thematic areas as given in Table 3.1 (A1 and A2)

b. **Details of FLDs implemented during 2019 (Information is to be furnished in the following three tables for each category i.e. cereals, horticultural crops, oilseeds, pulses, cotton and commercial crops.)**

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1	Carrot (P.Vrishti)	ICM	Early sowing variety and Ridge sowing methods	Rabi ,2019	2.5	2.5	--	25	25	--
2	Onion( P.Ridhi )	ICM	Varietal nursery management and transplanting against bolting problem	Rabi,2019	1.0	1.0	--	10	10	--
3	Guava	ICM	Inter cropping in orchard Methi (PEB)	Rabi, 2019	4.0	4.0	--	10	10	--
4	Marigold(P.Narangi)	ICM	Nursery raising, transplanting, pinching & IPM	Kharif, 2019	2.0	2.0	--	10	10	--
5	Okra (A.Anamika)	ICM	Sowing time, method and incidence against yellow vein mosaic virus	Kharif, 2019	2.0	2.0	--	10	10	--
6	Greengram	Crop Management	Varietal , Seed Treatment, Nutrient management & Insect pest management	Summer, 2019	20	20	--	37	37	--
7	Sesame	Crop Management	Varietal , Seed Treatment, Nutrient management &	Kharif, 2019	20	20	--	30	30	--

			Insect pest management							
8	Guar(HG-2-20)	Crop management	Varietal , Seed Treatment, Nutrient management, weed management & Insect pest management	Kharif, 2019	4	4	--	10	10	--
9	Oat (F)	Crop management	Varietal, Nutrient management	Rabi, 2019	1.2	1.2	--	24	24	--
10	Chickpea	Crop Management	Varietal , Seed Treatment, Nutrient management & Insect pest management	Rabi, 2019	30	30	--	53	53	--
11	Mustard	Crop Management	Varietal , Seed Treatment, Nutrient management, Weed management & Insect pest management	Rabi, 2019	40	40	--	90	90	--
12	Wheat (HD-2967)	Crop management	Varietal, seed treatment, Nutrient management, Weed management & Insect pest management	Rabi, 2019	8	8	--	20	20	--
13	Barley (RD-2907)	Crop management	Varietal, Nutrient management	Rabi, 2019	4.4	4.4	--	11	11	--

### Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
Greengram	Summer, 2019	Irrigated	Sandy loam	L	L	M	Mustard/Wheat	5 April to 18 April	6 June to 24 June	--	--
Sesame	Kharif, 2019	Irrigated	Loamy Sand	L	M	M	Mustard/Wheat	16 July to 18 July	27 Sep to 7 Oct.	--	--
Guar(HG-2-20)	Kharif, 2019	Irrigated	Sandy loam	L	L	M	Mustard/Wheat	14 July to 19 July	5 Oct to 12 Oct.	--	--
Oat (F)	Rabi, 2019	Irrigated	Sandy loam	L	L	M	Bajra	10 Nov. to 20 Nov	For Fodder	--	--
Chickpea	Rabi, 2019	Irrigated	Sandy loam	L	M	M	Bajra	18 Oct to 12 Nov.	20 March to 5 April	--	--
Mustard	Rabi, 2019	Irrigated	Loamy Sand	L	M	M	Bajra	06 Oct. – to 27 Oct	15 March to 25 March	--	--
Wheat (HD-2967)	Rabi, 2019	Irrigated	Loamy Sand	L	M	M	Bajra	7 Nov. to 28 Nov.	4 April to 12 April	--	--
Barley (RD-2907)	Rabi, 2019	Irrigated	Loamy Sand	L	M	M	Bajra	26 Oct. to 4 Nov.	Last March	--	--

### Technical Feedback on the demonstrated technologies

S. No	Feed Back
1	--
2	--

## Farmers' reactions on specific technologies

S. No	Feed Back
1 Summer Moong	MH-421 is better yield than local check with no. of pods/plant, pod length and weed management response to increase yield
2 Sesame	RT-351 is better yield than local check with no. of pods/plant, pod length and insect pest management in proper time to manage yield loss
3. Guar	HG-2-20 is better yield than local check with no. of bunch of pod/plant is more
4. Gram	Response of inoculation of Rhizotika with P.S.B is better than local check and seed treatment with Bavistin is better response
5. Mustard	DRMRIJ-31 is better yield than local check , more no. of siliquae/plant with length of siliqua , Response of inoculation of Rhizotika with P.S.B is better than local check and seed treatment with Bavistin is better response
6. Wheat	HD-2966 is better yield than local check with spike length and no. of grains/spike

## Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organised	Date	Number of participants	Remarks
1	Field days	Mustard	01.03.2019	64	--
		Mustard	02.03.2019	43	--
		Gram	07.03.2019	51	--
		Wheat	03.04.2019	30	--
		Barley	04.04.2019	23	--
		Summer moong	16.06.2019	27	--
		Summer moong	17.06.2019	23	--
		Sesame	18.09.2019	45	--
		Guar	25.09.2019	33	--
		Bajra	19.09.2019	39	--
2	Farmers Training	Production technology of summer moong	02 April,2019	14	--
		Production technology of summer moong	06 April,2019	10	--
		Production technology of Til crop	03 July, 2019	29	--
		Production technology of Til crop	10 July., 2019	15	--
		Production technology of gram crop	25 Sept., 2019	12	--
		Production technology of Mustard crop	14 Oct., 2019	16	--
		Production technology of mustard crop	24 Oct., 2019	11	--
3	Media coverage				
4	Training for extension functionaries				



## Performance of Frontline demonstrations

### Frontline demonstrations on oilseed crops

Crop	Thematic Area	technology demonstrated	Variety	No. of Farmers	Area (ha)	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
						Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
						High	Low	Average										
Groundnut																		
Sesame	Crop Management	Varietal , Seed Treatment, Nutrient management & Insect pest management	RT-351	19	13.20	7.00	4.0	5.03	3.90	28.97	25335	42755	17420	1.69	23750	33150	9400	1.40
Sesame	Crop Management	Varietal , Seed Treatment, Nutrient management & Insect pest management	RT-351	11	6.80	6.00	4.0	4.89	3.9	25.38	25335	41565	16230	1.64	23750	33150	9400	1.40
Mustard	Crop Management	Varietal , Seed Treatment, Nutrient management, Weed management & Insect pest management	DRMRIJ-31(Girraj)	71	28.4	32.0	21.0	25.0	21.50	16.23	36520	104958	68438	2.87	33252	90300	57048	2.71
Mustard	Crop Management	Varietal , Seed Treatment, Nutrient management, Weed management & Insect pest management	DRMRIJ-31(Girraj)	19	11.6	28.0	22.50	24.85	21.0	18.28	36520	104328	67808	2.85	33252	88200	54948	2.65
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Linseed	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Sunflower	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Soybean	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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\* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

[illegible]



[illegible]



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Commercial Crops	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sugarcane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Potato	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Medicinal & aromatic plants	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Mentholment	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Kalmegh	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Ashwagandha	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Fodder Crops	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sorghum (F)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Cowpea (F)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Maize (F)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Lucern	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Berseem	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Oat (F)	Crop management	Varietal, Nutrient management	24	1.2	300	240	280	250	12			37850	56000	18150	1.48	36300	50000	13700	1.37
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\* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

\*\* BCR= GROSS RETURN/GROSS COST



## FLD on Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of Units (Animal/ Poultry/ Birds, etc)	Major parameters		% change in major parameter	Other parameter		Economics of demonstration (Rs.)				Economics of check (Rs.)			
					Demo	Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
<b>Cattle</b>	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<b>Buffalo</b>	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<b>Buffalo Calf</b>	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<b>Dairy</b>	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<b>Poultry</b>	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<b>Sheep &amp; Goat</b>	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<b>Vaccination</b>	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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

\*\* BCR= GROSS RETURN/GROSS COST



Category	Name of technology	No. of demonstrations	Name of observations	Demonstration	Check
--	--	--	--	--	--
--	--	--	--	--	--
--	--	--	--	--	--

Name of the implement	Crop	Technology demonstrated	No. of Farmer	Area (ha)	Major parameters	Filed observation (output/man hour)		% change in major parameter	Labor reduction (man days)				Cost reduction (Rs./ha or Rs./Unit etc.)			
						Demo	Check		Land preparation	Sowing	Weeding	Total	Land preparation	Labour	Irrigation	Total
ZT drill	Wheat	RCT	15	06	BCR, CC, Labour reduction, Net Return	0.35	1.45	75.86	1.15	--	0.30	1.45	4000	600	250	4850
Hand operated aonla pricking machine	Aonla	Pricking of Aonla by Hand operated aonla pricking machine	20	--	Labour reduction, time, quality of product	0.70	1.0	30	0.80	--	--	0.80	--	600	--	600
Twine hand wheel hoe	Bajra	Weed Control	25	10	Labour reduction,BCR,Net Return	3.0	6.0	50	--	--	2.5	2.5	--	1250	250	1500

