



Annual Action Plan (2020)



**KRISHI VIGYAN KENDRA
SHRI BHAGWAT BHAKTI ASHRAM
RAMPURA- REWARI, 123401 (HARYANA)**

DETAILS OF ACTION PLAN OF KVKs DURING 2020

(1st January 2020 to 31st December 2020)

1. GENERAL INFORMATION ABOUT THE KVK

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

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

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

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

1.2. b. Status of KVK website: Yes (kvkrewari.org)

1.2. c. No. of Visitors (Hits) to your KVK website (as on today): **19288**

1.2. d Status of ICT lab at your KVK : Yes

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

Name	Telephone / Contact		
	Office	Mobile	Email
Dr. Kapur Singh	01274-222475	9416475793	kapurrewari@gmail.com

1.4. Year of sanction: **1983**

1.5. Staff Position

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Grade Pay	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/ Others)	Mobile No.	Email id	Please attach recent photograph
1	Programme Coordinator	Dr. Kapur Singh	Programme Coordinator	Plant Pathology	37400-67000	9000	70185	02.02.01	Permanent	OBC	9416475793	kapurrewari@gmail.com	
2	Subject Matter Specialist	Sh. V. J. Singh	SMS	Agronomy	15600-39100	5400	38418	10.10.1995	Permanent	Other	9416214811	jeetm67@gmail.com	
3	Subject Matter Specialist	Dr. Pramod Kumar	SMS	Horticulture	15600-39100	5400	31763	24.07.1995	Permanent	OBC	9255182084	pkyrnm@gmail.com	
4	Subject Matter Specialist	Vacant	SMS	Animal Sci.	15600-39100	5400	--	--	--	--	--	--	--
5	Subject Matter Specialist	Vacant	SMS	Extension	15600-39100	5400	--	--	--	--	--	--	--
6	Subject Matter Specialist	Er. Raj Kumar	SMS	Agril. Engg.	15600-39100	5400	26601	27.04.2011	Permanent	OBC	9416926163	rajguru567@gmail.com	
7	Subject Matter Specialist	Anil Kumar Yadav	SMS	Soil science	15600-39100	5400	25826	02.07.12	Permanent	OBC	9813719455	anilyadav878@gmail.com	
8	Programme Assistant	Smt. Rajkumari		Home Science	9300-34800	4200	27258	01.05.92	Permanent	OBC	9896167772	rajbhatotiya@rediffmail.com	

9	Farm manager	Vacant	Farm manager	--	9300-34800	4200	--	--	--	--	--	--	--
10	Computer Programmer	Smt. Ritu Yadav		Official	9300-34800	4200	17102	11.03.11	Permanent	OBC/PH	9466517139	rituyadav.yadav122@gmail.com	
11	Accountant / Superintendent	Shri Dilip Kumar		Official	9300-34800	4200	21826	30.11.05	Permanent	Other	9253331868	dilipkumarvk@gmail.com	
12	Stenographer	Sh. Davender Kumar		Official	5200-20200	2400	13720	01.04.95	Permanent	OBC	9466885450	sendavender@gmail.com	
13	Driver	Vacant		Vacant	5200-20200	2000	--	--	--	--	--	--	--
14	Driver	Sh. Hariom		Driver	5200-20200	2000	13720	01.06.95	Permanent	OBC	8930565377	--	
15	Supporting staff	Sh. Narain		Supporting Staff	5200-20200	1800	11718	28.04.84	Permanent	OBC	8570852800	--	
16	Supporting staff	Sh. Inderpal		Supporting Staff	5200-20200	1800	7000	01.12.2019	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.	Horticulture	3.0
5.	Pond	--
6.	Others if any	--
Total		20.8

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Year	Plinth area (Sq.m)	Expenditure (Rs.)	Starting year	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	--	--	--	--
4.	Demonstration Units (2)	--	--	--	--	--	--	--
5	Fencing	--	--	--	--	--	--	--
6	Rain Water harvesting system	--	--	--	--	--	--	--
7	Threshing floor	--	--	--	--	--	--	--
8	Farm godown	--	--	--	--	--	--	--
9	Other	--	--	--	--	--	--	--

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Jeep	31.3.2006	4,98,741.00	14,400	Good
Tractor	30.3.1998	2,85,000.00	12742	Condemned

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
AV aids			
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
Office Equipment			
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
Autoclave Vertical	2010	60,000/-	Good
Bodinculator	2010	89,000/-	Good
Laminar Air flow	2010	64,000/-	Good
Micro oven	2010	5,300/-	Good
Head 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
Farm equipments			
Cultivator	1990	7,500/-	Good
Thresher	2001	50,000/-	Good
ZT machine	2012	47,500/-	Good

1.8. A). Details of SAC meetings to be conducted in the year

Sl. No.	Date
1. Scientific Advisory Committee Meeting	November, 2020

2. DETAILS OF DISTRICT**2.1 Major farming systems/enterprises (based on the analysis made by the KVK)**

S. No	Farming system/enterprise
1	Agricultural + Animal Husbandry
2	Agricultural + Animal Husbandry + Horticulture
3	Bajra – wheat
4	Bajra – mustard
5	Cotton – wheat
6	Guar – wheat

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

a) Soil type

Sl. No.	Agro-climatic Zone	Characteristics
1	Western Zone (HR 2)	<p>Climate: The district falls under hot and semi-arid climatic zone with extremes of temperature (2.0°C-47°C) in months of December & January are of severe cold and the months of May & 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>Soil Type: 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>

b) Topography

S. No.	Agro ecological situation	Characteristics
1	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.
2	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 Types

S. No	Soil type	Characteristics	Area in ha
1	Loamy sand	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.	--
2	Sandy loam	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.	--

2.4. Area, Production and Productivity of major crops cultivated in the district (2018-19)

S. No	Crop	Area (ha)	Production (MT)	Productivity (Qt./ha)
1	Wheat	49300	--	--
2	Mustard	67100	--	--
3	Barley	1600	--	--
4	Paddy	2000	5000	23.11
5	Bajra	68000	133000	19.55
6	Cotton	8000	23000*	4.82

Source: District agriculture department. , Rewari (2016-17) * Bales (170 kg/bale)

2.5. Weather data (2019)

Month	Rainfall (mm)	Temperature 0 C		Relative Humidity (%)	
		Maximum	Minimum	Maximum	Minimum
January	13.8	18.90	5.60	84.25	48.00
February	8.3	20.60	8.20	74.65	45.50
March	6.3	25.60	10.10	72.0	40.0
April	22.5	38.52	20.40	50.75	16.50
May	17.5	39.35	21.08	47.00	17.00
June	33.0	40.54	28.86	55.20	27.80
July	186.8	35.25	27.35	78.25	23.75
August	92.3	33.8	25.92	89.60	63.40
September	33.3	32.95	24.45	89.50	57.50
October	8.3	33.13	18.60	84.50	36.25
November	--	27.54	14.80	86.40	41.40
December	21.5	17.28	6.15	94.25	67.50

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

Category	Population	Production	Productivity
Cattle			
<i>Crossbred</i>	36674	--	--
<i>Indigenous</i>	46522	--	--
Buffalo	237615	--	--
Sheep	9698	--	--
Goats	23237	--	--
Pigs	4469		
<i>Crossbred</i>	1781	--	--
<i>Indigenous</i>	2688	--	--
Rabbits	26	--	--
Poultry			
Hens	1654	--	--
<i>Desi</i>	1099	--	--
Category		Production (Q.)	Productivity
Fish (Reservoir)	514.8 ha	3385 tonns	6.57 tonns/ha

*Statistical report of Haryana (2015-16)

2.7 Details of Operational area / Villages

Taluka	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
	Khol	Nimoth, Manethi, Dhawana, Khaleta	Bajra, guar, mustard, wheat, dairying, ber, citrus, marigold, bottle guard, okra, brinjal	<ul style="list-style-type: none"> • Heavy incidence of weeds in bajra & guar • Improper seed treatment & BLB in guar • No use of P in bajra & guar • Improper selection of hybrids • Stem rot incidence in mustard • Use of high dose of P & no use of S in mustard • Improper seed treatment, termite infestation during maturity in wheat • Fruit fly infestation in vegetable crops • Sodic soil and water condition • Marketing problem of marigold 	<ul style="list-style-type: none"> • Integrated weed management • Balanced use of fertilizer • Seed treatment • Application of micro-nutrients • Insect pest management • Use of high yielding varieties
	Rewari	Dungarwas, Khaliyawas, Khatawali	Bajra, guar, mustard, wheat, dairying, ber, okra, bottle guard	<ul style="list-style-type: none"> ❖ No use of P & weeds infestation in bajra ❖ Improper seed treatment & BLB incidence in guar ❖ Unbalanced use of fertilizers in wheat & mustard ❖ Improper seed treatment & less use of bio-fertilizers in wheat ❖ Use of non-descriptive varieties of vegetable crops ❖ Fruit fly attack on Bottle guard ❖ Lack of green fodder & use of unbalanced diet for milch animals ❖ Sodic soil and water condition 	<ul style="list-style-type: none"> • Application of balanced fertilizer • Use of high yielding varieties • Insect pest management • Seed treatment • Integrated nutrient management

2.8 Priority thrust areas

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

Guava	<ul style="list-style-type: none"> • Integrated Nutrient Management (INM) • Fruit fly management
Citrus fruits	<ul style="list-style-type: none"> • Integrated Nutrient Management (INM) • Fruit drops and splitting management • Integrated disease management (IDM)
Marigold	<ul style="list-style-type: none"> • High yielding varieties • Nursery raising and transplanting • Seed production
Livestock	<ul style="list-style-type: none"> • Dairy farming • Goat farming
Agricultural Engineering	<ul style="list-style-type: none"> • Popularization of precision farming, custom hiring of implements and resource conservation technologies i.e. zero tillage, laser land levelling, Reversible MB plough etc. • Popularization of drip and sprinkler irrigation systems
Agricultural Extension	<ul style="list-style-type: none"> • Formation of SHG and farmers' club • Capacity building • ICT and its application • Farmers' producer organization
Women empowerment	<ul style="list-style-type: none"> • Tailoring and stitching • Preservation of fruits and vegetables • Value addition in aonla

