PROFORMA FOR PREPARATION OF ANNUAL REPORT (January-2021-December-2021)

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	82	1093	383	1476
Rural youths	02	27	0	27
Extension functionaries	02	31	0	31
Sponsored Training	05	100	14	114
Vocational Training	04	44	41	85
Total	95	1295	438	1733

2. Frontline demonstrations

Enterprise	No. of Farmers	Area (ha)	Units/Animals
Oilseeds	274	126	
Pulses	83	40	
Cereals	7	3.2	
Vegetables	30	6	
Other crops	10	2	
Hybrid crops			
Total	404	177.2	
Livestock & Fisheries			
Other enterprises	35	14	
Total	35	14	
Grand Total	439	191.2	

3. Technology Assessment

Category	No. of Technology	No. of Trials	No. of Farmers
	Assessed		
Technology Assessed			
Crops	06	60	60
Livestock			
Various enterprises			
Total	06	60	60

4. Extension Programmes

Category	No. of Programmes	Total Participants
Extension activities	229	3199
Other extension activities	66	
Total	295	3199

5. Mobile Advisory Services

		Type of Messages						
Name of KVK	Message Type	Crop	Livestoc k	Weather	Mar ke- ting	Aware- ness	Other enterpr ise	Total
	Text only	27				21	12	60
	Voice only							- -
	Voice & Text both							
	Total Messages	27				21	12	60
	Total farmers Benefitted	2056237				1599220	913899	4569356

6. Seed & Planting Material Production

	Quintal/Number	Value Rs.
Seed (q)		
Planting material (No.)	34637	20330
Bio-Products (kg)	3875	32940
Livestock Production (No.)		
Fishery production (No.)		

7. Soil, water & plant Analysis

Samples	No. of Beneficiaries	Value Rs.
Soil	229	3390
Water	306	3730
Plant		
Total	535	7120

8. HRD and Publications

Sr. No.	Category	Number
1	Workshops	03
2	Conferences	01
3	Meetings	01
4	Trainings for KVK officials	03
5	Visits of KVK officials	
6	Book published	
7	Training Manual	
8	Book chapters	
9	Research papers	
10	Lead papers	
11	Seminar papers	
12	Extension folder	10
13	Proceedings	01
14	Award & recognition	
15	On going research projects	

DETAIL REPORT OF APR-2021

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone	E mail		
Krishi Vigyan Kendra, Rampura– Rewari, 123401 (Haryana	Office	FAX	bbakvkrr@gmail.com	
	01274-222401			

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

1.2 .Name and address of nost of			
Address	Telephone	E mail	
	Office	FAX	
Krishi Vigyan Kendra, 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 31st December, 2021)

Sl. No.	Sanctioned post	Name of the incumbent	Design-ation	Discip-line	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Perman-ent /Temp- orary	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	204661	02.02.01	Permanent	OBC	9416475793	54	kapurrewari @gmail.com
2	Subject Matter Specialist	Sh. V. J. Singh	Subject Matter Specialist	Agronomy (M. Sc.)	15600- 39100+ 5400	107464	10.10.95	Permanent	Other	9416214811	55	jeetm67 @gmail.com
3	Subject Matter Specialist	Dr. Pramod Kumar	Subject Matter Specialist	Horticulture (Ph D)	15600- 39100+ 5400	87405	24.07.95	Permanent	OBC	8930820968	56	pkyrnm@ 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	73196	24.04.2011	Permanent	OBC	9416926163	41	rajguru567 @gmail.com
7	Subject Matter Specialist	Anil Kumar Yadav	Subject Matter Specialist	Soil science (M. Sc.)	15600- 39100+ 5400	71048	02.07.12	Permanent	OBC	9813719455	42	anilyadav 878@gmail. com
8	Programme Assistant	Smt. Rajkumari	Programme Assistant	Home Science B.sc (Home Sc.)	9300- 34800+ 4200	76538	01.05.92	Permanent	OBC	9996037744	51	rajbhatotiya @rediffmail. com
9	Computer Programmer	Smt. Ritu Yadav	Computer Programmer	Official MCA (Comp. Sc.)	9300- 34800+ 4200	47643	11.03.11	Permanent	OBC/PH	9466517139	46	rituyadav .yadav122@ gmail.com
10	Farm Manager											
11	Accountant / Superintendent	Shri Dilip Kumar	Accountant / Superintendent	Official (B.com)	9300- 34800+ 4200	60299	30.11.05	Permanent	Other	8901094242	45	dilipkumar kvk@gmail. com
12	Stenographer	Sh. Davender Kumar	Stenographer	Official (Matric)	5200- 20200+ 2400	38209	01.04.95	Permanent	OBC	9466885450	51	sendavender @gmail.com
13	Driver	Vaccant	Driver	Driver	5200- 20200+ 2000							
14	Driver	Sh. Hariom	Driver	Driver (Middle)	5200- 20200+ 2000	38209	01.06.95	Permanent	OBC	8930565377	57	
15	Supporting staff	Vaccant	Supporting staff	Supporting Staff	5200- 20200+ 1800							
16	Supporting staff	Inderpal	Supporting staff	Supporting Staff (Middle)	5200- 20200+ 1800	19096	01.12.2019	Permanent	OBC		54	