[illegible]

**FLD on Demonstration details on crop hybrids** *(Details of Hybrid FLDs implemented during 2019)*

Crop	technology demonstrated	Hybrid Variety	No. of Farmers	Area (ha)	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)			
					Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)
					High	Low	Average						
Oilseed crop	--	--	--	--	--	--	--	--	--	--	--	--	--
	--	--	--	--	--	--	--	--	--	--	--	--	--
	--	--	--	--	--	--	--	--	--	--	--	--	--
	--	--	--	--	--	--	--	--	--	--	--	--	--
Pulse crop	--	--	--	--	--	--	--	--	--	--	--	--	--
	--	--	--	--	--	--	--	--	--	--	--	--	--
	--	--	--	--	--	--	--	--	--	--	--	--	--
	--	--	--	--	--	--	--	--	--	--	--	--	--
Cereal crop	--	--	--	--	--	--	--	--	--	--	--	--	--
	--	--	--	--	--	--	--	--	--	--	--	--	--
	--	--	--	--	--	--	--	--	--	--	--	--	--
	--	--	--	--	--	--	--	--	--	--	--	--	--
Vegetable crop	--	--	--	--	--	--	--	--	--	--	--	--	--
	--	--	--	--	--	--	--	--	--	--	--	--	--
	--	--	--	--	--	--	--	--	--	--	--	--	--
	--	--	--	--	--	--	--	--	--	--	--	--	--
Fruit crop	--	--	--	--	--	--	--	--	--	--	--	--	--
	--	--	--	--	--	--	--	--	--	--	--	--	--
	--	--	--	--	--	--	--	--	--	--	--	--	--
	--	--	--	--	--	--	--	--	--	--	--	--	--
Other (specify)	--	--	--	--	--	--	--	--	--	--	--	--	--
	--	--	--	--	--	--	--	--	--	--	--	--	--
	--	--	--	--	--	--	--	--	--	--	--	--	--

**Note :** Remove the Enterprises/crops which have not been shown

### III. Training Programme

#### Farmers' Training including sponsored training programmes (on campus)

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
<b>I Crop Production</b>										
Weed Management	--	--	--	--	--	--	--	--	--	--
Resource Conservation Technologies	--	--	--	--	--	--	--	--	--	--
Cropping Systems	--	--	--	--	--	--	--	--	--	--
Crop Diversification	--	--	--	--	--	--	--	--	--	--
Integrated Farming	--	--	--	--	--	--	--	--	--	--
Micro Irrigation/irrigation	--	--	--	--	--	--	--	--	--	--
Seed production	--	--	--	--	--	--	--	--	--	--
Nursery management	--	--	--	--	--	--	--	--	--	--
Integrated Crop Management	05	80	0	80	03	0	03	83	0	83
Soil & water conservation	--	--	--	--	--	--	--	--	--	--
Integrated nutrient management	--	--	--	--	--	--	--	--	--	--
Production of organic inputs	--	--	--	--	--	--	--	--	--	--
Others (pl specify)	--	--	--	--	--	--	--	--	--	--
<b>Total</b>	<b>05</b>	<b>80</b>	<b>0</b>	<b>80</b>	<b>03</b>	<b>0</b>	<b>03</b>	<b>83</b>	<b>0</b>	<b>83</b>
<b>II Horticulture</b>	--	--	--	--	--	--	--	--	--	--
<b>a) Vegetable Crops</b>	--	--	--	--	--	--	--	--	--	--
Production of low value and high volume crops	02	31	0	31	0	0	0	31	0	31
Off-season vegetables	--	--	--	--	--	--	--	--	--	--
Nursery raising	--	--	--	--	--	--	--	--	--	--
Exotic vegetables	--	--	--	--	--	--	--	--	--	--
Export potential vegetables	--	--	--	--	--	--	--	--	--	--
Grading and standardization	--	--	--	--	--	--	--	--	--	--
Protective cultivation	--	--	--	--	--	--	--	--	--	--
Others (pl specify)( Mushroom Production)	--	--	--	--	--	--	--	--	--	--
<b>Total (a)</b>	<b>02</b>	<b>31</b>	<b>0</b>	<b>31</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>31</b>	<b>0</b>	<b>31</b>
<b>b) Fruits</b>	--	--	--	--	--	--	--	--	--	--
Training and Pruning	--	--	--	--	--	--	--	--	--	--
Layout and Management of Orchards	01	08	0	08	2	0	2	10	0	10
Cultivation of Fruit	--	--	--	--	--	--	--	--	--	--
Management of young plants/orchards	--	--	--	--	--	--	--	--	--	--
Rejuvenation of old orchards	--	--	--	--	--	--	--	--	--	--
Export potential fruits	--	--	--	--	--	--	--	--	--	--
Micro irrigation systems of orchards	--	--	--	--	--	--	--	--	--	--
Plant propagation techniques	--	--	--	--	--	--	--	--	--	--
Others (pl specify)	--	--	--	--	--	--	--	--	--	--
<b>Total (b)</b>	<b>01</b>	<b>08</b>	<b>0</b>	<b>08</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>10</b>	<b>0</b>	<b>10</b>
<b>c) Ornamental Plants</b>	--	--	--	--	--	--	--	--	--	--
Nursery Management	--	--	--	--	--	--	--	--	--	--
Management of potted plants	--	--	--	--	--	--	--	--	--	--
Export potential of ornamental plants	--	--	--	--	--	--	--	--	--	--
Propagation techniques of Ornamental Plants	02	32	0	32	0	0	0	32	0	32
Others (pl specify)	--	--	--	--	--	--	--	--	--	--
<b>Total (c)</b>	<b>02</b>	<b>32</b>	<b>0</b>	<b>32</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>32</b>	<b>0</b>	<b>32</b>
<b>d) Plantation crops</b>	--	--	--	--	--	--	--	--	--	--
Production and Management technology	--	--	--	--	--	--	--	--	--	--
Processing and value addition	--	--	--	--	--	--	--	--	--	--
Others (pl specify)	--	--	--	--	--	--	--	--	--	--
<b>Total (d)</b>	--	--	--	--	--	--	--	--	--	--
<b>e) Tuber crops</b>	--	--	--	--	--	--	--	--	--	--
Production and Management technology	--	--	--	--	--	--	--	--	--	--
Processing and value addition	--	--	--	--	--	--	--	--	--	--
Others (pl specify)	--	--	--	--	--	--	--	--	--	--
<b>Total (e)</b>	--	--	--	--	--	--	--	--	--	--
<b>f) Spices</b>	--	--	--	--	--	--	--	--	--	--
Production and Management technology	01	09	0	09	1	0	1	10	0	10



pesticides										
Others (pl specify)	--	--	--	--	--	--	--	--	--	--
<b>Total</b>	<b>02</b>	<b>31</b>	<b>0</b>	<b>31</b>	<b>02</b>	<b>0</b>	<b>02</b>	<b>33</b>	<b>0</b>	<b>33</b>
<b>VIII Fisheries</b>	--	--	--	--	--	--	--	--	--	--
Integrated fish farming	--	--	--	--	--	--	--	--	--	--
Carp breeding and hatchery management	--	--	--	--	--	--	--	--	--	--
Carp fry and fingerling rearing	--	--	--	--	--	--	--	--	--	--
Composite fish culture	--	--	--	--	--	--	--	--	--	--
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 (pl specify)	--	--	--	--	--	--	--	--	--	--
<b>Total</b>	--	--	--	--	--	--	--	--	--	--
<b>IX Production of Inputs at site</b>	--	--	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--	--	--
Mushroom Production	--	--	--	--	--	--	--	--	--	--
Apiculture	--	--	--	--	--	--	--	--	--	--
Others (pl specify)	--	--	--	--	--	--	--	--	--	--
<b>Total</b>	--	--	--	--	--	--	--	--	--	--
<b>X Capacity Building and Group Dynamics</b>	--	--	--	--	--	--	--	--	--	--
Leadership development	--	--	--	--	--	--	--	--	--	--
Group dynamics	--	--	--	--	--	--	--	--	--	--
Formation and Management of SHGs	--	--	--	--	--	--	--	--	--	--
Mobilization of social capital	--	--	--	--	--	--	--	--	--	--
Entrepreneurial development of farmers/youths	--	--	--	--	--	--	--	--	--	--
WTO and IPR issues	--	--	--	--	--	--	--	--	--	--
Others (pl specify)	--	--	--	--	--	--	--	--	--	--
<b>Total</b>	--	--	--	--	--	--	--	--	--	--
<b>XI Agro-forestry</b>	--	--	--	--	--	--	--	--	--	--
Production technologies	--	--	--	--	--	--	--	--	--	--
Nursery management	--	--	--	--	--	--	--	--	--	--
Integrated Farming Systems	--	--	--	--	--	--	--	--	--	--
Others (pl specify)	--	--	--	--	--	--	--	--	--	--
<b>Total</b>	--	--	--	--	--	--	--	--	--	--
<b>GRAND TOTAL</b>	<b>26</b>	<b>375</b>	<b>30</b>	<b>405</b>	<b>33</b>	<b>15</b>	<b>48</b>	<b>408</b>	<b>45</b>	<b>453</b>