3. TECHNICAL PROGRAMME

3. A. Details of targeted mandatory activities by KVK

OFT (1)		FLD (2)	
Number of OFTs	Number of Farmers	Area (ha)	Number of Farmers
11	110	180	555
Training (3)		Extension Activities (4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
112	2202	126	--
Seed Production (Qtl.) (5)	Planting material (Nos.) (6)	Fish seed prod. (Nos) (7)	Soil Samples (8)
--	--	--	550

3. B. Abstract of interventions to be undertaken

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.
1	--	--	--	--	--	--	--	--	--
2									
3									

3.1 Technologies to be assessed and refined

A.1 Abstract on the number of technologies to be assessed in respect of crops

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation	--	--	--	--	--	--	--	--	--	--
Seed / Plant production	--	--	--	--	--	--	--	--	--	--
Weed Management	--	--	--	--	--	--	--	--	--	--
Integrated Crop Management	--	--	--	--	--	--	--	--	--	--
Integrated Nutrient Management	--	--	--	--	--	--	--	--	--	--
Integrated Farming System	--	--	--	--	--	--	--	--	--	--
Mushroom cultivation	--	--	--	--	--	--	--	--	--	--
Drudgery reduction	--	--	--	--	--	--	--	--	--	--
Farm machineries	--	--	--	--	--	--	--	--	--	--
Value addition	--	--	--	--	--	--	--	--	--	--
Integrated Pest Management	--	--	--	--	--	--	--	--	--	--
Integrated Disease Management	--	--	--	--	--	--	--	--	--	--
Resource conservation technology	--	--	--	--	--	--	--	--	--	--
Small Scale income generating enterprises	--	--	--	--	--	--	--	--	--	--
TOTAL	--	--	--	--	--	--	--	--	--	--

A.2 Abstract on the number of technologies to be refined in respect of crops

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Kitchen garden	Tuber Crops	TOTAL
Varietal Evaluation	--	--	--	--	--	--	--	--	--	--
Seed / Plant production	--	--	--	--	--	--	--	--	--	--
Weed Management	--	--	--	--	--	--	--	--	--	--
Integrated Crop Management	--	--	--	--	--	--	--	--	--	--
Integrated Nutrient Management	--	--	--	--	--	--	--	--	--	--
Integrated Farming System	--	--	--	--	--	--	--	--	--	--
Mushroom cultivation	--	--	--	--	--	--	--	--	--	--
Drudgery reduction	--	--	--	--	--	--	--	--	--	--
Farm machineries	--	--	--	--	--	--	--	--	--	--
Post Harvest Technology	--	--	--	--	--	--	--	--	--	--
Integrated Pest Management	--	--	--	--	--	--	--	--	--	--
Integrated Disease Management	--	--	--	--	--	--	--	--	--	--
Resource conservation technology	--	--	--	--	--	--	--	--	--	--
Small Scale income generating enterprises	--	--	--	--	--	--	--	--	--	--
TOTAL	--	--	--	--	--	--	--	--	--	--

A.3. Abstract on the number of technologies to be assessed in respect of livestock / enterprises

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Wormi culture	Fisheries	TOTAL
Evaluation of Breeds	--	--	--	--	--	--	--	--
Nutrition Management	--	--	--	--	--	--	--	--
Disease of Management	--	--	--	--	--	--	--	--
Value Addition	--	--	--	--	--	--	--	--
Production and Management	--	--	--	--	--	--	--	--
Feed and Fodder	--	--	--	--	--	--	--	--
Small Scale income generating enterprises	--	--	--	--	--	--	--	--
TOTAL	--	--	--	--	--	--	--	--

A.4. Abstract on the number of technologies to be refined in respect of livestock / enterprises

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitary	Fisheries	TOTAL
Evaluation of Breeds	--	--	--	--	--	--	--	--
Nutrition Management	--	--	--	--	--	--	--	--
Disease of Management	--	--	--	--	--	--	--	--
Value Addition	--	--	--	--	--	--	--	--
Production and Management	--	--	--	--	--	--	--	--
Feed and Fodder	--	--	--	--	--	--	--	--
Small Scale income generating enterprises	--	--	--	--	--	--	--	--
TOTAL	--	--	--	--	--	--	--	--

B. Details of On Farm Trial

OFT- 1 :-Integrated nutrient management in pearl millet

Farming situation- Irrigated

Crop sequence - Wheat - Pearl millet

Problem Identified	Major Cause of Problem	Technological Intervention	Source of technology	Critical inputs	Cost of critical input	Area of OFT (ha)	No. of Farmers	Performance indicators
Deficiency of major nutrients and marginal deficiency of secondary and micro-nutrients in the field of pearl millet	Imbalanced use of fertilizer	T ₁ FP NPK (60:25:0) T ₂ NPK(156:62.5:30)+50 qt. City compost and bio fertilizer	(CCSHAU)	DAP = 250 kg, Urea = 500 kg, MOP = 200kg, City compost = 50 qt, Bio fertilizer = 1250ml	14600	0.4 ha each trial	10	Technical 1. No of tillers/plant 2. Length of ear head 3. Yield (Grain & straw) Economical 1. Gross Cost 2. Gross return 3. Net return 4. B: C: Ratio Farmers reaction

OFT -2 :- Assessment of balanced fertilization on yield of cotton

Farming situation- Irrigated

Crop sequence - Wheat - Cotton

Problem Identified	Major Cause of Problem	Technological Intervention	Source of technology	Critical inputs	Cost of critical input	Area of OFT (ha)	No. of Farmers	Performance indicators
Low yield and appearance of nutrient deficiency symptoms at flowering and boll formation stage.	Deficiency of nutrients in the soil and no use of recommended fertilizer	T ₁ NPK & Zn (23:10:0:0) FP T ₂ NPK & Zn (175:60:60:25) Rec	(CCSHAU)	DAP = 250 kg, Urea = 750 kg, MOP = 200kg, Zinc sulphate = 50 kg	12850	0.4 ha each trial	10	Technical Plant height (cm) No of bolls/plant Boll weight (g) Yield Economical 1. Gross Cost 2. Gross return 3. Net return 4. B: C: Ratio Farmers reaction

OFT- 3 :- Weed management in Summer Moong

Farming situation- Irrigated

Crop sequence- Mustard – Summer Moong

Problem Identified	Major Cause of Problem	Technological Intervention	Source of technology	Critical inputs	Cost of critical input	Area of OFT (ha)	No. of Farmers	Performance indicators
Low yield	Incidence of weeds	T ₁ Control T ₂ Pendimethalin 300ml/ha pre-emerge or Quizalofop-ethyl.800ml/h post -emerge	-- DWSR Jabalpur	Pendimethalin Quizalofop-ethyl	2400/- 1200/-	0.4 ha each trial	10	Technical 1. No.of pods/plant 2. No. of seeds/pod 3. No. of weeds/sq.m 4. Yield Economical 1. Gross Cost 2. Gross return 3. Net return 4. B: C: Ratio Farmers reaction

OFT- 4:- Performance of different sowing time of African Marigold(P.Bahar)

Farming situation- Irrigated

Crop sequence- Mustard – Marigold

Problem Identified	Major Cause of Problem	Technological Intervention	Source of technology	Critical inputs	Cost of critical input	Area of OFT (ha)	No. of Farmers	Performance indicators
Low yield	No survival of existing varieties of African marigold during winter	T ₁ Mid Sept. (FP) T ₂ Mid October	IARI, New Delhi	Seed 2kg.	15000	03	10	Technical 1. Duration of flowering 2. Yield Economical 1. Gross Cost 2. Gross return 3. Net return 4. B: C: Ratio Farmers reaction

OFT- 5 :- Assessment of Okra varieties against yellow vein mosaic virus

Farming situation- Irrigated

Crop sequence- Mustard – Okra

Problem Identified	Major Cause of Problem	Technological Intervention	Source of technology	Critical inputs	Cost of critical input	Area of OFT (ha)	No. of Farmers	Performance indicators
Low yield due to mosaic virus disease	Incidence of yellow vein mosaic virus	T ₁ ArkaAnamika (FP) T ₂ Pusa.Bhindi-5	IARI, New Delhi	Seed 60kg	15000	0.4 ha each trial	10	Technical 1. Disease incidence 2. Yield Economical 1. Gross Cost 2. Gross return 3. Net return 4. B: C: Ratio Farmers reaction

OFT- 6 :-Management of zinc deficiency in citrus orchard

Farming situation- Irrigated

Crop sequence- – Orchard

Problem Identified	Major Cause of Problem	Technological Intervention	Source of technology	Critical inputs	Cost of critical input	Area of OFT (ha)	No. of Farmers	Performance indicators
Appearance of zinc deficiency symptoms resulting low yield	No use of Zinc sulphate fertilizer	T ₁ Control T ₂ Two Spray of zinc sulphate (0.5%) and slaked lime(0.25%)	CCSHAU, Hisar	Zinc sulphate 50kg and lime 25kg	10,000	0.4 ha each trial	10	Technical 1. Zinc deficiency incidence 2. Yield Economical 1. Gross Cost 2. Gross return 3. Net return 4. B: C: Ratio Farmers reaction

OFT- 7 :- Assessment of different varieties of wheat

Farming situation- Irrigated

Crop sequence-Pearl millet– Okra

Problem Identified	Major Cause of Problem	Technological Intervention	Source of technology	Critical inputs	Cost of critical input /ha.	Area of OFT (ha)	No. of Farmers	Performance indicators
Low yield	Low yield potential of existing varieties	T1- HD- 2967 (FP) T2- HD-3226	100 kg / ha. seed 100 kg / ha. seed	IARI	12000	0.4 ha each trial	10	Technical 1. No. of tillers/plant 2. Grains per spike 3. Spike length 4. Yield/ha Economical 1. Gross Cost 2. Gross return 3. Net return 4. B: C: Ratio Farmers reaction

OFT- 8 :-Assessment of different seed rate of Chickpea

Farming situation- Irrigated

Crop sequence-Pearl millet– Chickpea

Problem Identified	Major Cause of Problem	Technological Intervention	Source of technology	Critical inputs	Cost of critical input /ha.	Area of OFT (ha)	No. of Farmers	Performance indicators
Low yield	Less plant population	T1- 40 kg/ha. T2- 60 kg/ha.	-- AU Jodhpur	Seed	20,000/-	0.4 ha each trial	10	Technical 1. No.of pods/plant 2. No. of seeds/pod 3. Yield Economical 1. Gross Cost 2. Gross return 3. Net return 4. B: C: Ratio Farmers reaction