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)	
		20.8

1.7. Infrastructural Development:

A) Buildings

		Source	Stage					
S.		of	Complete			Incomplete		
No.	Name of building	funding	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-			1			
		-do-						
5	Fencing	-do-						
6	Rain Water harvesting system	-do-						
7	Threshing floor				-			
8	Farm godown							

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Jeep	31.3.2006	4,98,741.00	19005 km	Condemned
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
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
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
Farm equipments			
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

SI.No.	Date	Name and Designation of Participants	Salient Recommendations	Action taken
1.	12.10.2021	Hon'ble Rao Inderjit Singh ji Ministry of State for Statistics, Programme Implementation & Planning(Independent Charge), and Chairman, S.A.C., KVK, Rampura- Rewari Dr. Dharambir Yadav Regional	To conduct CFLD on newly developed gram variety HC-7 To conduct Front Line Demonstration on sowing of wheat Zero till drill To discourage rice	To be taken
		Director, Regional Research Station, CCS,HAU, Bawal (DisttRewari) Dr. Devender Kumar	cultivation Organisation of training and awareness programme on promotion of	
		Rep. Deputy Director Agriculture, Rewari Dr. Satbir Sharma	horticultural crops	
		District Horticulture Officer, Rewari Dr. Bhup Singh Yadav Deputy Director Animal Husbandry, Rewari		
		Dr. Ajay Kumar Yadav District Fishery Officer, Rewari		
		Shri Vinay Tripathi, District Development Manager (NABARD) Rewari		
		Sh. Bhupender Singh Rao Chief LDM, Lead Bank, Rewari		
		Rao Ram Singh		
		Mrs. Kusum Yadav		
		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 (2021)

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)	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.
		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.
2	Agro ecological situation	Characteristics
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 bajramustard.
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. 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 Bajrawheat and bajramustard.	108000
2.	Sandy Ioam	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.	43000

2.4. Area, Production and Productivity of major crops cultivated in the district (2020-21)

	,		1	- /
S. No	Crop	Area ("000"ha)	Production ("000" tones)	Productivity (kg/ha)
1	Wheat	37.5	176.1	4697
2	Mustard	76.0	174	2289
3	Barley	0.08	0.33	4108
4	Paddy	1.4	4.0	2862
5	Bajra	84.2	208	2470
6	Cotton	12.5	21.2	288

2.5. Weather data (2021)

Month	Rainfall (mm)	Tempo	erature °C	Relative Humidity (%)
		Maximum	Minimum	
January	33.4	18.9	4.7	72.0
February		29.4	4.7	60.0
March	33.8	37.1	14.0	46.5
April	3.5	40.0	14.8	32.5
May	129.3	40.2	21.2	46.5
June	15.9	41.3	23.4	48.0
July	331.8	41.1	22.1	61.5
August	187.8	37.3	25.0	70.0
September	228.1	34.3	23.6	79.0
October	33.5	36.3	15.2	56.5
November		25.1	8.1	56.5
December		21.1	2.4	63.0

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

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

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

2.7 Details of Operational area / Villages (2021)

SI. No.	Talu k	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1		Khol	Nimoth, Manethi, Dhawana, Khaleta,Ahrod Dhani Kolana	Bajra, guar, mustard, wheat, dairying, ber, citrus, marigold, bottle guard, okra, brinjal	Unbalanced use of fertilizer & high doses of pesticides, problematic soil & water	ICM,IPM, INM according to soil test bases
2		Rewar i	Nikhri, Rasgan, Dungarwas, Khatawali, Khaliyawas	Bajra, guar, mustard, wheat, dairying, ber, okra, bottle guard	 Unbalanced use of fertilizer & high doses of pesticides, problematic soil & water 	ICM,IPM , INM according to soil test bases
3		Nahar	Nahar,Bharangi,Kohard,Jholri, Khurshid nagar	Bajra,cotton,mustard,barley, vegetables	 Unbalanced use of fertilizer & high doses of pesticides, problematic soil & water 	ICM,IPM , INM according to soil test bases

2.8 Priority/thrust areas

Crop/Enterprise	Thrust area
Mustard	Integrated pest management (IPM)
	Integrated Nutrient Management (INM)
	Weed management
Wheat	Seed treatment
	Weed management
	High yielding varieties
Bajra	Integrated Nutrient Management (INM)
-,	Gap filling
	Weed management
Moong	Seed treatment
ŭ	High yielding varieties
	Weed management
Guar	Integrated disease management (IDM)
	Weed management
Cucurbits	High yielding varieties
	Seedling raising and early cultivation
	Poly tunnel cultivation
	 Integrated pest management (IPM)
Onion	High yielding varieties
	 Nursery raising and transplanting
	 Onion thrips and purple blotch management
Brinjal	High yielding varieties
	 Nursery raising and transplanting
	 Integrated disease management (IDM)
	Fruit and shoot borer management
Tomato	High yielding varieties
	 Integrated Nutrient Management (INM)
	Integrated disease management (IDM)
Okra	Mosaic resistant high yielding varieties
	Sowing time and method
	Fruit borer management
Ber	Powdery mildew management
	Fruit fly management
Aonla	Integrated Nutrient Management (INM)
_	Value addition
Guava	Integrated Nutrient Management (INM)
	Fruit fly management
Citrus fruits	Integrated Nutrient Management (INM)
	Fruit drops and splitting management
	Integrated disease management (IDM)
Marigold	High yielding varieties
	Nursery raising and transplanting
5	Seed production
Dairy farming	Dairy farming
Poultry farming	Poultry farming
Agricultural Engineering	Recourse conservation technology
	Post harvest technology
A sectional Ent.	Drip and sprinkler irrigation system
Agricultural Extension	Formation of SHG and farmers' club
	Capacity building
	ICT and its application Talksia and attitudes.
Home Science	Tailoring and stitching
	Preservation of fruits and vegetables
	Value addition in aonla