#### Farmers' Training including sponsored training programmes (off campus)

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
<b>I Crop Production</b>										
Weed Management	01	18	0	18	0	0	0	18	0	18
Resource Conservation Technologies	--	--	--	--	--	--	--	--	--	--
Cropping Systems	--	--	--	--	--	--	--	--	--	--
Crop Diversification	--	--	--	--	--	--	--	--	--	--
Integrated Farming	--	--	--	--	--	--	--	--	--	--
Micro Irrigation/irrigation	--	--	--	--	--	--	--	--	--	--
Seed production	--	--	--	--	--	--	--	--	--	--
Nursery management	--	--	--	--	--	--	--	--	--	--
Integrated Crop Management	16	195	04	199	10	0	10	205	04	209

Soil & water conservation	--	--	--	--	--	--	--	--	--	--
Integrated nutrient management	--	--	--	--	--	--	--	--	--	--
Production of organic inputs	--	--	--	--	--	--	--	--	--	--
Others (pl specify)	--	--	--	--	--	--	--	--	--	--
<b>Total</b>	<b>17</b>	<b>213</b>	<b>04</b>	<b>217</b>	<b>10</b>	<b>0</b>	<b>10</b>	<b>223</b>	<b>04</b>	<b>227</b>
<b>II Horticulture</b>	--	--	--	--	--	--	--	--	--	--
<b>a) Vegetable Crops</b>	--	--	--	--	--	--	--	--	--	--
Production of low value and high volume crops	07	105	05	110	02	0	02	107	05	112
Off-season vegetables	--	--	--	--	--	--	--	--	--	--
Nursery raising	02	31	0	31	03	0	03	34	0	34
Exotic vegetables	--	--	--	--	--	--	--	--	--	--
Export potential vegetables	--	--	--	--	--	--	--	--	--	--
Grading and standardization	--	--	--	--	--	--	--	--	--	--
Protective cultivation	01	14	0	14	1	0	1	15	0	15
Others (pl specify) (Orchard Management)	02	28	0	28	0	0	0	28	0	28
<b>Total (a)</b>	<b>12</b>	<b>178</b>	<b>05</b>	<b>183</b>	<b>6</b>	<b>0</b>	<b>6</b>	<b>184</b>	<b>05</b>	<b>189</b>
<b>b) Fruits</b>	--	--	--	--	--	--	--	--	--	--
Training and Pruning	01	13	0	13	0	0	0	13	0	13
Layout and Management of Orchards	05	83	0	83	07	0	07	90	0	90
Cultivation of Fruit	02	30	0	30	02	0	02	32	0	32
Management of young plants/orchards	01	14	0	14	2	0	2	16	0	16
Rejuvenation of old orchards	--	--	--	--	--	--	--	--	--	--
Export potential fruits	--	--	--	--	--	--	--	--	--	--
Micro irrigation systems of orchards	--	--	--	--	--	--	--	--	--	--
Plant propagation techniques	--	--	--	--	--	--	--	--	--	--
Others (pl specify)	--	--	--	--	--	--	--	--	--	--
<b>Total (b)</b>	<b>09</b>	<b>140</b>	<b>0</b>	<b>140</b>	<b>11</b>	<b>0</b>	<b>11</b>	<b>151</b>	<b>0</b>	<b>151</b>
<b>c) Ornamental Plants</b>	--	--	--	--	--	--	--	--	--	--
Nursery Management	01	14	0	14	03	0	03	17	0	17
Management of potted plants	--	--	--	--	--	--	--	--	--	--
Export potential of ornamental plants	--	--	--	--	--	--	--	--	--	--
Propagation techniques of Ornamental Plants	--	--	--	--	--	--	--	--	--	--
Others (pl specify)	--	--	--	--	--	--	--	--	--	--
<b>Total (c)</b>	<b>01</b>	<b>14</b>	<b>0</b>	<b>14</b>	<b>03</b>	<b>0</b>	<b>03</b>	<b>17</b>	<b>0</b>	<b>17</b>
<b>d) Plantation crops</b>	--	--	--	--	--	--	--	--	--	--
Production and Management technology	--	--	--	--	--	--	--	--	--	--
Processing and value addition	--	--	--	--	--	--	--	--	--	--
Others (pl specify)	--	--	--	--	--	--	--	--	--	--
<b>Total (d)</b>	--	--	--	--	--	--	--	--	--	--
<b>e) Tuber crops</b>	--	--	--	--	--	--	--	--	--	--
Production and Management technology	01	19	0	19	0	0	0	19	0	19
Processing and value addition	--	--	--	--	--	--	--	--	--	--
Others (pl specify)	--	--	--	--	--	--	--	--	--	--
<b>Total (e)</b>	<b>01</b>	<b>19</b>	<b>0</b>	<b>19</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>19</b>	<b>0</b>	<b>19</b>
<b>f) Spices</b>	--	--	--	--	--	--	--	--	--	--
Production and Management technology	03	47	0	47	01	0	01	48	0	48
Processing and value addition	--	--	--	--	--	--	--	--	--	--
Others (pl specify)	--	--	--	--	--	--	--	--	--	--
<b>Total (f)</b>	<b>03</b>	<b>47</b>	<b>0</b>	<b>47</b>	<b>01</b>	<b>0</b>	<b>01</b>	<b>48</b>	<b>0</b>	<b>48</b>
<b>g) Medicinal and Aromatic Plants</b>	--	--	--	--	--	--	--	--	--	--
Nursery management	--	--	--	--	--	--	--	--	--	--
Production and management technology	--	--	--	--	--	--	--	--	--	--
Post harvest technology and value addition	--	--	--	--	--	--	--	--	--	--
Others (pl specify)	--	--	--	--	--	--	--	--	--	--
<b>Total (g)</b>	--	--	--	--	--	--	--	--	--	--
<b>GT (a-g)</b>	<b>26</b>	<b>398</b>	<b>05</b>	<b>403</b>	<b>21</b>	<b>0</b>	<b>21</b>	<b>419</b>	<b>05</b>	<b>424</b>
<b>III Soil Health and Fertility Management</b>	--	--	--	--	--	--	--	--	--	--
Soil fertility management	04	67	0	67	14	0	14	81	0	81
Integrated water management	--	--	--	--	--	--	--	--	--	--
Integrated Nutrient Management	05	74	01	75	14	02	16	88	03	91
Production and use of organic inputs	--	--	--	--	--	--	--	--	--	--
Management of Problematic soils	--	--	--	--	--	--	--	--	--	--
Micro nutrient deficiency in crops	--	--	--	--	--	--	--	--	--	--
Nutrient Use Efficiency	04	51	0	51	09	0	09	60	0	60
Balance use of fertilizers	--	--	--	--	--	--	--	--	--	--
Soil and Water Testing	--	--	--	--	--	--	--	--	--	--
Others (pl specify)(Moisture Conservation)	01	14	0	14	1	0	1	15	0	15
<b>Total</b>	<b>14</b>	<b>206</b>	<b>01</b>	<b>207</b>	<b>38</b>	<b>02</b>	<b>40</b>	<b>244</b>	<b>03</b>	<b>247</b>