OFT- 9 :- Assessment of Zn and Fe fertilization on yield of wheat

Farming situation- Irrigated

Crop sequence-Cotton– Wheat

Problem Identified	Major Cause of Problem	Technological Intervention	Source of technology	Critical inputs	Cost of critical input	Area of OFT (ha)	No. of Farmers	Performance indicators
Deficiency symptoms of Zn and Fe identified in the standing crop of wheat.	Zn and Fe deficiency in the soil decline 5 to 10% yield.	T ₁ (Zn =10 kg/ha (mono hydrate) and Fe = 0) FP T ₂ 25 kg ZnSO ₄ /ha (hepta hydrate) as basal dose and Foliar application of 0.5% FeSO ₄	CCSHAU	Zinc sulphate = 50 kg, Ferrous sulphate = 10 kg	2250/-	0.4 ha each trial	10	Technical Length of spike No. of grains per spike No. of tillers per plant Yield (Grain & straw) Economical 1. Gross Cost 2. Gross return 3. Net return 4. B: C: Ratio Farmers reaction

OFT - 10 :- Assessment of mulching technology in tomato cultivation

Farming situation- Irrigated

Crop sequence-Bottle guard–Tomato

Problem Identified	Major Cause of Problem	Technological Intervention	Source of technology	Critical inputs	Cost of critical input	Area of OFT (ha)	No. of replication s/Farmers	Performance indicators
Low yield, Poor quality	Quality deterioration, High weeds infestation, Inefficient use of irrigation water	T ₁ - Without mulching (FP) T ₂ - Plastic mulch @ 25 microns	CCSHAU, Hissar	Plastic mulch @ 25 microns	--	4.0	10	Technical No. of fruits/plant Yield Economical Gross Cost Gross return Net return B: C: Ratio Farmers reaction

OFT - 11 :- Assessment of cotton planter

Farming situation- Irrigated

Crop sequence-Wheat–Cotton

Problem Identified	Major Cause of Problem	Technological Intervention	Source of technology	Critical inputs	Cost of critical input	Area of OFT (ha)	No. of Farmers	Performance indicators
Low yield and high cost of cultivation	Poor germination, more requirement of man power and time	T ₁ - Dibbling method (FP) T ₂ - Cotton planter	CCSHAU, Hissar	Cotton planter	--	4.0	10	Technical Yield Man hour No. of balls /plant germination (%) Economical Gross Cost Gross return Net return B: C: Ratio Farmers reaction

3.2 Frontline Demonstrations (NEW)

A. Details of FLDs to be organized –

Sl. No.	Crop	Variety	Thematic area	Technology for demonstration	Critical inputs	Season & year	Area (ha)	No. of farmer/ demo	Parameters identified
1	Bajra	HHB-226	ICM	Varietal, Nutrient Management, Weed Management	Seed, NPK, Zinc, Atrazin	Kharif, 2020	16	40	No. of tillers, Weed infestation, yield, B: C ratio
2	Summer moong	MH-421	ICM	Varietal, Seed treatment, Nutrient management, Weed Management and Insect-pest management	Seed, Rhizobium,PSB, Zink Sulphate,,	Kharif, 2020	20	50	No. of pods per plant, pods length, No of grain per pod,Yield, B: C ratio
3	Sesame	RT-351	ICM	Varietal, Seed treatment, Nutrient management, Weed Management and Insect-pest management	Seed city-compost, Insecticide (Quinalphos)	Kharif, 2020	20	50	No. of pods per plant, pods length, No of grain per pod,Yield, B: C ratio
4	Mustard	DRMRIJ-31	ICM	Varietal, Seed treatment, Nutrient management, Weed Management and Insect-pest management	Seed Bawastin, culture ZnSo4, Sulphur, M-48 melathian	Rabi, 2020	40	100	No. of siliqua per plant,siliqua length, No of grain per siliqua
5	Wheat	HD-3086, HD-2967	ICM	Varietal, Seed treatment	Seed Bawastin culture	Rabi, 2020	12	30	No. of tillers spike length grain per spike
6	Gram	CSJ-515	ICM	Varietal, Seed treatment, Nutrient management, Weed Management and Insect-pest management	Seed, Rhizobium,PSB, Zink Sulphate,,	Rabi, 2020	30	75	No. of pods per plant, pods length, No of grain per pod,Yield, B: C ratio
7	Guar	HG 2-20	ICM	Varietal,Seed treatment	Seed,	Kharif, 2020	4	10	No. of pods per plant, pods length, No of grain per pod,Yield, B: C ratio
8	Marigold	Pusa Deep	ICM	Nursery management, pinching and IPM	Seed, Insecticides and fungicide	Kharif	02	10	Yield, BC Ratio and duration of flowering
9	Bottle gourd	Pusa Hybrid-3	ICM	Sowing method, sowing time, staking, pest management	Seed Insecticides and fungicide	Kharif, 2020	04	10	Yield, BC Ratio and duration of fruiting
10	Carrot	Pusa Vrishti	ICM	Varietal , sowing time and sowing method(Ridge) Nutrients management	Seed and fertilizers	Rabi	02	10	Yield, BC Ratio Days taken to harvesting
11	Onion	Pusa Ridhi	ICM	Varietal, sowing time ,nursery management and seedlings transplanting, pest management	Seed Insecticides and fungicide	Rabi	02	10	Yield, BC Ratio bolting incidence percent
12	Wheat	HD-2967	RCT	ZT Drill	ZT machine	Rabi	20	50	Yield, BC Ratio
13	Guar	HG- 2-20	Weed management	Twine hand wheel hoe	Twine hand wheel hoe	Kharif	10	25	Yield, BC Ratio

Sponsored Demonstration

Crop	Area (ha)	No. of farmers
--	--	--

B. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Field Days	10	Kharif, 2020 and Rabi, 2020-21	500
2	Farmers training	15	--	250
3	Press Media	10	2020-21	Mass
4	Training for extension functionaries	05	2020-21	75

C. Details of FLD on Enterprises**(i) Farm Implements**

Name of the implement	Crop/	Season and year	No. of farmers	Area (ha)	Critical inputs	Performance parameters / indicators
Sowing of wheat using ZT Machine	Wheat	2020-21	40	20	ZT machine for sowing	Yield, B: C ratio
Weed management using Twine hand wheel hoe	Guar	2020-21	25	10	Twine hand wheel hoe	Yield, B: C ratio
Weed management in bajra using Kasola	Bajra	2020	20	10	Kasola	Yield, BC ratio

(ii) Livestock Enterprises

Enterprise	Breed	No. of farmers	No. of animals, poultry birds/ha. etc.	Critical inputs	Performance parameters / indicators
--	--	--	--	--	--
--	--	--	--	--	--

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

A) ON Campus

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	01	15	0	15	5	0	5	20
Resource Conservation Technologies	--	--	--	--	--	--	--	--
Cropping Systems	--	--	--	--	--	--	--	--
Crop Diversification	--	--	--	--	--	--	--	--
Integrated Farming	--	--	--	--	--	--	--	--
Water management	--	--	--	--	--	--	--	--
Seed production	--	--	--	--	--	--	--	--
Nursery management	--	--	--	--	--	--	--	--
Integrated Crop Management	05	75	0	75	25	0	25	100
Fodder production	--	--	--	--	--	--	--	--
Production of organic inputs	--	--	--	--	--	--	--	--
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	01	15	0	15	5	0	5	20
Off-season vegetables	--	--	--	--	--	--	--	--
Nursery raising	01	15	0	15	5	0	5	20
Exotic vegetables like Broccoli	--	--	--	--	--	--	--	--
Export potential vegetables	--	--	--	--	--	--	--	--
Grading and standardization	--	--	--	--	--	--	--	--
Protective cultivation (Green Houses, Shade Net etc.)	01	15	0	15	5	0	5	20
b) Fruits								
Training and Pruning	--	--	--	--	--	--	--	--
Layout and Management of Orchards	--	--	--	--	--	--	--	--
Cultivation of Fruit	--	--	--	--	--	--	--	--
Management of young plants/orchards	--	--	--	--	--	--	--	--
Rejuvenation of old orchards	--	--	--	--	--	--	--	--
Export potential fruits	--	--	--	--	--	--	--	--
Micro irrigation systems of orchards	--	--	--	--	--	--	--	--
Plant propagation techniques	--	--	--	--	--	--	--	--
c) Ornamental Plants								
Nursery Management	01	15	0	15	5	0	5	20
Management of potted plants	--	--	--	--	--	--	--	--
Export potential of ornamental plants	--	--	--	--	--	--	--	--
Propagation techniques of Ornamental Plants	--	--	--	--	--	--	--	--
d) Plantation crops								
Production and Management technology	--	--	--	--	--	--	--	--
Processing and value addition	--	--	--	--	--	--	--	--
e) Tuber crops								
Production and Management technology	--	--	--	--	--	--	--	--
Processing and value addition	--	--	--	--	--	--	--	--
f) Spices								