^{*} An example for guidance only

3. TECHNICAL ACHIEVEMENTS

3.A. Details of target and achievements of mandatory activities by KVK during 2021

	OFT (Technolo	gy Assessm	nent)	FLD (Oilseeds, Pulses, Cotton, Other Crops/Enterprises)				
		1			;	2		
Num	ber of OFTs	Total	Total no. of Trials		Area in ha		er of Farmers	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement	
06	06 06 60 60				191.2	439	439	

		nsored, vocation Rainwater Harve	Extension Activities						
		3			4				
Nur	Number of Courses			mber of ticipants		per of vities		Number of participants	
Clientele	Targets	Achievement	Targets	Achieveme nt	Targets	Achiev ement	Targets	Achiev ement	
Farmers	82	82	1476	1476	250	295	3000	3199	
Rural youth	02	02	27	27					
Extn. Functionaries	02	02	31	31					

	Seed Production	(Qtl.)	Planting material (Nos.)			
	5		6			
Target	Achievement	Distributed to no. of farmers	Target	Distributed to no. of farmers		
			30000	34637	150	

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	Cotton	Nutrient management in cotton	10	10
megrated reading management	Wheat	Micro nutrient management in Wheat	10	10
Integrated Nutrient Management	Gram	Assessment of different seed rate of Chickpea	10	10
Varietal Evaluation				
Integrated Pest Management	Brinjal	Management of shoot & fruit borer in brinjal crops.	10	10
Integrated Crop Management				
Integrated Disease Management				
Small Scale Income Generation Enterprises				
Weed Management				
Resource Conservation Technology		Assessment of mulching technology in tomato cultivation	10	10
	Bajra	Performance of different tillage practices in Bajra cultivation	10	10
Farm Machineries				
Integrated Farming System				
Seed / Plant production				
Post Harvest Technology / Value addition				
Drudgery Reduction				
Storage Technique				
Others (Pl. specify)				
Total			60	60

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)				
Total		•		

Thematic areas	Enterprise	Name of the technology assessed	No. of trials	No. of farmers
				
				

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*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)

INTEGRATED CROP MANAGEMENT

Problem definition: Lower yield in Gram due to inadequate plant population /ha

Technology Assessed: Assessment of different seed rate of Chickpea

KVK, Rewari in Haryana conducted on-farm trial to assess seed rate 40 kg and 60 kg per ha of chickpea crop and variety CSJ-515. The yield of Chickpea is the result of final plant population which depends on the seed rate/ha, germination percentage and survival rates of plants. Establishment of optimumplant population is imperative to get maximum possible yield. Inadequate plant population is one of the significant factors responsible for reduced grain yield of Chickpea assessed practice 60 kg/ha seed and 40 kg/ha (Local check) seed of Chickpea data revealed that Av. yield 19.5Qt/ha is more than 18.0 Qt/ha respectively.

Table Performance of different seed rate of Chickpea

Technology Option	No. of trials	No. of branches/plant	No. of seeds/ pod	Test wt.(g) 1000- grain wt.	Net Return (Rs./ha)	Yield (kg./ha)	Increase in Yield (%)	B:C Ratio
40 kg seed rate (FF)	10	6-8	1.8	165	56906	1800	1	2.63
60 kg seed rate		6-9	1.8	164.75	62658	1950	8.33	270

WEED MANAGEMENT

PEST AND DISEASE MANAGEMENT

Problem Definition - Low yield and poor quality of fruits due to heavy infestation of insect.

Technology Assessed – Management of shoot & fruit borer in brinjal crops.

Brinjal is an important crop of Rewari District , which is grown above 5ha area in summer & Rainy season. KVK Rewari observed that yield and quality of brinjal fruits affected due to infestation shoot & fruits borer insect during April to October. Therefore KVK Rewari in Haryana conducted On Farm Trial to find out appropriate management practice against shoot & fruit borer insect to enhance the brinjal productivity. The assessed practice (T2) of 3 spray of Cypermethrin 25bc (0.1%) at 10 days intervals as soon as insect attack to control it. The results showed that assessed practice performed better and enhanced yield by 33.33 % (50 t/ha) with net return of Rs. 550000 with B.C ratio 3.75 as compared to control (T1) with net return of Rs.225000 and yield (37.5 t/ha) with B.C ratio 2.5. Infestation of insect (10%) with good quality average 27 fruits/plant in assessed technology (T2) as compared to control (T1) 40% infestation with poor quality average 12 fruits/plant.