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	--	--	--	--	--	--	--	--	--	--
Mushroom Production	--	--	--	--	--	--	--	--	--	--
Apiculture	--	--	--	--	--	--	--	--	--	--
Others (pl specify)	--	--	--	--	--	--	--	--	--	--
<b>Total</b>	--	--	--	--	--	--	--	--	--	--
<b>X Capacity Building and Group Dynamics</b>	--	--	--	--	--	--	--	--	--	--
Leadership development	--	--	--	--	--	--	--	--	--	--
Group dynamics	--	--	--	--	--	--	--	--	--	--
Formation and Management of SHGs	--	--	--	--	--	--	--	--	--	--
Mobilization of social capital	--	--	--	--	--	--	--	--	--	--
Entrepreneurial development of farmers/youths	--	--	--	--	--	--	--	--	--	--
WTO and IPR issues	--	--	--	--	--	--	--	--	--	--
Others (pl specify)	--	--	--	--	--	--	--	--	--	--
<b>Total</b>	--	--	--	--	--	--	--	--	--	--
<b>XI Agro-forestry</b>	--	--	--	--	--	--	--	--	--	--
Production technologies	--	--	--	--	--	--	--	--	--	--
Nursery management	--	--	--	--	--	--	--	--	--	--
Integrated Farming Systems	--	--	--	--	--	--	--	--	--	--
Others (pl specify)	--	--	--	--	--	--	--	--	--	--
<b>Total</b>	--	--	--	--	--	--	--	--	--	--
<b>GRAND TOTAL</b>	<b>88</b>	<b>1055</b>	<b>209</b>	<b>1264</b>	<b>110</b>	<b>93</b>	<b>203</b>	<b>1165</b>	<b>302</b>	<b>1467</b>

#### Farmers' Training including sponsored training programmes – CONSOLIDATED (On + Off campus)

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
<b>I Crop Production</b>										
Weed Management	01	18	0	18	0	0	0	18	0	18
Resource Conservation Technologies	--	--	--	--	--	--	--	--	--	--
Cropping Systems	--	--	--	--	--	--	--	--	--	--
Crop Diversification	--	--	--	--	--	--	--	--	--	--
Integrated Farming	--	--	--	--	--	--	--	--	--	--
Micro Irrigation/irrigation	--	--	--	--	--	--	--	--	--	--
Seed production	--	--	--	--	--	--	--	--	--	--
Nursery management	--	--	--	--	--	--	--	--	--	--
Integrated Crop Management	21	275	04	279	13	0	13	306	04	310
Soil & water conservation	--	--	--	--	--	--	--	--	--	--
Integrated nutrient management	--	--	--	--	--	--	--	--	--	--
Production of organic inputs	--	--	--	--	--	--	--	--	--	--
Others (pl specify)	--	--	--	--	--	--	--	--	--	--
<b>Total</b>	<b>22</b>	<b>293</b>	<b>04</b>	<b>297</b>	<b>13</b>	<b>0</b>	<b>13</b>	<b>306</b>	<b>04</b>	<b>310</b>
<b>II Horticulture</b>	--	--	--	--	--	--	--	--	--	--
<b>a) Vegetable Crops</b>	--	--	--	--	--	--	--	--	--	--
Production of low value and high volume crops	09	136	05	141	2	0	2	138	05	143
Off-season vegetables	--	--	--	--	--	--	--	--	--	--
Nursery raising	02	31	0	31	03	0	03	34	0	34
Exotic vegetables	--	--	--	--	--	--	--	--	--	--
Export potential vegetables	--	--	--	--	--	--	--	--	--	--
Grading and standardization	--	--	--	--	--	--	--	--	--	--
Protective cultivation	01	14	0	14	1	0	1	15	0	15
Others (pl specify) (Orchard Management)	02	28	0	28	0	0	0	28	0	28
<b>Total (a)</b>	<b>14</b>	<b>209</b>	<b>05</b>	<b>214</b>	<b>06</b>	<b>0</b>	<b>06</b>	<b>215</b>	<b>05</b>	<b>220</b>
<b>b) Fruits</b>	--	--	--	--	--	--	--	--	--	--
Training and Pruning	01	13	0	13	0	0	0	13	0	13
Layout and Management of Orchards	06	91	0	91	09	0	09	100	0	100
Cultivation of Fruit	02	30	0	30	02	0	02	32	0	32
Management of young plants/orchards	01	14	0	14	2	0	2	16	0	16



Storage loss minimization techniques	--	--	--	--	--	--	--	--	--	--
Value addition	07		86	86		44	44		130	130
Women empowerment	01		10	10		05	05		15	15
Location specific drudgery reduction technologies	--	--	--	--	--	--	--	--	--	--
Rural Crafts	--	--	--	--	--	--	--	--	--	--
Women and child care	--	--	--	--	--	--	--	--	--	--
Others (pl specify)(Income generating activities)	05		68	68		33	33		103	103
<b>Total</b>	<b>17</b>		<b>226</b>	<b>226</b>		<b>100</b>	<b>100</b>		<b>326</b>	<b>326</b>
<b>VI Agril. Engineering</b>										
Farm Machinery and its maintenance	09	142	01	143	29	0	29	171	01	172
Installation and maintenance of micro irrigation systems	02	35	0	35	04	0	04	39	0	39
Use of Plastics in farming practices	--	--	--	--	--	--	--	--	--	--
Production of small tools and implements	--	--	--	--	--	--	--	--	--	--
Repair and maintenance of farm machinery and implements	04	63	01	64	10	0	10	73	01	74
Small scale processing and value addition	04	60	01	61	13	02	15	73	03	76
Post Harvest Technology	03	43	0	43	05	04	09	48	04	52
Others (pl specify)	--	--	--	--	--	--	--	--	--	--
<b>Total</b>	<b>22</b>	<b>343</b>	<b>03</b>	<b>346</b>	<b>61</b>	<b>06</b>	<b>67</b>	<b>404</b>	<b>09</b>	<b>413</b>
<b>VII Plant Protection</b>										
Integrated Pest Management	02	36	0	36	0	0	0	36	0	36
Integrated Disease Management	02	27	0	27	03	0	03	30	0	30
Bio-control of pests and diseases	--	--	--	--	--	--	--	--	--	--
Production of bio control agents and bio pesticides	--	--	--	--	--	--	--	--	--	--
Others (pl specify)	--	--	--	--	--	--	--	--	--	--
<b>Total</b>	<b>04</b>	<b>63</b>	<b>0</b>	<b>63</b>	<b>03</b>	<b>0</b>	<b>03</b>	<b>66</b>	<b>0</b>	<b>66</b>
<b>VIII Fisheries</b>										
Integrated fish farming	--	--	--	--	--	--	--	--	--	--
Carp breeding and hatchery management	--	--	--	--	--	--	--	--	--	--
Carp fry and fingerling rearing	--	--	--	--	--	--	--	--	--	--
Composite fish culture	--	--	--	--	--	--	--	--	--	--
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 (pl specify)	--	--	--	--	--	--	--	--	--	--
<b>Total</b>	--	--	--	--	--	--	--	--	--	--
<b>IX Production of Inputs at site</b>										
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	--	--	--	--	--	--	--	--	--	--
Mushroom Production	--	--	--	--	--	--	--	--	--	--
Apiculture	--	--	--	--	--	--	--	--	--	--
Others (pl specify)	--	--	--	--	--	--	--	--	--	--
<b>Total</b>	--	--	--	--	--	--	--	--	--	--
<b>X Capacity Building and Group Dynamics</b>										
Leadership development	--	--	--	--	--	--	--	--	--	--
Group dynamics	--	--	--	--	--	--	--	--	--	--
Formation and Management of SHGs	--	--	--	--	--	--	--	--	--	--
Mobilization of social capital	--	--	--	--	--	--	--	--	--	--
Entrepreneurial development of farmers/youths	--	--	--	--	--	--	--	--	--	--
WTO and IPR issues	--	--	--	--	--	--	--	--	--	--

Others (pl specify)	--	--	--	--	--	--	--	--	--	--
<b>Total</b>	--	--	--	--	--	--	--	--	--	--
<b>XI Agro-forestry</b>										
Production technologies	--	--	--	--	--	--	--	--	--	--
Nursery management	--	--	--	--	--	--	--	--	--	--
Integrated Farming Systems	--	--	--	--	--	--	--	--	--	--
Others (pl specify)	--	--	--	--	--	--	--	--	--	--
<b>Total</b>	--	--	--	--	--	--	--	--	--	--
<b>GRAND TOTAL</b>	<b>114</b>	<b>1430</b>	<b>239</b>	<b>1669</b>	<b>143</b>	<b>108</b>	<b>251</b>	<b>1573</b>	<b>347</b>	<b>1920</b>