Production and Management technology	--	--	--	--	--	--	--	--
Processing and value addition	--	--	--	--	--	--	--	--
g) Medicinal and Aromatic Plants								
Nursery management	--	--	--	--	--	--	--	--
Production and management technology	--	--	--	--	--	--	--	--
Post harvest technology and value addition	--	--	--	--	--	--	--	--
III Soil Health and Fertility Management								
Soil fertility management	--	--	--	--	--	--	--	--
Soil and Water Conservation	--	--	--	--	--	--	--	--
Integrated Nutrient Management	01	15	0	15	5	0	5	20
Production and use of organic inputs	--	--	--	--	--	--	--	--
Management of Problematic soils	01	15	0	15	5	0	5	20
Micro nutrient deficiency in crops	--	--	--	--	--	--	--	--
Nutrient Use Efficiency	--	--	--	--	--	--	--	--
Soil and Water Testing	--	--	--	--	--	--	--	--
IV Livestock Production and Management								
Dairy Management	--	--	--	--	--	--	--	--
Poultry Management	--	--	--	--	--	--	--	--
Piggery Management	--	--	--	--	--	--	--	--
Rabbit Management/goat	--	--	--	--	--	--	--	--
Disease Management	--	--	--	--	--	--	--	--
Feed management	--	--	--	--	--	--	--	--
Production of quality animal products	--	--	--	--	--	--	--	--
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	--	--	--	--	--	--	--	--
Design and development of low/minimum cost diet	--	--	--	--	--	--	--	--
Designing and development for high nutrient efficiency diet	--	--	--	--	--	--	--	--
Minimization of nutrient loss in processing	--	--	--	--	--	--	--	--
Gender mainstreaming through SHGs	--	--	--	--	--	--	--	--
Storage loss minimization techniques	--	--	--	--	--	--	--	--
Value addition	02	0	20	20	0	10	10	30
Income generation activities for empowerment of rural Women	02	0	20	20	0	10	10	30
Location specific drudgery reduction technologies	--	--	--	--	--	--	--	--
Rural Crafts	--	--	--	--	--	--	--	--
Women and child care	--	--	--	--	--	--	--	--
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems	01	15	0	15	5	0	5	20
Use of Plastics in farming practices	01	15	0	15	5	0	5	20
Production of small tools and implements	--	--	--	--	--	--	--	--
Repair and maintenance of farm machinery and implements	01	15	0	15	5	0	5	20
Small scale processing and value addition	--	--	--	--	--	--	--	--
Post Harvest Technology	--	--	--	--	--	--	--	--
VII Plant Protection								
Integrated Pest Management	--	--	--	--	--	--	--	--
Integrated Disease Management	--	--	--	--	--	--	--	--
Bio-control of pests and diseases	--	--	--	--	--	--	--	--
Production of bio control agents and bio pesticides	--	--	--	--	--	--	--	--
VIII Fisheries								
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	--	--	--	--	--	--	--	--
IX Production of Inputs at site								
Seed Production	--	--	--	--	--	--	--	--
Planting material production	--	--	--	--	--	--	--	--
Bio-agents production	--	--	--	--	--	--	--	--
Bio-pesticides production	--	--	--	--	--	--	--	--
Bio-fertilizer production	--	--	--	--	--	--	--	--
Vermi-compost production	--	--	--	--	--	--	--	--
Organic manures production	--	--	--	--	--	--	--	--
Production of fry and fingerlings	--	--	--	--	--	--	--	--
Production of Bee-colonies and wax sheets	--	--	--	--	--	--	--	--
Small tools and implements	--	--	--	--	--	--	--	--
Production of livestock feed and fodder	--	--	--	--	--	--	--	--
Production of Fish feed	--	--	--	--	--	--	--	--
X Capacity Building and Group Dynamics								
Leadership development	--	--	--	--	--	--	--	--
Group dynamics	--	--	--	--	--	--	--	--
Formation and Management of SHGs	--	--	--	--	--	--	--	--
Mobilization of social capital	--	--	--	--	--	--	--	--
Entrepreneurial development of farmers/youths	--	--	--	--	--	--	--	--
WTO and IPR issues	--	--	--	--	--	--	--	--
XI Agro-forestry								
Production technologies	--	--	--	--	--	--	--	--
Nursery management	--	--	--	--	--	--	--	--
Integrated Farming Systems	--	--	--	--	--	--	--	--
XII Others (Pl. Specify)								
TOTAL	19	225	40	265	75	20	95	360
(B) RURAL YOUTH								
Mushroom Production	01	15	0	15	5	0	5	20
Bee-keeping	--	--	--	--	--	--	--	--
Integrated farming	--	--	--	--	--	--	--	--
Seed production	--	--	--	--	--	--	--	--
Production of organic inputs	--	--	--	--	--	--	--	--
Integrated Farming (Medicinal)	--	--	--	--	--	--	--	--
Planting material production	--	--	--	--	--	--	--	--
Vermi-culture	01	15	0	15	5	0	5	20
Sericulture	--	--	--	--	--	--	--	--
Protected cultivation of vegetable crops	--	--	--	--	--	--	--	--
Commercial fruit production	--	--	--	--	--	--	--	--
Repair and maintenance of farm machinery and implements	01	15	0	15	5	0	5	20

Nursery Management of Horticulture crops	01	15	0	15	5	0	5	20
Training and pruning of orchards	--	--	--	--	--	--	--	--
Value addition	--	--	--	--	--	--	--	--
Production of quality animal products	--	--	--	--	--	--	--	--
Dairying	--	--	--	--	--	--	--	--
Sheep and goat rearing	--	--	--	--	--	--	--	--
Quail farming	--	--	--	--	--	--	--	--
Piggery	--	--	--	--	--	--	--	--
Rabbit farming	--	--	--	--	--	--	--	--
Poultry production	--	--	--	--	--	--	--	--
Ornamental fisheries	--	--	--	--	--	--	--	--
Para vets	--	--	--	--	--	--	--	--
Para extension workers	--	--	--	--	--	--	--	--
Composite fish culture	--	--	--	--	--	--	--	--
Freshwater prawn culture	--	--	--	--	--	--	--	--
Shrimp farming	--	--	--	--	--	--	--	--
Pearl culture	--	--	--	--	--	--	--	--
Cold water fisheries	--	--	--	--	--	--	--	--
Fish harvest and processing technology	--	--	--	--	--	--	--	--
Fry and fingerling rearing	--	--	--	--	--	--	--	--
Small scale processing	01	15	0	15	5	0	5	20
Post Harvest Technology	--	--	--	--	--	--	--	--
Tailoring and Stitching	--	--	--	--	--	--	--	--
Rural Crafts	--	--	--	--	--	--	--	--
TOTAL	05	75	0	75	25	0	25	100
(C) Extension Personnel								
Productivity enhancement in field crops	02	30	0	30	10	0	10	40
Integrated Pest Management								
Integrated Nutrient management	02	30	0	30	10	0	10	40
Rejuvenation of old orchards	--	--	--	--	--	--	--	--
Protected cultivation technology	--	--	--	--	--	--	--	--
Formation and Management of SHGs	--	--	--	--	--	--	--	--
Group Dynamics and farmers organization	--	--	--	--	--	--	--	--
Information networking among farmers	--	--	--	--	--	--	--	--
Capacity building for ICT application	--	--	--	--	--	--	--	--
Care and maintenance of farm machinery and implements	02	30	0	30	10	0	10	40
WTO and IPR issues	--	--	--	--	--	--	--	--
Management in farm animals	--	--	--	--	--	--	--	--
Livestock feed and fodder production	--	--	--	--	--	--	--	--
Household food security	--	--	--	--	--	--	--	--
Women and Child care	--	--	--	--	--	--	--	--
Low cost and nutrient efficient diet designing	--	--	--	--	--	--	--	--
Production and use of organic inputs	--	--	--	--	--	--	--	--
Gender mainstreaming through SHGs	--	--	--	--	--	--	--	--
Any other (Pl. Specify)	--	--	--	--	--	--	--	--
TOTAL	06	90	0	90	30	0	30	120
G. Total	30	390	40	430	130	20	150	580

B) OFF Campus

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	04	60	0	60	20	0	20	80
Resource Conservation Technologies	--	--	--	--	--	--	--	--
Cropping Systems	--	--	--	--	--	--	--	--
Crop Diversification	02	30	0	30	10	0	10	40
Integrated Farming	--	--	--	--	--	--	--	--
Water management	--	--	--	--	--	--	--	--
Seed production	--	--	--	--	--	--	--	--
Nursery management	--	--	--	--	--	--	--	--
Integrated Crop Management	07	105	0	105	35	0	35	140
Fodder production	02	30	0	30	10	0	10	40
Production of organic inputs	--	--	--	--	--	--	--	--
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	04	60	0	60	20	0	20	80
Off-season vegetables	02	30	0	30	10	0	10	40
Nursery raising	05	75	0	75	25	0	25	100
Exotic vegetables like Broccoli	--	--	--	--	--	--	--	--
Export potential vegetables	01	15	0	15	5	0	5	20
Grading and standardization	--	--	--	--	--	--	--	--
Protective cultivation (Green Houses, Shade Net etc.)	02	30	0	30	10	0	10	40
b) Fruits								
Training and Pruning	01	15	0	15	5	0	5	20
Layout and Management of Orchards	01	15	0	15	5	0	5	20
Cultivation of Fruit								
Management of young plants/orchards	04	60	0	60	20	0	20	80
Rejuvenation of old orchards	--	--	--	--	--	--	--	--
Export potential fruits	--	--	--	--	--	--	--	--
Micro irrigation systems of orchards	--	--	--	--	--	--	--	--
Plant propagation techniques	--	--	--	--	--	--	--	--
c) Ornamental Plants								
Nursery Management	01	15	0	15	5	0	5	20
Management of potted plants	--	--	--	--	--	--	--	--
Export potential of ornamental plants	--	--	--	--	--	--	--	--
Propagation techniques of Ornamental Plants	--	--	--	--	--	--	--	--
d) Plantation crops								
Production and Management technology	--	--	--	--	--	--	--	--
Processing and value addition	--	--	--	--	--	--	--	--

e) Tuber crops								
Production and Management technology	01	15	0	15	5	0	5	20
Processing and value addition	--	--	--	--	--	--	--	--
f) Spices								
Production and Management technology	01	15	0	15	5	0	5	20
Processing and value addition	--	--	--	--	--	--	--	--
g) Medicinal and Aromatic Plants								
Nursery management	--	--	--	--	--	--	--	--
Production and management technology	--	--	--	--	--	--	--	--
Post harvest technology and value addition	--	--	--	--	--	--	--	--
III Soil Health and Fertility Management								
Soil fertility management	01	15	0	15	5	0	5	20
Soil and Water Conservation	--	--	--	--	--	--	--	--
Integrated Nutrient Management	02	30	0	30	10	0	10	40
Production and use of organic inputs	--	--	--	--	--	--	--	--
Management of Problematic soils	01	15	0	15	5	0	5	20
Micro nutrient deficiency in crops	03	45	0	45	15	0	15	60
Nutrient Use Efficiency	02	30	0	30	10	0	10	40
Soil and Water Testing	--	--	--	--	--	--	--	--
IV Livestock Production and Management								
Dairy Management	--	--	--	--	--	--	--	--
Poultry Management	--	--	--	--	--	--	--	--
Piggery Management	--	--	--	--	--	--	--	--
Rabbit Management /goat	--	--	--	--	--	--	--	--
Disease Management	--	--	--	--	--	--	--	--
Feed management	--	--	--	--	--	--	--	--
Production of quality animal products	--	--	--	--	--	--	--	--
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	02	0	30	30	0	10	10	40
Design and development of low/minimum cost diet	01	0	15	15	0	05	05	20
Designing and development for high nutrient efficiency diet	01	0	15	15	0	05	05	20
Minimization of nutrient loss in processing	--	--	--	--	--	--	--	--
Gender mainstreaming through SHGs	01	0	15	15	0	05	05	20
Storage loss minimization techniques	--	--	--	--	--	--	--	--
Value addition	06	0	72	72	0	30	30	102
Income generation activities for empowerment of rural Women	--	--	--	--	--	--	--	--
Location specific drudgery reduction technologies	--	--	--	--	--	--	--	--
Rural Crafts	01	0	15	15	0	05	05	20
Women and child care	--	--	--	--	--	--	--	--
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems	04	60	0	60	20	0	20	80
Use of Plastics in farming practices	01	15	0	15	5	0	5	20
Production of small tools and implements	02	30	0	30	10	0	10	40
Repair and maintenance of farm machinery and implements	03	45	0	45	15	0	15	60