Technology option	No. of Trials	Av. Total No. of fruits/plant	Av. Infected fruit/plant	Insect infestation (%)	Yield t/ha	Increase in yield (%)	Gross return	Net return	B.C. Ratio
T ₁ -Control (FP)		20	8	40	37.5	33.33	375000 (Sale @ Rs.10000/t)	225000 (cost of cultivation) Rs.150000	2.5%
T ₂ -Assessed practice - 3 spray of Cypermethrin 25 EC(0.1%) as 10 days interval as soon as insect attack	10	30	3	10	50		750000 (Sale @ Rs.15000/t)	550000 (cost of cultivation) Rs.200000	3.75

NUTRIENT MANAGEMENT

Technology Assessed: Micro nutrient management in Wheat

Problem definition: Lower productivity and profitability in Wheat.

Cause of problem: At 40-45 DAS upper leaf turn yellow in colour and middle leaves shows yellow and white patches and

ultimately due to these symptoms grain yield decreased

Upper leaf turn yellow in colour shows deficiency of Fe and middle leaves shows yellow and white

patches shows deficiency of Zn

Due to flood irrigation in sandy loam soil increased leaching of available nutrients.

Organic carbon was very low (0.23%) in this soil so available micro nutrients was low in soil.

Soil Type: Sandy loam

KVK Rewari conducted on-farm trial to find out appropriate micro nutrient management practice to assessed the productivity of wheat crop. No use of micronutrients (T₁), use of Zinc sulphate @ 25kg/ha. &Foliar application of 0.5% Ferrous sulphate (T₂) The result showed that soil application of Zinc sulphate and foliar application of Ferrous sulphate was quite effective in increase yield by 11.2 percent through no. of effective tillers per plant, spike length and no. of spikelet per spike as compare to farmer's practice. Grain yield of T₂ (56.5 q/ha) was recorded which resulted into a net profit of Rs. 77238/ha with B:C ratio 2.55. The yield under T₁ was recorded 50.8 q/ha with net profit of Rs. 65667/ha having B:C ratio of 2.35.

Table Assessment of Micro nutrients on the yield of Wheat.

Technology Option	No.of trials	Plant height (cm)	No. of effect ive tiller/ plant	Spike lengt h (cm)	No. of spikelet /Spike	Grain Yield (qt./ha)	Straw yield (qt./ha)	Net Return(Rs ./ha)	Increase in Yield (%)	B:C Ratio
T ₁ No application of Zinc sulphate and Ferrous sulphate (Farmers Practice)		86.5	5.8	12.6	18.56	50.8	56.4	65667		2.35
T ₂ Z _n SO ₄ @ 25kg/ha. & Ferrous sulphate @ 0.5% foliar application (Recommended Practice)	10	90.4	7.2	13.1	19.84	56.5	62.2	77238	11.2	2.55

Feedback: Farmers were satisfied that after soil application of zinc sulphate and foliar application of ferrous sulphate no upper leaf turn yellowing colour and no middle leaves shows yellow and white patches and also with the increment of grain yield of wheat crop. Farmers also explained that tillering and no. of grains/spike were more than farmers practice.

Technology Assessed: Nutrient management in cotton

Problem definition: Lower productivity and profitability in cotton crop.

Cause of Problem: Low fertility status of soil

Farmers do not use Potassium Nitrate at flowering & Boll formation stage.

Flood irrigation causes leaching of available nutrients in sandy loam soil

Imbalanced fertilizer application

Organic carbon was low (0.25%) in this soil so available nutrients was low in soil. High nutrient requirement in cotton crop but application of nutrient was low.

Soil Type: Sandy loam

KVK Rewari conducted on-farm trial to find out appropriate nutrient management practice to assessed the productivity of wheat crop using water soluble fertilizer of potassium nitrate. No use of water soluble fertilizer of potassium nitrate (T₁), use of two foliar application of 1.0 percent water soluble fertilizer of potassium nitrate at flowering and boll formation stage (T₂) The result showed that foliar application of 1.0 percent water soluble fertilizer of potassium nitrate at flowering and boll formation stage was quite effective in increase yield by 11.2 percent through no. of bolls per plant and boll weight as compare to farmer's practice. Grain yield of T₂ (19.30 q/ha) was recorded which resulted into a net profit of Rs. 82366/ha with B:C ratio 2.70. The yield under T₁ was recorded 17.35 q/ha with net profit of Rs. 57996/ha having B:C ratio of 2.34.

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 (q/ha)	Increase in Yield (%)	B:C Ratio
T ₁ Potassium Nitrate (0) (Farmers Practice)		108.0	26.0	3.78	57996	17.35	I	2.34
T2 Two foliar application of 1.0% Potassium Nitrate (flowering & Boll formation stage) (Recommended Practice, CCSHAU)	10	116.5	34.5	4.98	82366	19.30	11.2	2.70

Feedback: Farmers were satisfied with the increment of yield of cotton crop. Farmers also explained that after foliar application of potassium nitrate no. and size of bolls increased than farmers practice.

RESOURCE CONSERVATION

Problem definition: Lower productivity and profitability in tomato cultivation

Technology Assessed: Assessment of mulching technology in tomato cultivation

The KVK of Rewari in Haryana conducted on-farm trial on assessment of mulching technology in tomato cultivation. Farmers are generally cultivated tomato without mulching in rabi season and that time the temperature is very low So, the higher mortality rate has observed in tomato seedlings. The plastic mulching is a very precise technology to enhance the productivity of tomato during rabi season. Combined application (without mulching and plastic sheet mulching with 25 micron) of water and fertilizers through drip system had enhanced the tomato yield by 38.922% in Haryana with the net profit Rs. 234350 per hectare along with BC: Ratio 4.13.