### Training for Rural Youths including sponsored training programmes (On campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops	--	--	--	--	--	--	--	--	--	--
Training and pruning of orchards	--	--	--	--	--	--	--	--	--	--
Protected cultivation of vegetable crops	--	--	--	--	--	--	--	--	--	--
Commercial fruit production	--	--	--	--	--	--	--	--	--	--
Integrated farming	--	--	--	--	--	--	--	--	--	--
Seed production	--	--	--	--	--	--	--	--	--	--
Production of organic inputs	--	--	--	--	--	--	--	--	--	--
Planting material production	--	--	--	--	--	--	--	--	--	--
Vermi-culture	01	16	0	16	02	0	02	18	0	18
Mushroom Production	01	15	0	15	05	0	05	20	0	20
Bee-keeping	--	--	--	--	--	--	--	--	--	--
Sericulture	--	--	--	--	--	--	--	--	--	--
Repair and maintenance of farm machinery and implements	01	08	0	08	02	0	02	10	0	10
Value addition	01		10	10		05	05		15	15
Small scale processing	01	13	0	13	02	0	02	15	0	15
Post Harvest Technology	--	--	--	--	--	--	--	--	--	--
Tailoring and Stitching	--	--	--	--	--	--	--	--	--	--
Rural Crafts	01		20	20		10	10		30	30
Production of quality animal products	--	--	--	--	--	--	--	--	--	--
Dairying	--	--	--	--	--	--	--	--	--	--
Sheep and goat rearing	--	--	--	--	--	--	--	--	--	--
Quail farming	--	--	--	--	--	--	--	--	--	--
Piggery	--	--	--	--	--	--	--	--	--	--
Rabbit farming	--	--	--	--	--	--	--	--	--	--
Poultry production	--	--	--	--	--	--	--	--	--	--
Ornamental fisheries	--	--	--	--	--	--	--	--	--	--
Composite fish culture	--	--	--	--	--	--	--	--	--	--
Freshwater prawn culture	--	--	--	--	--	--	--	--	--	--
Shrimp farming	--	--	--	--	--	--	--	--	--	--
Pearl culture	--	--	--	--	--	--	--	--	--	--
Cold water fisheries	--	--	--	--	--	--	--	--	--	--
Fish harvest and processing technology	--	--	--	--	--	--	--	--	--	--
Fry and fingerling rearing	--	--	--	--	--	--	--	--	--	--
Any other (pl.specify) (Mali Training)	01	08	0	08	02	0	02	10	0	10
<b>TOTAL</b>	<b>07</b>	<b>60</b>	<b>30</b>	<b>90</b>	<b>13</b>	<b>15</b>	<b>28</b>	<b>73</b>	<b>45</b>	<b>118</b>

**Training for Rural Youths including sponsored training programmes (Off campus)**

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops	--	--	--	--	--	--	--	--	--	--
Training and pruning of orchards	--	--	--	--	--	--	--	--	--	--
Protected cultivation of vegetable crops	--	--	--	--	--	--	--	--	--	--
Commercial fruit production	--	--	--	--	--	--	--	--	--	--
Integrated farming	--	--	--	--	--	--	--	--	--	--
Seed production	--	--	--	--	--	--	--	--	--	--
Production of organic inputs	--	--	--	--	--	--	--	--	--	--
Planting material production	--	--	--	--	--	--	--	--	--	--
Vermi-culture	--	--	--	--	--	--	--	--	--	--
Mushroom Production	--	--	--	--	--	--	--	--	--	--
Bee-keeping	--	--	--	--	--	--	--	--	--	--
Sericulture	--	--	--	--	--	--	--	--	--	--
Repair and maintenance of farm machinery and implements	--	--	--	--	--	--	--	--	--	--
Value addition	--	--	--	--	--	--	--	--	--	--
Small scale processing	--	--	--	--	--	--	--	--	--	--
Post Harvest Technology	--	--	--	--	--	--	--	--	--	--
Tailoring and Stitching	--	--	--	--	--	--	--	--	--	--
Rural Crafts	01	--	16	16	--	06	06	--	22	22
Production of quality animal products	--	--	--	--	--	--	--	--	--	--
Dairying	--	--	--	--	--	--	--	--	--	--
Sheep and goat rearing	--	--	--	--	--	--	--	--	--	--
Quail farming	--	--	--	--	--	--	--	--	--	--
Piggery	--	--	--	--	--	--	--	--	--	--
Rabbit farming	--	--	--	--	--	--	--	--	--	--
Poultry production	--	--	--	--	--	--	--	--	--	--
Ornamental fisheries	--	--	--	--	--	--	--	--	--	--
Composite fish culture	--	--	--	--	--	--	--	--	--	--
Freshwater prawn culture	--	--	--	--	--	--	--	--	--	--
Shrimp farming	--	--	--	--	--	--	--	--	--	--
Pearl culture	--	--	--	--	--	--	--	--	--	--
Cold water fisheries	--	--	--	--	--	--	--	--	--	--
Fish harvest and processing technology	--	--	--	--	--	--	--	--	--	--
Fry and fingerling rearing	--	--	--	--	--	--	--	--	--	--
Any other (pl.specify)	--	--	--	--	--	--	--	--	--	--
<b>TOTAL</b>	<b>01</b>		<b>16</b>	<b>16</b>		<b>06</b>	<b>06</b>		<b>22</b>	<b>22</b>

**Training for Rural Youths including sponsored training programmes – CONSOLIDATED (On + Off campus)**

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops	--	--	--	--	--	--	--	--	--	--
Training and pruning of orchards	--	--	--	--	--	--	--	--	--	--
Protected cultivation of vegetable crops	--	--	--	--	--	--	--	--	--	--
Commercial fruit production	--	--	--	--	--	--	--	--	--	--
Integrated farming	--	--	--	--	--	--	--	--	--	--
Seed production	--	--	--	--	--	--	--	--	--	--
Production of organic inputs	--	--	--	--	--	--	--	--	--	--
Planting material production	--	--	--	--	--	--	--	--	--	--
Vermi-culture	01	16	0	16	02	0	02	18	0	18
Mushroom Production	01	15	0	15	05	0	05	20	0	20
Bee-keeping	--	--	--	--	--	--	--	--	--	--
Sericulture	--	--	--	--	--	--	--	--	--	--
Repair and maintenance of	01	08	0	08	02	0	02	10	0	10

farm machinery and implements										
Value addition	01		10	10		05	05		15	15
Small scale processing	01	13	0	13	02	0	02	15	0	15
Post Harvest Technology	--	--	--	--	--	--	--	--	--	--
Tailoring and Stitching	--	--	--	--	--	--	--	--	--	--
Rural Crafts	02		36	36		16	16		52	52
Production of quality animal products	--	--	--	--	--	--	--	--	--	--
Dairying	--	--	--	--	--	--	--	--	--	--
Sheep and goat rearing	--	--	--	--	--	--	--	--	--	--
Quail farming	--	--	--	--	--	--	--	--	--	--
Piggery	--	--	--	--	--	--	--	--	--	--
Rabbit farming	--	--	--	--	--	--	--	--	--	--
Poultry production	--	--	--	--	--	--	--	--	--	--
Ornamental fisheries	--	--	--	--	--	--	--	--	--	--
Composite fish culture	--	--	--	--	--	--	--	--	--	--
Freshwater prawn culture	--	--	--	--	--	--	--	--	--	--
Shrimp farming	--	--	--	--	--	--	--	--	--	--
Pearl culture	--	--	--	--	--	--	--	--	--	--
Cold water fisheries	--	--	--	--	--	--	--	--	--	--
Fish harvest and processing technology	--	--	--	--	--	--	--	--	--	--
Fry and fingerling rearing	--	--	--	--	--	--	--	--	--	--
Any other (pl.specify) (Mali Training)	01	08	0	08	02	0	02	10	0	10
<b>TOTAL</b>	<b>08</b>	<b>76</b>	<b>30</b>	<b>106</b>	<b>19</b>	<b>15</b>	<b>34</b>	<b>95</b>	<b>45</b>	<b>140</b>