Small scale processing and value addition	01	15	0	15	5	0	5	20
Post Harvest Technology	01	15	0	15	5	0	5	20
VII Plant Protection								
Integrated Pest Management	--	--	--	--	--	--	--	--
Integrated Disease Management	--	--	--	--	--	--	--	--
Bio-control of pests and diseases	--	--	--	--	--	--	--	--
Production of bio control agents and bio pesticides	--	--	--	--	--	--	--	--
VIII Fisheries								
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	--	--	--	--	--	--	--	--
IX Production of Inputs at site								
Seed Production	--	--	--	--	--	--	--	--
Planting material production (Horti.)	--	--	--	--	--	--	--	--
Bio-agents production	--	--	--	--	--	--	--	--
Bio-pesticides production	--	--	--	--	--	--	--	--
Bio-fertilizer production	--	--	--	--	--	--	--	--
Vermi-compost production (Horti.)	--	--	--	--	--	--	--	--
Organic manures production (A.S.)	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--
X Capacity Building and Group Dynamics								
Leadership development	--	--	--	--	--	--	--	--
Group dynamics	--	--	--	--	--	--	--	--
Formation and Management of SHGs(HS)	--	--	--	--	--	--	--	--
Mobilization of social capital	--	--	--	--	--	--	--	--
Entrepreneurial development of farmers/youths (Agro.)	--	--	--	--	--	--	--	--
WTO and IPR issues	--	--	--	--	--	--	--	--
XI Agro-forestry								
Production technologies	--	--	--	--	--	--	--	--
Nursery management	--	--	--	--	--	--	--	--
Integrated Farming Systems (Agro)	--	--	--	--	--	--	--	--
XII Others (Pl. Specify)								
TOTAL	24	180	162	342	295	60	120	462

C) Consolidated table (ON and OFF Campus)

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	05	75	0	75	25	0	25	100
Resource Conservation Technologies	--	--	--	--	--	--	--	--
Cropping Systems	--	--	--	--	--	--	--	--
Crop Diversification	02	30	0	30	10	0	10	40
Integrated Farming	--	--	--	--	--	--	--	--
Water management	--	--	--	--	--	--	--	--
Seed production	--	--	--	--	--	--	--	--
Nursery management	--	--	--	--	--	--	--	--
Integrated Crop Management	12	180	0	180	60	0	60	240
Fodder production	02	30	0	30	10	0	10	40
Production of organic inputs	--	--	--	--	--	--	--	--
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	06	90	0	90	30	0	30	120
Off-season vegetables	02	30	0	30	10	0	10	40
Nursery raising	05	75	0	75	25	0	25	100
Exotic vegetables like Broccoli	01	15	0	15	05	0	05	20
Export potential vegetables	--	--	--	--	--	--	--	--
Grading and standardization	--	--	--	--	--	--	--	--
Protective cultivation (Green Houses, Shade Net etc.)	02	30	0	30	10	0	10	40
b) Fruits								
Training and Pruning	01	15	0	15	05	0	05	20
Layout and Management of Orchards	01	15	0	15	05	0	05	20
Cultivation of Fruit	--	--	--	--	--	--	--	--
Management of young plants/orchards	04	60	0	60	20	0	20	80
Rejuvenation of old orchards	--	--	--	--	--	--	--	--
Export potential fruits	--	--	--	--	--	--	--	--
Micro irrigation systems of orchards	--	--	--	--	--	--	--	--
Plant propagation techniques	--	--	--	--	--	--	--	--
c) Ornamental Plants								
Nursery Management	03	45	0	45	15	0	15	60
Management of potted plants	--	--	--	--	--	--	--	--
Export potential of ornamental plants	--	--	--	--	--	--	--	--
Propagation techniques of Ornamental Plants	--	--	--	--	--	--	--	--
d) Plantation crops								
Production and Management technology	--	--	--	--	--	--	--	--
Processing and value addition	--	--	--	--	--	--	--	--
e) Tuber crops								
Production and Management technology	01	15	0	15	05	0	05	20
Processing and value addition	--	--	--	--	--	--	--	--
f) Spices								

Production and Management technology	01	15	0	15	05	0	05	20
Processing and value addition	--	--	--	--	--	--	--	--
g) Medicinal and Aromatic Plants								
Nursery management	--	--	--	--	--	--	--	--
Production and management technology	--	--	--	--	--	--	--	--
Post harvest technology and value addition	--	--	--	--	--	--	--	--
III Soil Health and Fertility Management								
Soil fertility management	01	15	0	15	5	0	5	20
Soil and Water Conservation	--	--	--	--	--	--	--	--
Integrated Nutrient Management	03	45	0	45	15	0	15	60
Production and use of organic inputs	--	--	--	--	--	--	--	--
Management of Problematic soils	02	30	0	30	10	0	10	40
Micro nutrient deficiency in crops	03	45	0	45	15	0	15	60
Nutrient Use Efficiency	02	30	0	30	10	0	10	40
Soil and Water Testing	--	--	--	--	--	--	--	--
IV Livestock Production and Management								
Dairy Management	--	--	--	--	--	--	--	--
Poultry Management	--	--	--	--	--	--	--	--
Piggery Management	--	--	--	--	--	--	--	--
Rabbit Management/goat	--	--	--	--	--	--	--	--
Disease Management	--	--	--	--	--	--	--	--
Feed management	--	--	--	--	--	--	--	--
Production of quality animal products	--	--	--	--	--	--	--	--
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	02	0	30	30	0	10	10	40
Design and development of low/minimum cost diet	01	0	15	15	0	05	05	20
Designing and development for high nutrient efficiency diet	01	0	15	15	0	05	05	20
Minimization of nutrient loss in processing	--	--	--	--	--	--	--	--
Gender mainstreaming through SHGs	01	0	15	15	0	05	05	20
Storage loss minimization techniques								
Value addition	08	0	92	92	0	40	40	132
Income generation activities for empowerment of rural Women	02	0	20	20	0	10	10	30
Location specific drudgery reduction technologies	--	--	--	--	--	--	--	--
Rural Crafts	01	0	15	15	0	05	05	20
Women and child care	--	--	--	--	--	--	--	--
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems	06	90	0	90	30	0	30	120
Use of Plastics in farming practices	02	30	0	30	10	0	10	40
Production of small tools and implements	03	45	0	45	15	0	15	60
Repair and maintenance of farm machinery and implements	04	60	0	60	20	0	20	80
Small scale processing and value addition	02	30	0	30	10	0	10	40
Post Harvest Technology	01	15	0	15	5	0	5	20
VII Plant Protection								
Integrated Pest Management	--	--	--	--	--	--	--	--
Integrated Disease Management	--	--	--	--	--	--	--	--
Bio-control of pests and diseases	--	--	--	--	--	--	--	--
Production of bio control agents and bio pesticides	--	--	--	--	--	--	--	--

VIII Fisheries								
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	--	--	--	--	--	--	--	--
IX Production of Inputs at site								
Seed Production	--	--	--	--	--	--	--	--
Planting material production	--	--	--	--	--	--	--	--
Bio-agents production	--	--	--	--	--	--	--	--
Bio-pesticides production	--	--	--	--	--	--	--	--
Bio-fertilizer production	--	--	--	--	--	--	--	--
Vermi-compost production	--	--	--	--	--	--	--	--
Organic manures production	--	--	--	--	--	--	--	--
Production of fry and fingerlings	--	--	--	--	--	--	--	--
Production of Bee-colonies and wax sheets	--	--	--	--	--	--	--	--
Small tools and implements	--	--	--	--	--	--	--	--
Production of livestock feed and fodder	--	--	--	--	--	--	--	--
Production of Fish feed	--	--	--	--	--	--	--	--
X Capacity Building and Group Dynamics								
Leadership development	--	--	--	--	--	--	--	--
Group dynamics	--	--	--	--	--	--	--	--
Formation and Management of SHGs	--	--	--	--	--	--	--	--
Mobilization of social capital	--	--	--	--	--	--	--	--
Entrepreneurial development of farmers/youths	--	--	--	--	--	--	--	--
WTO and IPR issues	--	--	--	--	--	--	--	--
XI Agro-forestry								
Production technologies	--	--	--	--	--	--	--	--
Nursery management	--	--	--	--	--	--	--	--
Integrated Farming Systems	--	--	--	--	--	--	--	--
Sponsored training	--	--	--	--	--	--	--	--
TOTAL	93	840	202	1357	385	80	465	1822
(B) RURAL YOUTH								
Mushroom Production	01	15	0	15	05	0	05	20
Bee-keeping	--	--	--	--	--	--	--	--
Integrated farming	--	--	--	--	--	--	--	--
Seed production	--	--	--	--	--	--	--	--
Production of organic inputs	--	--	--	--	--	--	--	--
Integrated Farming	--	--	--	--	--	--	--	--
Planting material production	--	--	--	--	--	--	--	--
Vermi-culture	01	15	0	15	5	0	5	20
Sericulture	--	--	--	--	--	--	--	--
Protected cultivation of vegetable crops	--	--	--	--	--	--	--	--
Commercial fruit production	--	--	--	--	--	--	--	--