Table Effect of mulching technology on yield and income of tomato

Technology Option	No.of trials	Plant height (cm)	Fruit/Plant	Fruit Weight (gm)	Yield (t/ha)	Net Returns (Rs./ha)	BC Ratio
Without mulching (Farmers Practice)		85.9	60.8	32.4	25.0	166250	3.83
Plastic mulching @ 25 micron sheet (Recommended Practice by CCSHAU)	10	100.0	68.3	34.8	34.37	234350	4.13

Problem definition: Lower productivity and profitability in Bajra cultivation

Technology Assessed: Performance of different tillage practices in Bajra cultivation

The KVK of Rewari in Haryana conducted on-farm trial on performance of different tillage practices in bajra cultivation. Farmers are generally prepared of land by harrow, cultivator before sowing of bajra, that methods are very expensive as well as created hard layer in soil at the depth of below 25 cm. The hard layer is less water infiltration during rainy season, So, the KVK conducted trial on deep tillage practice using reversible MB plough in Bajra cultivation. The reversible MB plough is deeply prepared of land about 30cm.for destroy the hard layer. The reversible MB plough is a very precise implement to control the weeds as well as enhance the productivity of bajra during kharif season. Land prepared by reversible MB plough had enhanced the bajra yield by 14.96% in Haryana with the net profit Rs. 47643 per hectare along with BC: Ratio 3.32.

Table Effect of tillage practices on yield and income of Bajra

Technology Option	No. of trials	Plant height (cm)	Ear head length (cm)	Thousand Grain Weight (gm)	Yield (t/ha)	Net Returns (Rs./ha)	BC Ratio
Land prepared by harrow, cultivator (Farmers Practice)		120.2	25.4	6.9	2.5	47643	2.69
Land prepared by reversible MB plough (Recommended Practice by CCSHAU)	10	180.1	27.3	7.3	2.2	38332	3.32

II. FRONTLINE DEMONSTRATION

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

List of technologies demonstrated during previous year and popularized during 2020 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 s	spread of tech	nology
					No. of villages	No. of farmers	Area in ha
1	Wheat	Crop management	Varietal, seed treatment &nutrient management	Populariz variety HD 2967 with seed treatment, weed management and balance nutrient management	5	250	100
2	Barley	Crop management	Varietal, seed treatment &nutrient management	Populariz New variety RD 2907 with seed treatment	3	60	24
3	Gram	ICM	Varietal, Seed treatment, Nutient management, Weed management &insect-pest management	Popularize Variety CSJ-515 with Seed treatment, Nutient management, Weed management & insect-pest management	5	75	30
4	Musatard	ICM	Varietal, Seed treatment, Nutrient management, Weed management & insect-pest management	Popularize Variety Giriraj and RH-725 with Seed treatment, Nutrient management, Weed management &insect-pest management	5	300	160
5	Sesame	ICM	Varietal, weed management, nutrient management,& insect-pest management	Popularize Variety RT-351 with Seed treatment, Nutrient management, Weed management &insect-pest management	4	60	24

^{*} Thematic areas as given in Table 3.1 (A1 and A2)

b. Details of FLDs implemented during 2021 (Information is to be furnished in the following three tables for each category i.e. cereals, horticultural crops, oilseeds, pulses, cotton and commercial crops.)

SI. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (h	na)	de	o. of farmer monstratio		Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1	Mustard	ICM	Varietal, Seed treatment, Nutrient management,Weed management & insect-pest manegement	Rabi-2020-21	96	96	20	194	214	No
2	Gram	ICM	Varietal,Seed treatment,Nutient management,Weed management &insect-pest manegement	Rabi-2020-21	20	20	0	42	42	No
3	Barley	ICM	Varietal, Seed treatment, Nutrient management	Rabi-2020-21	3.2	3.2	0	7	7	No
4	S.Moong	ICM	Varietal,Seed treatment,Nutient management,Weed management &insect-pest manegement	Summer-2021	20	20	1	41	42	No
5	Sesame	ICM	Varietal,weed management,nutrient management,& insect-pest management	Kharif-2021	30	30	1	59	60	No
6	Okra	ICM	Varietal, YVMV incidence, Sowing time & method, INM & IPM	Kharif 2021	02	02		10	10	
7	Marigold	ICM	Varietal, Nursery management, bed planting, pinching & IPM	Kharif 2021	02	02		10	10	
8	Carrot	ICM	Varietal, sowing time & sowing method- Bed Sowing & INM	Rabi 2020-21	02	02		10	10	
9	Onion	ICM	Varietal , Sowing time & nursery management & transplanting, balance use of fertilizer, IPM	Rabi 2020-21	02	02		10	10	

Details of farming situation

Crop	Season	Farming situation kF/Irrigated)	il type	Sta	atus of se	oil	ous crop	ing date	est date	asonal all (mm)	of rainy days
	ŏ	Fa sit (RF/I	Soil	N	Р	К	Previous	Sowing	Harvest	Seasorainfall	No.
Muastard	Rabi	Irrigated	Sandy loam / Loamy Sand	L	М	М	Bajra	15-22 Oct	Last March	77.80	12
Gram	Rabi	Irrigated	Sandy Ioam / Loamy Sand	L	М	М	Bajra	18-26 Oct.	Ist week of April	77.80	12
Barley	Rabi	Irrigated	Sandy loam / Loamy Sand	L	М	М	Bajra	1-7 Nov.	Ist week of March	77.80	12
S.Moong	Summer	Irrigated		L	М	М	Mustard	26-31 March	18-26 June	148.70	16
Sesame	Kharif	Irrigated	Sandy Ioam / Lomy Sand	L	М	М	Wheat & Mustard	12-22 July	7-12 Oct	747.7	46