#### Training programmes for Extension Personnel including sponsored training programmes (on campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops	01	19	01	20	03	0	03	22	01	23
Integrated Pest Management	01	19	01	20	03	0	03	22	01	23
Integrated Nutrient management	01	19	01	20	03	0	03	22	01	23
Rejuvenation of old orchards	--	--	--	--	--	--	--	--	--	--
Protected cultivation technology	--	--	--	--	--	--	--	--	--	--
Production and use of organic inputs	--	--	--	--	--	--	--	--	--	--
Care and maintenance of farm machinery and implements	--	--	--	--	--	--	--	--	--	--
Gender mainstreaming through SHGs	--	--	--	--	--	--	--	--	--	--
Formation and Management of SHGs	--	--	--	--	--	--	--	--	--	--
Women and Child care	--	--	--	--	--	--	--	--	--	--
Low cost and nutrient efficient diet designing	--	--	--	--	--	--	--	--	--	--
Group Dynamics and farmers organization	--	--	--	--	--	--	--	--	--	--
Information networking among farmers	--	--	--	--	--	--	--	--	--	--
Capacity building for ICT application	--	--	--	--	--	--	--	--	--	--
Management in farm animals	--	--	--	--	--	--	--	--	--	--
Livestock feed and fodder production	--	--	--	--	--	--	--	--	--	--
Household food security	--	--	--	--	--	--	--	--	--	--
Any other (pl.specify)	--	--	--	--	--	--	--	--	--	--
<b>TOTAL</b>	<b>03</b>	<b>57</b>	<b>03</b>	<b>60</b>	<b>09</b>	<b>0</b>	<b>09</b>	<b>66</b>	<b>03</b>	<b>69</b>

**Training programmes for Extension Personnel including sponsored training programmes (off campus)**

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops	--	--	--	--	--	--	--	--	--	--
Integrated Pest Management	--	--	--	--	--	--	--	--	--	--
Integrated Nutrient management	--	--	--	--	--	--	--	--	--	--
Rejuvenation of old orchards	--	--	--	--	--	--	--	--	--	--
Protected cultivation technology	--	--	--	--	--	--	--	--	--	--
Production and use of organic inputs	--	--	--	--	--	--	--	--	--	--
Care and maintenance of farm machinery and implements	--	--	--	--	--	--	--	--	--	--
Gender mainstreaming through SHGs	--	--	--	--	--	--	--	--	--	--
Formation and Management of SHGs	--	--	--	--	--	--	--	--	--	--
Women and Child care	--	--	--	--	--	--	--	--	--	--
Low cost and nutrient efficient diet designing	--	--	--	--	--	--	--	--	--	--
Group Dynamics and farmers organization	--	--	--	--	--	--	--	--	--	--
Information networking among farmers	--	--	--	--	--	--	--	--	--	--
Capacity building for ICT application	--	--	--	--	--	--	--	--	--	--
Management in farm animals	--	--	--	--	--	--	--	--	--	--
Livestock feed and fodder production	--	--	--	--	--	--	--	--	--	--
Household food security	--	--	--	--	--	--	--	--	--	--
Any other (pl.specify)	--	--	--	--	--	--	--	--	--	--
<b>TOTAL</b>	--	--	--	--	--	--	--	--	--	--

**Training programmes for Extension Personnel including sponsored training programmes – CONSOLIDATED (On + Off campus)**

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops	01	19	01	20	03	0	03	22	01	23
Integrated Pest Management	01	19	01	20	03	0	03	22	01	23
Integrated Nutrient management	01	19	01	20	03	0	03	22	01	23
Rejuvenation of old orchards	--	--	--	--	--	--	--	--	--	--
Protected cultivation technology	--	--	--	--	--	--	--	--	--	--
Production and use of organic inputs	--	--	--	--	--	--	--	--	--	--
Care and maintenance of farm machinery and implements	--	--	--	--	--	--	--	--	--	--
Gender mainstreaming through SHGs	--	--	--	--	--	--	--	--	--	--
Formation and Management of SHGs	--	--	--	--	--	--	--	--	--	--
Women and Child care	--	--	--	--	--	--	--	--	--	--
Low cost and nutrient efficient diet designing	--	--	--	--	--	--	--	--	--	--
Group Dynamics and farmers organization	--	--	--	--	--	--	--	--	--	--
Information networking among farmers	--	--	--	--	--	--	--	--	--	--
Capacity building for ICT application	--	--	--	--	--	--	--	--	--	--
Management in farm animals	--	--	--	--	--	--	--	--	--	--
Livestock feed and fodder production	--	--	--	--	--	--	--	--	--	--
Household food security	--	--	--	--	--	--	--	--	--	--
Any other (pl.specify)	--	--	--	--	--	--	--	--	--	--
<b>TOTAL</b>	<b>03</b>	<b>57</b>	<b>03</b>	<b>60</b>	<b>09</b>	<b>0</b>	<b>09</b>	<b>66</b>	<b>03</b>	<b>69</b>



**Table. Sponsored training programmes**

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
<b>Crop production and management</b>										
Increasing production and productivity of crops	01	22	0	22	03	0	03	25	0	25
Commercial production of vegetables	--	--	--	--	--	--	--	--	--	--
<b>Production and value addition</b>										
Fruit Plants	01	25	0	25	05	0	05	30	0	30
Ornamental plants	--	--	--	--	--	--	--	--	--	--
Spices crops	--	--	--	--	--	--	--	--	--	--
Soil health and fertility management	02	41	0	41	10	0	10	51	0	51
Production of Inputs at site	--	--	--	--	--	--	--	--	--	--
Methods of protective cultivation	--	--	--	--	--	--	--	--	--	--
Others (pl. specify)	--	--	--	--	--	--	--	--	--	--
<b>Total</b>	<b>04</b>	<b>88</b>	<b>0</b>	<b>88</b>	<b>18</b>	<b>0</b>	<b>18</b>	<b>106</b>	<b>0</b>	<b>106</b>
<b>Post harvest technology and value addition</b>										
Processing and value addition	--	--	--	--	--	--	--	--	--	--
Others (pl. specify)	--	--	--	--	--	--	--	--	--	--
<b>Total</b>	--	--	--	--	--	--	--	--	--	--
<b>Farm machinery</b>										
Farm machinery, tools and implements	02	46	0	46	07	0	07	53	0	53
Others (pl. specify)	--	--	--	--	--	--	--	--	--	--
<b>Total</b>	<b>02</b>	<b>46</b>	<b>0</b>	<b>46</b>	<b>07</b>	<b>0</b>	<b>07</b>	<b>53</b>	<b>0</b>	<b>53</b>
<b>Livestock and fisheries</b>										
Livestock production and management	--	--	--	--	--	--	--	--	--	--
Animal Nutrition Management	--	--	--	--	--	--	--	--	--	--
Animal Disease Management	--	--	--	--	--	--	--	--	--	--
Fisheries Nutrition	--	--	--	--	--	--	--	--	--	--
Fisheries Management	--	--	--	--	--	--	--	--	--	--
Others (pl. specify)	--	--	--	--	--	--	--	--	--	--
<b>Total</b>	--	--	--	--	--	--	--	--	--	--
<b>Home Science</b>										
Household nutritional security	--	--	--	--	--	--	--	--	--	--
Economic empowerment of women	--	--	--	--	--	--	--	--	--	--
Drudgery reduction of women	--	--	--	--	--	--	--	--	--	--
Others (pl. specify)	--	--	--	--	--	--	--	--	--	--
<b>Total</b>	--	--	--	--	--	--	--	--	--	--
<b>Agricultural Extension</b>										
Capacity Building and Group Dynamics	--	--	--	--	--	--	--	--	--	--
Others (pl. specify)	--	--	--	--	--	--	--	--	--	--
<b>Total</b>	--	--	--	--	--	--	--	--	--	--
<b>GRAND TOTAL</b>	<b>06</b>	<b>134</b>	<b>0</b>	<b>134</b>	<b>25</b>	<b>0</b>	<b>25</b>	<b>159</b>	<b>0</b>	<b>159</b>