Repair and maintenance of farm machinery and implements	02	30	0	30	10	0	10	40
Nursery Management of Horticulture crops	01	15	0	15	05	0	05	20
Training and pruning of orchards	--	--	--	--	--	--	--	--
Value addition	--	--	--	--	--	--	--	--
Production of quality animal products	--	--	--	--	--	--	--	--
Dairying	--	--	--	--	--	--	--	--
Sheep and goat rearing	--	--	--	--	--	--	--	--
Quail farming	--	--	--	--	--	--	--	--
Piggery	--	--	--	--	--	--	--	--
Rabbit farming	--	--	--	--	--	--	--	--
Poultry production	--	--	--	--	--	--	--	--
Ornamental fisheries	--	--	--	--	--	--	--	--
Para vets	--	--	--	--	--	--	--	--
Para extension workers	--	--	--	--	--	--	--	--
Composite fish culture	--	--	--	--	--	--	--	--
Freshwater prawn culture	--	--	--	--	--	--	--	--
Shrimp farming	--	--	--	--	--	--	--	--
Pearl culture	--	--	--	--	--	--	--	--
Cold water fisheries	--	--	--	--	--	--	--	--
Fish harvest and processing technology	--	--	--	--	--	--	--	--
Fry and fingerling rearing	--	--	--	--	--	--	--	--
Small scale processing	01	15	0	15	5	0	5	20
Post Harvest Technology	--	--	--	--	--	--	--	--
Tailoring and Stitching	--	--	--	--	--	--	--	--
Rural Crafts	--	--	--	--	--	--	--	--
TOTAL	06	90	0	90	30	0	30	120
(C) Extension Personnel								
Productivity enhancement in field crops	02	30	0	30	10	0	10	40
Integrated Pest Management								
Integrated Nutrient management	02	30	0	30	10	0	10	40
Rejuvenation of old orchards	--	--	--	--	--	--	--	--
Protected cultivation technology	--	--	--	--	--	--	--	--
Formation and Management of SHGs	--	--	--	--	--	--	--	--
Group Dynamics and farmers organization	--	--	--	--	--	--	--	--
Information networking among farmers	--	--	--	--	--	--	--	--
Capacity building for ICT application	--	--	--	--	--	--	--	--
Care and maintenance of farm machinery and implements	02	30	0	30	10	0	10	40
WTO and IPR issues	--	--	--	--	--	--	--	--
Management in farm animals	--	--	--	--	--	--	--	--
Livestock feed and fodder production	--	--	--	--	--	--	--	--
Household food security	--	--	--	--	--	--	--	--
Women and Child care	--	--	--	--	--	--	--	--
Low cost and nutrient efficient diet designing	--	--	--	--	--	--	--	--
Production and use of organic inputs	--	--	--	--	--	--	--	--
Gender mainstreaming through SHGs	--	--	--	--	--	--	--	--
Any other (Pl. Specify)	--	--	--	--	--	--	--	--
Total	06	90	0	90	30	0	30	120
G. TOTAL	105	1020	202	1537	445	80	525	2062

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
Crop production and management										
Increasing production and productivity of crops	01	12	3	15	4	1	5	16	4	20
Commercial production of vegetables	01	12	3	15	4	1	5	16	4	20
Production and value addition										
Fruit Plants	01	12	3	15	4	1	5	16	4	20
Ornamental plants	--	--	--	--	--	--	--	--	--	--
Spices crops	--	--	--	--	--	--	--	--	--	--
Soil health and fertility management	01	12	3	15	4	1	5	16	4	20
Production of Inputs at site	--	--	--	--	--	--	--	--	--	--
Methods of protective cultivation	--	--	--	--	--	--	--	--	--	--
Others (pl. specify)	--	--	--	--	--	--	--	--	--	--
Total	04	48	12	60	16	04	20	64	16	80
Post harvest technology and value addition	--	--	--	--	--	--	--	--	--	--
Processing and value addition	--	--	--	--	--	--	--	--	--	--
Others (pl. specify)	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	--	--
Farm machinery										
Farm machinery, tools and implements	01	12	3	15	4	1	5	16	4	20
Others (pl. specify)	--	--	--	--	--	--	--	--	--	--
Total	01	12	3	15	4	1	5	16	4	20
Livestock and fisheries										
Livestock production and management	--	--	--	--	--	--	--	--	--	--
Animal Nutrition Management	--	--	--	--	--	--	--	--	--	--
Animal Disease Management	--	--	--	--	--	--	--	--	--	--
Fisheries Nutrition	--	--	--	--	--	--	--	--	--	--

Fisheries Management	--	--	--	--	--	--	--	--	--	--
Others (pl. specify)	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	--	--
Home Science										
Household nutritional security	01	0	15	15	0	5	5	0	20	20
Economic empowerment of women	01	0	15	15	0	5	5	0	20	20
Drudgery reduction of women	--	--	--	--	--	--	--	--	--	--
Others (pl. specify)	--	--	--	--	--	--	--	--	--	--
Total	02	0	30	30	0	10	10	0	40	40
Agricultural Extension										
Capacity Building and Group Dynamics	--	--	--	--	--	--	--	--	--	--
Others (pl. specify)	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	--	--
GRAND TOTAL	07	60	45	105	20	15	35	80	60	140

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
Crop production and management	--	--	--	--	--	--	--	--	--	--
Commercial floriculture	--	--	--	--	--	--	--	--	--	--
Commercial fruit production	--	--	--	--	--	--	--	--	--	--
Commercial vegetable production	--	--	--	--	--	--	--	--	--	--
Integrated crop management	--	--	--	--	--	--	--	--	--	--
Organic farming	--	--	--	--	--	--	--	--	--	--
Others (pl. specify)Mali (gardener)	01	12	3	15	4	1	5	16	4	20
Total	01	12	3	15	4	1	5	16	4	20
Post harvest technology and value addition	01	12	3	15	4	1	5	16	4	20

Value addition	01	0	15	15	0	5	5	0	20	20
Others (pl. specify)	--	--	--	--	--	--	--	--	--	--
Total	02	12	18	30	04	06	10	16	24	40
Livestock and fisheries										
Dairy farming	--	--	--	--	--	--	--	--	--	--
Composite fish culture	--	--	--	--	--	--	--	--	--	--
Sheep and goat rearing	--	--	--	--	--	--	--	--	--	--
Piggery	--	--	--	--	--	--	--	--	--	--
Poultry farming	--	--	--	--	--	--	--	--	--	--
Others (pl. specify)	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	--	--
Income generation activities										
Vermi composting	01	12	3	15	4	1	5	16	4	20
Production of bio-agents, bio-pesticides, bio-fertilizers etc.	--	--	--	--	--	--	--	--	--	--
Repair and maintenance of farm machinery and implements	01	12	3	15	4	1	5	16	4	20
Rural Crafts	--	--	--	--	--	--	--	--	--	--
Seed production	--	--	--	--	--	--	--	--	--	--
Sericulture	--	--	--	--	--	--	--	--	--	--
Mushroom cultivation	01	12	3	15	4	1	5	16	4	20
Nursery, grafting etc.	--	--	--	--	--	--	--	--	--	--
Tailoring, stitching, embroidery, dying etc.	01	0	15	15	0	5	5	0	20	20
Agril. Para-workers, para-vet training	--	--	--	--	--	--	--	--	--	--
Others (pl. specify)	--	--	--	--	--	--	--	--	--	--
Total	04	36	24	60	12	08	20	48	32	80
Agricultural Extension										
Capacity building and group dynamics	--	--	--	--	--	--	--	--	--	--
Others (pl. specify)	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	--	--	--	--	--	--
Grand Total	07	60	45	105	20	15	35	80	60	140

Details of training programmes attached in **Annexure -I**

3.4. Extension Activities (including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	10	--	--	--	--	--	--	--	--	--
Kisan Mela	01	--	--	--	--	--	--	--	--	--
Kisan Ghosthi	02	--	--	--	--	--	--	--	--	--
Exhibition	02	--	--	--	--	--	--	--	--	--
Film Show	--	--	--	--	--	--	--	--	--	--
Farmers Seminar	--	--	--	--	--	--	--	--	--	--
Workshop	--	--	--	--	--	--	--	--	--	--
Group meetings	01	--	--	--	--	--	--	--	--	--
Lectures delivered as resource persons	05	--	--	--	--	--	--	--	--	--
Newspaper coverage	30	--	--	--	--	--	--	--	--	--
Radio talks	01	--	--	--	--	--	--	--	--	--
TV talks	01	--	--	--	--	--	--	--	--	--
Popular articles	10	--	--	--	--	--	--	--	--	--
Extension Literature	10	--	--	--	--	--	--	--	--	--
Advisory Services	--	--	--	--	--	--	--	--	--	--
Scientific visit to farmers field	15	--	--	--	--	--	--	--	--	--
Farmers visit to KVK	10	--	--	--	--	--	--	--	--	--
Diagnostic visits	15	--	--	--	--	--	--	--	--	--
Exposure visits	01	--	--	--	--	--	--	--	--	--
Ex-trainees Sammelan	02	--	--	--	--	--	--	--	--	--
Soil health Camp	01	--	--	--	--	--	--	--	--	--
Animal Health Camp	--	--	--	--	--	--	--	--	--	--
Agri mobile clinic	--	--	--	--	--	--	--	--	--	--
Soil test campaigns	01	--	--	--	--	--	--	--	--	--
Farm Science Club Conveners meet	02	--	--	--	--	--	--	--	--	--
Self Help Group Conveners meetings	02	--	--	--	--	--	--	--	--	--
Mahila Mandals Conveners meetings	--	--	--	--	--	--	--	--	--	--
Celebration of important days	01	--	--	--	--	--	--	--	--	--
Mahila Kisan Diwas										
Krishi Mohostva	--	--	--	--	--	--	--	--	--	--
Krishi Rath	--	--	--	--	--	--	--	--	--	--
Pre Kharif workshop	--	--	--	--	--	--	--	--	--	--
Pre Rabi workshop	--	--	--	--	--	--	--	--	--	--
Any Other (Specify)	--	--	--	--	--	--	--	--	--	--
Swachhata pakhwara	01	--	--	--	--	--	--	--	--	--
Parthenium eradication week	01	--	--	--	--	--	--	--	--	--
Awareness campaign against residue burning	01	--	--	--	--	--	--	--	--	--
Total	126	--	--	--	--	--	--	--	--	--