Technical Feedback on the demonstrated technologies

S. No	Feed Back
1	
2	

Farmers' reactions on specific technologies

S. No	Feed Back
1 Mustard	Non shattering at the time of harvesting, Good production quality of DRMRIJ-31(Giriraj), No of pods and branch/plant more
2 Gram	variety CSJ-515 is better than others, regarding .no. of branching per plant with pod size and Yield
3 Barley	Barley variety is better than local and no lodging problem
4 S.Moong	Farmers Very satisfy MH-421 Variety Character of one time Harvesting(No picking) and Pod length With more pod per plant
5 Sesame	variety RT-351 is better than other in regarding productivity with bold seed size, more no. of pod per plant, better pod size

Extension and Training activities under FLD

SI.No.	Activity	No. of activities organised	Date	Number of participants	Remarks
1	Field days	Gram	29.01.2021	33	
		Gram	02.02.2021	40	
		Mustard	22.02.2021	58	
		Carrot	23.02.2021	47	
		Mustard	24.02.2021	65	
		Mustard			
		Wheat			
		Barley			
		Chickpea			
		Onion	22.05.2021	20	
		Okra	27.07.2021	25	
		Pearl millet			
		Sesame	29.09.2021	34	
		Cluster bean			
		Marigold	01.11.2021	25	
2	Farmers Training	Mustard	19.9.21	17	
		Mustard	28.9.21	20	
		Mustard	23.10.21	15	
	Farmers Training	Gram	5.10.21	27	
	Farmers Training	S.Moong	17.3.21	12	
		S.Moong	25.3.21	18	
		S.Moong	9.4.21	10	
	Farmers Training	Sesame	7.7.21	18	
			26.7.21	11	
			24.8.21	10	
3	Media coverage				
4	Training for extension functionaries				

Performance of Frontline demonstrations

Frontline demonstrations on oilseed crops

	Thematic	technology		No. of	Area		Yi	eld (q/ha)		% Increase	Ecor	nomics of (tion	i	Economics (Rs./		į
Crop	Area	demonstrated	Variety	Farmers	(ha)		Dem	10	Check	in yield	Gross	Gross	Net	BCR	Gross	Gross	Net	BCR
						High	Low	Average	CHECK		Cost	Return	Return	(R/C)	Cost	Return	Return	(R/C)
Groundnut																		
Sesamum	ICM	Varietal,weed	RT-351	26	13.60	5.25	3.75	4.42	3.75	17.87	24565	33592	9027	1.37	24238	28500	4262	1.18
		management, nutrient management, & insect-pest management	RT-351	34	16.40	6.25	3.80	4.61	3.75	22.93	24565	35036	10471	1.43	24238	28500	4262	1.18
									HT-1									
Marriana	ICM	Varietal,Seed	 Giriraj	132	61.60	33.50	24.50	26.54	23.80	 11.51	39210	132700	93490	3.38	36073	119000	82927	3.30
Mustard	ICIVI	treatment,Nutient	1															
		management, Weed management & insect-pest manegement	Giriraj	82	34.4	27.40	24.75	25.65	23.25 RH-0749	10.32	40460	128250	87790	3.17	37323	116250	78927	3.11
Toria																		
Linseed																		
Sunflower																		
Soybean																		

Frontline demonstration on pulse crops

	Thematic	technology		No. of	Area			eld (q/ha)		% Increase	Ecor	nomics of ((Rs./		tion	E	Economics (Rs./		
Crop	Area	demonstrated	Variety	Farmers	(ha)		Den	,	Check	in yield	Gross	Gross	Net	BCR	Gross	Gross	Net	BCR
						High	Low	Average	Officer		Cost	Return	Return	(R/C)	Cost	Return	Return	(R/C)
Pigeonpea																		
Blackgram																		
Greengram	ICM	Varietal,Seed treatment,Nutient	MH-421	23	10.40	9.50	7.0	8.09	6.75	19.85	33025	40046	7021	1.21	30400	33413	3013	1.10
		management,Weed	Mh-421	19	9.60	9.80	7.40	8.34	7.10	17.47	31775	41283	9508	1.30	29150	35145	5995	1.21
		management &insect-pest manegement							SML-668									
Chickpea	ICM	Varietal,Seed treatment,Nutient	CSJ-515	38	17.2	17.75	11.25	13.50	10.75	25.58	34894	68850	33956	1.97	30991	54825	23834	1.77
		management,Weed management &insect-pest manegement	CSJ-515	4	2.8	14.50	13.0	13.75	11.0 HC-1	25.0	33644	70125	36481	2.08	29741	56100	26359	1.89
Fieldpea																		
Lentil																		
Horsegram																		