**Name of sponsoring agencies involved**

### Details of vocational training programmes carried out by KVKs for rural youth

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
<b>Crop production and management</b>										
Commercial floriculture	--	--	--	--	--	--	--	--	--	--
Commercial fruit production	--	--	--	--	--	--	--	--	--	--
Commercial vegetable production	--	--	--	--	--	--	--	--	--	--
Integrated crop management	--	--	--	--	--	--	--	--	--	--
Organic farming	--	--	--	--	--	--	--	--	--	--
Others (pl. specify)	--	--	--	--	--	--	--	--	--	--
<b>Total</b>	--	--	--	--	--	--	--	--	--	--
<b>Post harvest technology and value addition</b>										
Value addition	--	--	--	--	--	--	--	--	--	--
Others (pl. specify) (Micro processing technology of cereals, pulses, oil seeds & spices )	01	13	0	13	02	0	02	15	0	15
<b>Total</b>	<b>01</b>	<b>13</b>	<b>0</b>	<b>13</b>	<b>02</b>	<b>0</b>	<b>02</b>	<b>15</b>	<b>0</b>	<b>15</b>
<b>Livestock and fisheries</b>	--	--	--	--	--	--	--	--	--	--
Dairy farming	--	--	--	--	--	--	--	--	--	--
Composite fish culture	--	--	--	--	--	--	--	--	--	--
Sheep and goat rearing	--	--	--	--	--	--	--	--	--	--
Piggery	--	--	--	--	--	--	--	--	--	--
Poultry farming	--	--	--	--	--	--	--	--	--	--
Others (pl. specify)	--	--	--	--	--	--	--	--	--	--
<b>Total</b>	--	--	--	--	--	--	--	--	--	--
<b>Income generation activities</b>	--	--	--	--	--	--	--	--	--	--
Vermicomposting	01	16	0	16	02	0	02	18	0	18
Production of bio-agents, bio-pesticides,	--	--	--	--	--	--	--	--	--	--
bio-fertilizers etc.	--	--	--	--	--	--	--	--	--	--
Repair and maintenance of farm machinery	01	08	0	08	02	0	02	10	0	10
and implements	--	--	--	--	--	--	--	--	--	--
Rural Crafts	--	--	--	--	--	--	--	--	--	--
Seed production	--	--	--	--	--	--	--	--	--	--
Sericulture	--	--	--	--	--	--	--	--	--	--
Mushroom cultivation	01	15	0	15	05	0	05	20	0	20
Nursery, grafting etc.	01	08	0	08	02	0	02	10	0	10
Tailoring, stitching, embroidery, dying etc.	--	--	--	--	--	--	--	--	--	--
Agril. Para-workers, para-vet training	--	--	--	--	--	--	--	--	--	--
Others (pl. specify)	--	--	--	--	--	--	--	--	--	--
<b>Total</b>	<b>04</b>	<b>47</b>	<b>0</b>	<b>47</b>	<b>11</b>	<b>0</b>	<b>11</b>	<b>58</b>	<b>0</b>	<b>58</b>
<b>Agricultural Extension</b>	--	--	--	--	--	--	--	--	--	--
Capacity building and group dynamics	--	--	--	--	--	--	--	--	--	--
Others (pl. specify)	--	--	--	--	--	--	--	--	--	--
<b>Total</b>	--	--	--	--	--	--	--	--	--	--
<b>Grand Total</b>	<b>05</b>	<b>60</b>	<b>0</b>	<b>60</b>	<b>13</b>	<b>0</b>	<b>13</b>	<b>73</b>	<b>0</b>	<b>73</b>

#### IV. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
Advisory Services	406	480	17	497
Diagnostic visits	10	72	02	74
Field Day	19	738	19	757
Group discussions	--	--	--	--
Kisan Ghosthi	01	188	08	196
Film Show	03	160	05	165
Self –help groups	--	--	--	--
Kisan Mela	01	937	24	961
Exhibition	--	--	--	--
Scientists' visit to farmers field	148	540	07	547
Plant/animal health camps	--	--	--	--
Farm Science Club	06	204	10	214
Ex-trainees Sammelan	02	67	--	67
Farmers' seminar/workshop	--	--	--	--
Method Demonstrations	15	196	06	202
Celebration of important days	02	68	03	71
Special day celebration	15	445	15	460
Exposure visits	02	66	02	68
Others (pl. specify)	--	--	--	--
Celebration of women in agriculture	01	53	--	53
<b>Total</b>	<b>631</b>	<b>4214</b>	<b>118</b>	<b>4332</b>

#### Details of other extension programmes

Particulars	Number
Electronic Media (CD./DVD)	--
Extension Literature	12
News paper coverage	42
Popular articles	07
Radio Talks	--
TV Talks	01
Animal health camps (Number of animals treated)	22
Others (pl. specify)	--
<b>Total</b>	<b>84</b>

Name of KVK	Message Type	Type of Messages						Total
		Crop	Livestock	Weather	Marketing	Awareness	Other enterprise	
	Text only	41	0	0	0	20	09	70
	Voice only	0	0	0	0	0	0	0
	Voice & Text both							
	<b>Total Messages</b>	41	0	0	0	20	09	70
	<b>Total farmers Benefitted</b>	2354733				1142992	585753	4083478

## V. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Number of KVKs organised Technology Week	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
	Gosthies	02	72	Mustard wheat
	Lectures organised	08	310	ICM, INM and IPM
	Exhibition	01	105	Farm machinery, sample of diseased plants, Leaf lets of production technology of Rabi crops
	Film show	--	--	--
	Fair	--	--	--
	Farm Visit	04	160	Latest technology for crop production
	Diagnostic Practicals	--	--	--
	Distribution of Literature (No.)	08	650	ICM of rabi crops
	Distribution of Seed (q)	--	--	--
	Distribution of Planting materials (No.)	--	--	--
	Bio Product distribution (Kg)	--	--	--
	Bio Fertilizers (q)	--	--	--
	Distribution of fingerlings	--	--	--
	Distribution of Livestock specimen (No.)	--	--	--
	Total number of farmers visited the technology week	--	--	--

## VI. PRODUCTION OF SEED/PLANTING MATERIAL AND BIO-PRODUCTS

### Production of seeds by the KVKs

Crop	Name of the crop	Name of the variety	Name of the hybrid	Quantity of seed (q)	Value (Rs)	Number of farmers
Cereals	--	--	--	--	--	--
	--	--	--	--	--	--
	--	--	--	--	--	--
Oilseeds	--	--	--	--	--	--
	--	--	--	--	--	--
	--	--	--	--	--	--
Pulses	--	--	--	--	--	--
	--	--	--	--	--	--
	--	--	--	--	--	--
Commercial crops	--	--	--	--	--	--
	--	--	--	--	--	--
	--	--	--	--	--	--
Vegetables	--	--	--	--	--	--
	--	--	--	--	--	--
	--	--	--	--	--	--
Flower crops	--	--	--	--	--	--
	--	--	--	--	--	--
	--	--	--	--	--	--
Spices	--	--	--	--	--	--
	--	--	--	--	--	--
	--	--	--	--	--	--
Fodder crop seeds	--	--	--	--	--	--
	--	--	--	--	--	--
	--	--	--	--	--	--
Fiber crops	--	--	--	--	--	--
	--	--	--	--	--	--

	--	--	--	--	--	--
Forest Species	--	--	--	--	--	--
	--	--	--	--	--	--
	--	--	--	--	--	--
Others	--	--	--	--	--	--
	--	--	--	--	--	--
	--	--	--	--	--	--
<b>Total</b>	--	--	--	--	--	--

#### Production of planting materials by the KVKs

Crop	Name of the crop	Name of the variety	Name of the hybrid	Number	Value (Rs.)	Number of farmers
Commercial	--	--	--	--	--	--
	--	--	--	--	--	--
	--	--	--	--	--	--
Vegetable seedlings	Brinjal	Pusa Uttam	Pusa hybrid 05	1000	500	10
	Tomato		Pusa hybrid 2 & 4	800	400	08
	Chilli	Pusa Jawala		1000	500	10
	--	--	--	--	--	--
Fruits	--	--	--	--	--	--
	--	--	--	--	--	--
	--	--	--	--	--	--
Ornamental plants	Marigold	Pusa Narangi		1000	500	10
	--	--	--	--	--	--
	--	--	--	--	--	--
Medicinal and Aromatic	--	--	--	--	--	--
	--	--	--	--	--	--
	--	--	--	--	--	--
Plantation	--	--	--	--	--	--
	--	--	--	--	--	--
	--	--	--	--	--	--
Spices	--	--	--	--	--	--
	--	--	--	--	--	--
	--	--	--	--	--	--
Tuber	--	--	--	--	--	--
	--	--	--	--	--	--
	--	--	--	--	--	--
Fodder crop saplings	--	--	--	--	--	--
	--	--	--	--	--	--
	--	--	--	--	--	--
Forest Species	--	--	--	--	--	--
	--	--	--	--	--	--
	--	--	--	--	--	--
Others	--	--	--	--	--	--
	--	--	--	--	--	--
	--	--	--	--	--	--

## Production of Bio-Products

Bio Products	Name of the bio-product	Quantity	Value (Rs.)	No. of Farmers
		Kg		
Bio Fertilisers	Vermi compost	250	1500	05
	--	--	--	--
	--	--	--	--
Bio-pesticide	--	--	--	--
	--	--	--	--
	--	--	--	--
Bio-fungicide	--	--	--	--
	--	--	--	--
	--	--	--	--
Bio Agents	Worms	10	4750	05
	--	--	--	--
	--	--	--	--
Others	--	--	--	--
	--	--	--	--
<b>Total</b>	--	--	--	--