3.5 Target for Production and supply of Technological products
SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (qtl.)
CEREALS	--	--	--
	--	--	--
	--	--	--
OILSEEDS	--	--	--
	--	--	--
	--	--	--
PULSES	--	--	--
	--	--	--
	--	--	--
	--	--	--
VEGETABLES	--	--	--
OTHERS (Specify)	--	--	--
	--	--	--
	--	--	--
	--	--	--

PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)
FRUITS	--	--	--
	--	--	--
	--	--	--
	--	--	--
SPICES	--	--	--
	--	--	--
VEGETABLES	--	--	--
	--	--	--
	--	--	--
	--	--	--
FOREST SPECIES	--	--	--
	--	--	--
ORNAMENTAL CROPS	--	--	--
		Total	--

Bio-products

Sl. No.	Product Name	Species	Quantity	
			No	(kg)
BIO PESTICIDES	--	--	--	--
1	--	--	--	--
2	--	--	--	--

LIVESTOCK

Sl. No.	Type	Breed	Quantity	
			(Nos)	Unit
Cattle	--	--	--	--
	--	--	--	--
GOAT	--	--	--	--
SHEEP	--	--	--	--
POULTRY	--	--	--	--
Pig farming	--	--	--	--
FISHERIES	--	--	--	--
	--	--	--	--

3.6. Literature to be Developed/Published

(A) KVK News Letter

Date of start : 1984
 Number of copies to be published : 2000

(B) Literature developed/published

S.No.	Topic	Number
1	Research paper each scientist	01
2	Technical reports	APR, QPR, MPR & other reports = 30
3	News letters	04
4	Training manual all discipline	05
5	Popular article	10
6	Extension literature	15
	Total	

(C) Details of Electronic Media to be produced

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
	--	--	--
	--	--	--

3.7. Success stories/Case studies identified for development as a case.

- a. Brief introduction
- b. Interventions
- c. Output
- d. Outcomes
- e. Impact
 - i) Social economic
 - ii) Bio-Physical
- f. Good Action Photographs

3.8 Indicate the specific training need analysis tools/methodology followed for

Farmers training:

- a) Personal contact, Need based
- b) Seasonal crop basis
- c) Group discussion with ***Sarpanch & Farm families***
- d) Formation of Kisan Clubs/SHGs

Rural Youth:

To generate self-employment through small enterprises & skill based training programmes; various vocational training programmes in different disciplines are identified.

In-service personnel

Discussion with different line departments in the area during SAC meetings need for in-service training is identified, planned and organized accordingly to satisfy desired needs.

- a) Orientation trainings for ADOs & on the basis of farmer's need.
- b) On the basis of farmer's need of particular block of the district.

3.9 Indicate the methodology for identifying OFTs/FLDs

For OFT :

- i) PRA
- ii) Problem identified from Matrix
- iii) Field level observations
- iv) Farmer group discussions
- v) Others if any

For FLD :

- i) New variety/technology
- ii) Poor yield at farmers level
- iii) Existing cropping system
- iv) Others if any

3.10 Field activities

- i. Name of villages identified/adopted with block name
- ii. No. of farm families selected per village :
- iii. No. of survey/PRA conducted :
- iv. No. of technologies taken to the adopted villages:
- v. Name of the technologies found suitable by the farmers of the adopted villages:
- vi. Impact (production, income, employment, area/technological– horizontal/vertical):
- vii. Constraints if any in the continued application of these improved technologies

3.11. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab:

1. Year of establishment : 2005

2. List of equipments purchase with amount

Sl. No.	Name of the equipment	Quantity	Cost (Rs)
1	--	--	--

3. Targets of samples for analysis:

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	--	--	--	--
Water	--	--	--	--
Plant	--	--	--	--
Total	--	--	--	--

4.0 LINKAGES

4.1 Functional linkage with different organizations

Sl. No.	Name of organization	Nature of Linkage
1.	ICAR – ATARI, Zone – II, Jodhpur	Grant-in Aids, Lab, CFLDs (Oilseed & pulses), skill based training programmes & other extension activities
2.	ICAR – IIWBR, & ICAR – CCSRI, Karnal	Exposure visits, improved seed for demonstrations & OFTs
3.	CCS HAU, Hisar, RRS, Bawal	Foundation & breeder seeds for multiplication & demonstration, technical know-how, exposure visits OFT etc
4.	District Agri. Department	Conducting training & participation in other extension programmes
5.	Regional Research Station, Bawal	Technical guidance, training & other Extension activities
6.	District Horticulture Department	Training programmes
7.	District Forest Department	Planting material & plantation
8.	District A.H. Department	Organizing clinical camps
9.	KRIBHCO	Input supply & extension
10.	NABARD	Formation and management of SHG, farmers' club
11.	IFFCO	Input supply & extension
12.	District Rural Development Agency	Conducting training programme
13.	Rewari cooperative marketing society	Input supply
14.	Nehru Yuva Kendra	Training programme
15.	District Fisheries Department	Training & extension
16.	District Civil Hospital	Nutrition & vaccination

4.2 Details of linkage with ATMA

a) Is ATMA implemented in your district **Yes**

S. No.	Programme	Nature of linkage
1	Farmers Training	Member of Governing Board, Involved in organizing training, and other extension activities
2	--	--

4.3 Give details of programmes under National Horticultural Mission

S. No.	Programme	Nature of linkage
1	--	--
2	--	--

4.4 Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage
1	--	--
2	--	--

5.0 Utilization of hostel facilities

S. No.	Programme	No. of days
1	--	--
2	--	--
	Total	--

6.0 Convergence with departments:

7.0 Feedback of the farmers about the technologies demonstrated and assessed :

- i) Full package demonstration may be provided in all major crops
- ii) Provision of To and Fro charges for trainees

8.0 Feedback from the KVK Scientists (Subject wise) to the research institutions/universities:

Annexure - I

Training Programme (2020)

A) Farmers & Farm women (On Campus)

Date	Clientele	Title of the training programme	Duration in days	Number of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
i)Crop Production										
April,20	PF	Production technology of summer moong	04	15	0	15	05	0	05	20
July, 20	PF	Production technology of Til crop	04	15	0	15	05	0	05	20
Sept., 20	PF	Production technology of gram crop	04	15	0	15	05	0	05	20
Oct., 20	PF	Production technology of Mustard crop	04	15	0	15	05	0	05	20
Oct., 20	PF	Weed Management in Rabi crops	04	15	0	15	05	0	05	20
Nov., 20	PF	Production technology of wheat crop	04	15	0	15	05	0	05	20
ii) Horticulture										
April, 20	PF	Package and practices of bottle gourd	04	15	0	15	05	0	05	20
June,20	PF	Production technology of marigold	04	15	0	15	05	0	05	20
August,20	PF	Package and practices of carrot	04	15	0	15	05	0	05	20
October,20	PF	Production technology of rabi onion	04	15	0	15	05	0	05	20
iii) Soil Health and fertility management										
Aug, 2020	PF	Management of problematic soil & water	01	15	0	15	05	0	05	20
Oct, 2020	PF	Integrated nutrient management in rabi crops	01	15	0	15	05	0	05	20
iv) Livestock production and management										
	PF/FW		--	--	--	--	--	--	--	--
v)Home Science Women empowerment										
Feb, 2020	PF	Value addition of fruit & vegetable	05	0	10	10	0	05	05	15
Oct., 2020	PF	Detergent & soap making	05	0	10	10	0	05	05	15
vi) Agril. Engg.										
Jan, 2020	PF	Use of plastics in agriculture	04	15	0	15	05	0	05	20
May, 2020	PF	Installation, care & maintenance of drip and sprinkler irrigation methods	04	15	0	15	05	0	05	20
Aug, 2020	PF	Biogas production technology	04	15	0	15	05	0	05	20
			--	--	--	--	--	--	--	--
vii) Plan protection										
June, 2020	PF	Disease management in guar	01	15	0	15	05	0	05	20
July, 2020	PF	Pest management in cotton	01	15	0	15	05	0	05	20
viii) Fisheries										
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ix) Production of inputs at site										
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x) Capacity building and Group dynamics										
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xi) Agro Forestry										
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B) Rural youth

Date	Clientele	Title of the training programme	Duration in days	Number of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
Jan, 2020	RY	Small scale processing technology of agricultural materials	04	15	0	15	05	0	05	20
Jan, 2020	RY	Fruit & vegetable preservation	7	15	0	15	05	0	05	20
July, 2020	PF	Vermi compost production technology	04	15	0	15	05	0	05	20
Aug. 2020	PF	Nursery management of Horticulture crops	07	15	0	15	5	0	5	20
September, 2020	RY	Mushroom production technology	7	15	0	15	05	0	05	20
Oct, 2020	RY	Importance of renewable sources of energy	04	15	0	15	05	0	05	20

C) Extension personal

Date	Clientele	Title of the training programme	Duration in days	Number of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
June, 2020	ADO	Resource conservation technologies in agriculture	01	15	0	15	05	0	05	20
June, 2020	ADO	Integrated nutrient management in Kharif crops	01	15	0	15	05	0	05	20
Sept, 2020	ADO	Use, care & maintenance of latest farm implements	01	15	0	15	05	0	05	20
Sept, 2020	ADO	Integrated nutrient management in Rabi crops	01	15	0	15	05	0	05	20
Nov, 2020		Women & child care	01	0	10	10	0	05	05	15

A) Farmers & Farm women (Off Campus)