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

^{*} 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 Other crops

Category &	Thematic	Name of the	No. of	Area		Yie	eld (q/ha)		% Change	Other Pa	rameters	Econo	omics of d (Rs./l		ition	Econo	mics of c	heck (Rs	./ha)
Crop	Area	technology	Farmers	(ha)	High	Dem Low	o Average	Check	in Yield	Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Cereals																			
Paddy																			
Waterlogged Situation																			
Coarse Rice																			
Scented Rice																			
Wheat																			
Wheat Timely sown																			
Wheat Late Sown																			
Mandua																			
Barley (RD- 2907)	Crop management	Varietal, seed treatment &nutrint management	7	3.20	53.50	50.50	52.50	50.0 BH-393	7.73	Grain/spike 56-58, Spike length 3.2-3.6 inch, no of tillers-5-8	Grain/spike 53-56, Spike length 33.6 inch, no of tillers-4-6	48465	107730	59265	2.22	46465	102600	56135	2.20
Maize																			

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Bajra																			
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Barnyard millet																			
Finger millet			_																
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Vegetables																			
Bottlegourd																			
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Carrot	ICM	Varietal ,sowing time & sowing method- Bed Planting, INM	10	02	360	300	330	290	13.79	Days taken to maturity. 87 days	Days taken to maturity. 95 days	150000	495000	345000	3.30	140000	435000	295000	3.10
Carrot	ICM 	,sowing time & sowing method- Bed	10 	 	360	300	330	290 	13.79 	to maturity.	to maturity.	150000 	495000	345000	3.30	140000	435000 	295000	3.10
Carrot Bittergourd		,sowing time & sowing method- Bed Planting, INM								to maturity. 87 days	to maturity. 95 days								
		,sowing time & sowing method- Bed Planting, INM								to maturity. 87 days	to maturity. 95 days								
		,sowing time & sowing method- Bed Planting, INM						 	 	to maturity. 87 days	to maturity. 95 days								
		,sowing time & sowing method- Bed Planting, INM								to maturity. 87 days	to maturity. 95 days								
		,sowing time & sowing method- Bed Planting, INM						 	 	to maturity. 87 days	to maturity. 95 days								
Bittergourd		,sowing time & sowing method- Bed Planting, INM	 	 		 	 	 	 	to maturity. 87 days	to maturity. 95 days	 	 	 	 	 	 	 	
Bittergourd	 	,sowing time & sowing method- Bed Planting, INM	 	 			 	 	 	to maturity. 87 days	to maturity. 95 days	 	 	 	 	 	 	 	
Bittergourd Cowpea	 	,sowing time & sowing method- Bed Planting, INM	 	 		 	 	 	 	to maturity. 87 days	to maturity. 95 days	 	 	 	 	 	 	 	
Bittergourd	 	,sowing time & sowing method- Bed Planting, INM	 	 			 	 	 	to maturity. 87 days	to maturity. 95 days	 	 	 	 	 	 	 	
Bittergourd Cowpea	 	,sowing time & sowing method- Bed Planting, INM	 	 			 	 	 	to maturity. 87 days	to maturity. 95 days	 	 	 	 	 	 	 	
Bittergourd Cowpea	 	,sowing time & sowing method- Bed Planting, INM	 	 			 	 	 	to maturity. 87 days	to maturity. 95 days	 	 	 	 	 	 	 	
Bittergourd Cowpea Spongegourd	 	,sowing time & sowing method- Bed Planting, INM	 	 			 	 	 	to maturity. 87 days	to maturity. 95 days	 	 		 	 	 		
Bittergourd Cowpea	 	,sowing time & sowing method- Bed Planting, INM	 					 	 	to maturity. 87 days	to maturity. 95 days	 	 	 	 	 	 	 	
Bittergourd Cowpea Spongegourd	 	,sowing time & sowing method- Bed Planting, INM	 	 			 	 	 	to maturity. 87 days	to maturity. 95 days	 	 		 	 	 		
Bittergourd Cowpea Spongegourd	 	,sowing time & sowing method- Bed Planting, INM	 					 	 	to maturity. 87 days	to maturity. 95 days	 	 	 	 	 	 	 	
Bittergourd Cowpea Spongegourd	 	,sowing time & sowing method- Bed Planting, INM	 					 	 	to maturity. 87 days	to maturity. 95 days				 				
Bittergourd Cowpea Spongegourd	 	,sowing time & sowing method- Bed Planting, INM	 					 	 	to maturity. 87 days	to maturity. 95 days	 		 	 		 		
Bittergourd Cowpea Spongegourd	 	,sowing time & sowing method- Bed Planting, INM	 					 	 	to maturity. 87 days	to maturity. 95 days				 				
Bittergourd Cowpea Spongegourd	 	,sowing time & sowing method- Bed Planting, INM					 	 	 	to maturity. 87 days	to maturity. 95 days				 				