Table: Production of livestock materials

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

## VII. DETAILS OF SOIL, WATER AND PLANT ANALYSIS

Samples	No. of Samples	No. of Farmers	No. of Villages	Amount realized (Rs.)	No. of soil health cards distributed
Soil	629	508	310	4660	
Water	556	525	328	4190	
Plant	--	--	--	--	--
Manure	--	--	--	--	--
Others (pl.specify)	--	--	--	--	--
	--	--	--	--	--
<b>Total</b>	<b>1185</b>	<b>1033</b>	<b>638</b>	<b>8850</b>	

## VIII. SCIENTIFIC ADVISORY COMMITTEE

Name of KVK	Date of SAC Meeting	Participants
Rampura-Rewari(Hr.)	16.12.2019	16

## IX. NEWSLETTER/MAGAZINE

Name of News letter/Magazine	No. of Copies printed for distribution
News letter quarterly	1500
--	--
--	--
--	--

## X. PUBLICATIONS

Category	Number
Research Paper	--
Technical bulletins	--
Technical reports	03
Others (pl. specify) Article	08

## XI. DETAILS ON RAIN WATER HARVESTING STRUCTURE AND MICRO-IRRIGATION SYSTEM

Activities conducted				
No. of Training programmes	No. of Demonstration s	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)
--	--	--	--	--

## XII. INTERVENTIONS ON DISASTER MANAGEMENT/UNSEASONAL RAINFALL/HAILSTORM/COLD WAVES ETC

Introduction of alternate crops/varieties

Crops/cultivars	Area (ha)	Extent of damage	Recovery of damage through KVK initiatives if any
	--	--	--
	--	--	--
<b>Total</b>	<b>--</b>	<b>--</b>	<b>--</b>

Crops	Area (ha)	Number of beneficiaries
Oilseeds	--	--
Pulses	--	--
Cereals	--	--
Vegetable crops	--	--
Tuber crops	--	--
<b>Total</b>	--	--

## Farmers-scientists interaction on livestock management

Livestock components	Number of interactions	No.of participants
	--	--
	--	--
<b>Total</b>	--	--

## Animal health camps organised

Number of camps	No.of animals	No.of farmers
	--	--
	--	--
<b>Total</b>	--	--

### Seed distribution in drought hit states

Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers
	--	--	--
	--	--	--
<b>Total</b>	--	--	--

## Large scale adoption of resource conservation technologies

Crops/cultivars and gist of resource conservation technologies introduced	Area (ha)	Number of farmers
	--	--
	--	--
<b>Total</b>	--	--

## Awareness campaign

[illegible]



### XIII. DETAILS ON HRD ACTIVITIES

#### A. HRD activities organized in identified areas for KVK staff by the Directorate of Extension

Name of the SAU	Title of the training programmes	No of programmes	No. of Participants	No. of KVKs involved
	--	--	--	--
	--	--	--	--
<b>Total</b>	--	--	--	--

#### B. HRD activities organized in identified areas for KVK staff by ATARI

Title of the training programmes	No of programmes	No. of Participants	No. of KVKs involved
Group meeting in pulses under NFSM	--	--	--
Workshop cum training programme on pulses	--	--	--
Workshop cum training programme on pulses and oilseed	--	--	--
	--	--	--
<b>Total</b>	--	--	--

### XIV. CASE STUDIES (CASE STUDIES MAY BE GIVEN IN DETAIL AS PER THE FOLLOWING FORMAT)

*Each Zone should propose a minimum of three case studies with good action photographs (with captions on the backside of the hard copy of the photos) on the following topics*

- Effective popularization on a larger scale of any one FLD technology and its role in transformation of district agriculture with respect to that particular crop or enterprise*
  - Performance of the end results of any one technology assessed if any and its impact in district agriculture with respect to that crop or enterprise*
  - Effect of production and supply of seeds and planting material / animal breed / or bio-product and its impact on district agriculture with respect to that crop/ enterprise/ bio-product*
- The general format for preparing the above case studies are furnished below*

**Name of the KVK**

**Title-Self employed through rewinding of burnt electric motor**

The purpose of this training to empower the rural youth & farmers. Today the basic electric & rewinding of electric motor works are challengeable in rural areas due to lack of knowledge & non availability of trained mechanic.

#### **KVK Intervention –**

Krishi Vigyan Kendra started vocational training programme on electric motor rewinding & basic electric works at campus for initial three months.

KVK Rewari conducted this training programme every year and specially emphasis on domestic electric fitting, rewinding of single, three phase motors as well as submersible motor also.

#### **Impact –**

Almost every year 5-8 trainees are established motor winding works at own villages.

## Outcome –

Mr. Hitesh kumar resident of village Bohtwas Ahir started electric works initially at own village and he has established his works on Rewari city main bazaar. He trained other persons & done all electric works. He earned Rs.25000-30000/- per month.

## Title- Self employment for rural youths and farmers through Mushroom Production

**Introduction** – This vocational training organized to empowerment for rural youths and farmers. Today, land holding decreasing day by day in our country. Therefore, integrated farming basic need of farmers in present scenario Mushroom production units is an useful enterprises.

**KVK Intervention** – Krishi Vigyan Kendra started vocational training programme on Mushroom production technology on campus every years seven days duration in last four years. During the training period course cover on Mushroom production i.e. method of compost making , construction of mushroom house, preparation of casing soil, spawning, casing, control of humidity & temperature & insect disease management in detail.

**Impact** – about 98 rural youth has been trained in last 4 years (2016-17 to 2019-20). After training 20 trainees start mushroom units as enterprises in different village of this district.

**Outcome-** Mr. Inderjit s/o Bir singh residence of village Nahar established Mushroom production unit own village. He entered in this profession of Mushroom production at KVK during 2016-17.

- Established a Mushroom house size (60\*22\*12 feet) and started mushroom production in 1000 poly bags with investment of Rs.13500 and got net profit Rs. 51000 from sale of Mushroom and waste compost in just four months during 2016-17.
- During 2017-18 he enhanced the unit size to 2000 bags in two same size. Mushroom houses with an invest Rs. 245000 and got net profit Rs. 147000 from sale of Mushroom & waste compost.
- Further, during 2018-19 he increased unit size to 3000 bags in three Mushroom houses and obtained net profit Rs. 2,13000 with an investment Rs. 3,75000.
- Now, during 2019-20 he established pasteurized compost making unit at his farm by government help under KVK guidance and supplied 5000 compost (5000 bags) got net. Profit Rs.30000 with investment of Rs. 250000 in row material , spawning & casing soil.

## Title- Empowerment through value addition

**KVK Intervention:---** KVK, Rampura organized seasonal fruit and vegetables preservation programme. Because fruits and vegetable consumption is essential for good health. fruits and vegetable are imp. of our diet because they provide fiber, vitamins, and minerals, which are main source of nourishment and body building. Fruits and vegetable can be preserve when there is a glut of fruits and vegetable in market. We preserve fruits and vegetables when they are cheap in the season. Trainees prepared in preservation training like pickles, chutney, squashes, murraabba, candy, etc. By preservation training we develop skill that how to preserve seasonal fruits and vegetables. To improve nutritional requirements by taking the ideal food in diet.

**Output:--** After completing this Fruits and vegetables preservation course Mrs. Sunit Arora w/o Sh. Sharwan Arora start work on Fruits and vegetables pickles at her home. Now she prepared different types of pickles.

## Outcome:--

At present ,she earned Rs. 20,000 – 25000 Rs./- month for selling of different types of pickles

**Earning from pickles:---**

<b>Sr.</b>	<b>Item</b>	<b>Rates/kg.</b>	<b>Monthly income</b>
1.	Mango Pickle	200	6000
2.	Green chilli	160	2400
3.	Lasora	180	2700
4.	Teent	180	1800
5.	Lemon	200	4000
6.	Red Chili	200	4000

**XIII. STATUS REVOLVING FUNDS**

<b>Year</b>	<b>Opening balance as on 1<sup>st</sup> April</b>	<b>Income during the year</b>	<b>Expenditure during the year</b>	<b>Net balance in hand as on 1<sup>st</sup> April of each year</b>
April 2017 to March 2018	41,68,254.09	3,17,712.41	22,230.00	44,63,736.50
April 2018 to March 2019	44,63,736.50	2,60,801.50	--	47,24,538.00
December 2019	47,24,538.00	1,92,170.00	--	49,16,708.00

**The KVKs implementing VATICA, NARI & Doubling Farmers income should submit one page report with salient achievements along with photographs pertaining to year 2019.**