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total	
				M	F	T	M	F	T		
Crop Production											
March, 2020	PF	Production technology to increase yield of summer moong	01	15	0	15	05	0	5	20	
April,2020	PF	Production technology to increase yield of summer moong	01	15	0	15	05	0	05	20	
May, 2020	PF	Production technology to increase yield of kharif fodder crop	01	15	0	15	05	0	05	20	
May, 2020	PF	Production technology to increase yield of cotton crop	01	15	0	15	05	0	05	20	
June, 2020	PF	Weed management of kharif crop	01	15	0	15	05	0	05	20	
June, 2020	PF	Production technology to increase yield of Bajra crop	01	15	0	15	05	0	05	20	
July., 2020	PF	Production technology to increase yield of Guar crop	01	15	0	15	05	0	05	20	
July., 2020	PF	Production technology to increase yield of Til crop	01	15	0	15	05	0	05	20	
Aug., 2020	PF	Production technology to increase yield of rabi fodder crop	01	15	0	15	05	0	05	20	

Sept., 2020	PF	Production technology to increase yield of mustard crop	01	15	0	15	05	0	05	20
Oct., 2020	PF	Weed management of rabi fodder	01	15	0	15	05	0	05	20
Oct., 2020	PF	Production technology to increase yield of mustard crop	01	15	0	15	05	0	05	20
Nov. , 2020	PF	Production techniques of wheat & barley crop	01	15	0	15	05	0	05	20
Nov., 2020	PF	Weed management of wheat crop	01	15	0	15	05	0	05	20
Dec, 2020	PF	Weed management of wheat crop	01	15	0	15	05	0	05	20
Horticulture										
January,2020	PF	Early cultivation of okra for higher market rate	01	15	0	15	05	0	05	20
January,2020	PF	Management of vegetable crops in poly houses	01	15	0	15	05	0	05	20
February, 2020	PF	Management of pre harvest fruit drop in kinnow orchard	01	15	0	15	05	0	05	20
February, 2020	PF	Plant protection measures in cucurbits	01	15	0	15	05	0	05	20
March,2020	PF	Management of summer vegetables like tomato, brinjal and chilli	01	15	0	15	05	0	05	20
March,2020	PF	Orchard management in spring season	01	15	0	15	05	0	05	20
April,2020	PF	Insect pest management in cucurbits	01	15	0	15	05	0	05	20
May,2020	PF	Healthy nursery raising and cultivation of solanaceous i.e. tomato , brinjal and chilli	01	15	0	15	05	0	05	20
May,2020	PF	Training pruning and manuring schedule for ber orchard	01	15	0	15	05	0	05	20
June,2020	PF	Nursery raising and package practices of marigold	01	15	0	15	05	0	05	20
June,2020	PF	Nursing management of vegetable crops in summer season	01	15	0	15	05	0	05	20
July,2020	PF	Layout plan and method of orchard establishment	01	15	0	15	05	0	05	20
July,2020	PF	Scientific nursery raising of cole crops and its cultivation like cauliflower and cabbage	01	15	0	15	05	0	05	20
August,2020	PF	Production technology of kharif onion	01	15	0	15	05	0	05	20
August,2020	PF	Management of ber orchard in rainy season	01	15	0	15	05	0	05	20
September, 2020	PF	Early cultivation of potato for better market value	01	15	0	15	05	0	05	20
September, 2020	PF	Production technology of garden pea for early market	01	15	0	15	05	0	05	20
October,2020	PF	Insect pests management in ber orchard	01	15	0	15	05	0	05	20
October,2020	PF	Scientific nursery raising and cultivation of rabi onion	01	15	0	15	05	0	05	20
November, 2020	PF	Production technology of spices crops like fenugreek, fennel and coriander	01	15	0	15	05	0	05	20
November, 2020	PF	Nursery raising of vegetable crops like tomato, brinjal , capsicum and chilli	01	15	0	15	05	0	05	20
December, 2020	PF	Protected cultivation of cucurbits in poly-low tunnels	01	15	0	15	05	0	05	20
December, 2020	PF	Management of mushroom units	01	15	0	15	05	0	05	20
Live Stock Production.										
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Agril. Engg.										
Jan, 2020	PF	Small scale processing & value addition of agricultural materials	01	15	0	15	05	0	05	20

Feb, 2020	PF	Repair & maintenance of tractor	01	15	0	15	05	0	05	20
March, 2020	PF	Post harvest management of rabi crops	01	15	0	15	05	0	05	20
April, 2020	PF	Use of improved farm machineries	01	15	0	15	05	0	05	20
May, 2020	PF	Energy conservation in agriculture	01	15	0	15	05	0	05	20
June, 2020	PF	Installation & maintenance of drip irrigation method	01	15	0	15	05	0	05	20
July, 2020	PF	Rain water harvesting structures	01	15	0	15	05	0	05	20
Aug, 2020	PF	Efficient use of water in different irrigation systems	01	15	0	15	05	0	05	20
Sept, 2020	PF	Watershed management	01	15	0	15	05	0	05	20
Oct, 2020	PF	Calibration of seed cum fertilizer drill	01	15	0	15	05	0	05	20
Nov, 2020	PF	Different sowing methods of wheat & barley	01	15	0	15	05	0	05	20
Dec, 2020	PF	Use of plastic mulching in farming operation	01	15	0	15	05	0	05	20
Home Sc.										
Jan, 2020	FW	Preservation of winter fruits & vegetables	01	15	0	15	05	0	05	20
Feb, 2020	FW	Preservation of winter fruits & vegetables	01	15	0	15	05	0	05	20
March, 2020	FW	Importance of kitchen gardening of farm women	01	15	0	15	05	0	05	20
April, 2020	FW	Preservation of fruits in the form of juices/squashes	01	15	0	15	05	0	05	20
May, 2020	FW	SHG's formation & their management	01	15	0	15	05	0	05	20
June, 2020	FW	Skill development for marketing of milk & milk products	01	15	0	15	05	0	05	20
July, 2020	FW	Value addition on mango products	01	15	0	15	05	0	05	20
Aug, 2020	FW	Value addition on Teent (Local fruit)	01	15	0	15	05	0	05	20
Sept, 2020	FW	Empowerment of farm women through craft making	01	15	0	15	05	0	05	20
Oct, 2020	FW	Importance of kitchen gardening for farm women	01	15	0	15	05	0	05	20
Nov, 2020	FW	Processing of bajra for nutritional enhancement	01	15	0	15	05	0	05	20
Dec, 2020	FW	Preservation on aonla in the form of murrabba & pickle	01	15	0	15	05	0	05	20
Plant Protection										
July, 2020	FW	Integrated disease management in guar	01	15	0	15	05	0	05	20
August, 2020	FW	Insect pest management in cotton	01	15	0	15	05	0	05	20
October, 2020	FW	Painted bug management in mustard	01	15	0	15	05	0	05	20
Nov., 2020	FW	Seed treatment in wheat	01	15	0	15	05	0	05	20
Agricultural Extension										
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Fisheries										
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Soil health										
Jan, 2020	PF	Diagnosis for deficiency symptoms of nutrients & reclamation through water soluble fertilizer in wheat crops	01	15	0	15	05	0	05	20
Feb, 2020	PF	Integrated nutrient management in vegetable crops	01	15	0	15	05	0	05	20
April, 2020	PF	Integrated nutrient management in cotton crop	01	15	0	15	05	0	05	20
May, 2020	PF	Management of nutrients through green manuring, bio fertilizer and organic manure in kharif crops	01	15	0	15	05	0	05	20
June, 2020	PF	Scientific method for reclamation of sodic water & soil	01	15	0	15	05	0	05	20

Aug, 2020	PF	Diagnosis for deficiency symptoms of nutrients & reclamation through water soluble fertilizer in kharif crops	01	15	0	15	05	0	05	20
Oct, 2020	PF	Nutrient management through organic manure & bio fertilizer in mustard crop	01	15	0	15	05	0	05	20
Nov, 2020	PF	Nutrient management through organic manure & bio fertilizer in wheat crop	01	15	0	15	05	0	05	20
Dec, 2020	PF	Diagnosis for deficiency symptoms of nutrients & reclamation through water soluble fertilizer in mustard crops	01	15	0	15	05	0	05	20

B) Rural youth

Date	Clientele	Title of the training programme	Duration in days	Number of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
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C) Extension personal

Date	Clientele	Title of the training programme	Duration in days	Number of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
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ii) Vocational training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Month	Duration (days)	No. of Participants			SC/ST participants			G. Total
					M	F	T	M	F	T	
ON CAMPUS											
Self employment	Income generating activities	Fruit & vegetable preservation	Jan. 2020	30	--	10	10	--	05	05	15
Self employment	Income generating activities	Cutting & Stitching	Feb. 2020	21	--	10	10	--	05	05	15
Self employment	Orchard management	Mali Training	July-September, 2020	90	15	0	15	05	0	5	20
Self employment	Repair & maintenance of farm equipments	Electric motor rewinding	Dec, 2020	01 Month	15	0	15	05	0	05	20

iii) Training programme for extension functionaries

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
On Campus										
May, 2020	ADO	Resource conservation technologies in agriculture	01	15	0	15	05	0	05	20
May, 2020	ADO	Integrated Nutrient Management in Kharif crops	01	15	0	15	05	0	05	20
May, 2020	ADO	Package practice of kharif crops	01	15	0	15	05	0	05	20
Sept, 2020	ADO	Use , care & maintenance of latest farm implements	01	15	0	15	05	0	05	20
Sept, 2020	ADO	Integrated Nutrient Management in Rabi crops	01	15	0	15	05	0	05	20
Sept, 2020	ADO	Package practice of Rabi crops	01	15	0	15	05	0	05	20

iv) Sponsored programme

Discipline	Sponsoring agency	Clientele	Title of the training programme	No. of course	No. of participants			Number of SC/ST			G. Total
					M	F	T	M	F	T	
a) Sponsored training programmes (ON)											
Agril. Engg	Animax farma	PF	Application of MIS	01	15	0	15	05	0	05	20
Agril. Engg	Mahindra & Mahindra	PF	Use, care & maintenance of tractor and farm machineries	01	15	0	15	05	0	05	20
			Total	02	30	0	30	10	0	10	40
b) Sponsored research programmes (OFF)											
Agril, Engg.	Animax Farma	PF	Application of non-Conventional sources of energy	01	15	0	15	05	0	05	20
			Total	01	15	0	15	05	0	05	20
c) Any special programmes											
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--	--	--	Total	--	--	--	--	--	--	--	--