Frenchbean																			
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Capsicum																			
Chilli																			
Brinjal																			
Variation in a																			
Vegetable pea																			
Softgourd																			
Congourd																			
	ICM	 Varietal	10	 02	 171	 143	 155	 130	 19.23		 Duration of	100000	 310000	210000	 3.10	95000	260000	 165000	2.73
Okra	IOW	,sowing time & sowing method,YVMV incidence,		02		140	100	100	13.20	Duration of crop 130 days YVMV incidence-	crop 120 days YVMV incidence-	100000	310000	210000	0.10	33000	200000	100000	2.70
		INM,IPM,								NIL	5%								
		INM,IPM,								NIL 	5% 								
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Colocasia (Arvi)			ļ			}	<u> </u>					 		÷	·}	 	ļ	 	· } ·····
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(Arvi) Broccoli	 		 	 	 	 	 	 	 			 	 	 	 	 	 	 	
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(Arvi) Broccoli Cucumber			 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	
(Arvi) Broccoli Cucumber		Varietal , Sowing time & nursery management, transplanting ,balance use of	 	 	 	 	 	 	 			 	 	 	 	 	 	 	
(Arvi) Broccoli Cucumber	 ICM		 10	 2.0	 425	 355	 390	 340	 14.70			 125000	 585000	 460000	 4.68	 120000	 510000	 390000	 4.25

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Lettuce	<u> </u>		ļ									 	<u> </u>					.	ļ
Lettuce																			
Cabbage																			
Jubbugu																			
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Cauliflower																			
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Elephant fruit																			
Elower areas	÷	-								<u> </u>			ļ			·		÷	ļ
Flower crops																			
Marigold	ICM	Varietal,	10	2.0	250	170	200	180	11.11	No. of	No. of	300000	1200000	900000	4.0	280000	180000	800000	3.85
		Nursery								flowers/plant	flowers/plant								
		management,								-300	-190								
		bed planting,								Duration of	Duration of								
		pinching & IPM								flowering 75	flowering 65								
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Fruit crops																			
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Strawberry																			
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Fodder Crops																		
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Oat (F)	 	 	 	 		 	 	 	 	
	 	 	 	 		 	 	 	 	

^{*} 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	No. of Farmer	No.of Units (Animal/	Major pa	rameters	% change	Other pa		Econom	ics of dem	onstratio	n (Rs.)	Е	conomics (Rs		
		demonstrated		Poultry/ Birds, etc)	Demo	Check	in major parameter	Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Cattle																	
Buffalo																	
Buffalo Calf																	
Dairy																	
Poultry																	
Sheep & Goat																	
Vaccination																	

^{*} 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 Fisheries

Category	Thematic	Name of the technology	No. of	No.of	Major pa	rameters	% change	Other pa	rameter	Econoi	nics of de	nonstratio	n (Rs.)	E		s of check s.)	
Category	area	demonstrated	Farmer	units	Demons ration	Check	in major parameter	Demons ration	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Common Carps																	
Composite fish culture																	
Feed Manageme nt																	

^{*} 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 Other enterprises

Category	Name of the technology	No. of Farmer	No.of units	Major par	ameters	% change in major	Other p	arameter	Econom		nonstration /unit	(Rs.) or			s of check Rs./unit	
	demonstrated			Demo	Check	parameter	Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Oyster Mushroom																
Button Mushroom																
Apiculture																
Maize Sheller																
Value Addition																
Vermi Compost																

FLD on Women Empowerment

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

FLD on Farm Implements and Machinery

Name of the implement	Crop	Technology demonstrated	No. of Farmer	Area (ha)	Major parameters	Filed obse		% change in major	Labor	reduction	(man day	s)		Cost redu /ha or Rs		.)
						Demo	Check	parameter	Land preparation	Sowing	Weedin g	Total	Land preparati on	Labour	Irrigati on	Total
ZT drill	wheat	RCT	25	10	BCR,CC,Labour deduction, net return	0.40	1.40	73.8	1.18		0.35	1.53	4500	800	300	5600
Twine Hand wheel hoe	Bajra	Weed management	10	4	BCR,CC,Labour deduction, net return	3.5	6.5	55			2.8	2.8	-	1300	300	1600

FLD on Other Enterprise: Kitchen Gardening

Category and	Thematic	Name of the	No. of	No. of	Yield	(Kg)	%	Other p	arameters	Eco	nomics of c	demonstrat	ion	l	Economics	of check	
Crop	area	technology	Farmer	Units			change				(Rs./	ha)			(Rs./I	na)	
		demonstrated			Demons	Check	in yield	Demo	Check	Gross	Gross	Net	BCR	Gross	Gross	Net	BCR
					ration					Cost	Return	Return	(R/C)	Cost	Return	Return	(R/C)

FLD on Demonstration details on crop hybrids (Details of Hybrid FLDs implemented during 2021

	onstration details o			-	•	Yield (q/l				Econo	mics of dem	onstration (Rs.	./ha)
Crop	technology demonstrated	Hybrid Variety	No. of Farmers	Area (ha)		Demo		011-	% Increase in yield	Gross	Gross	Net Detres	BCR
	uemonstrateu	Variety	i aimers	(πα)	High	Low	Average	Check	iii yiciu	Cost	Return	Net Return	(R/C)
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				ī	Participant	ts			
incinatic area	courses		Others		1	SC/ST		(Frand Tot	al
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production		112412	1 01111110	1000	1,14110	1 01111110	1000	1,14110	1 0111111	1000
Weed Management										
Resource Conservation Technologies										
Cropping Systems										
Crop Diversification										
Integrated Farming										
Micro Irrigation/irrigation										
Seed production										
Nursery management										
Integrated Crop Management	04	60	0	60	06	0	06	66	0	66
Soil & water conservation										
Integrated nutrient management										
Production of organic inputs										
Others (pl specify)Fodder Production	01	18	0	18	04	0	04	22	0	22
Total	05	78	0	78	10	0	10	88	0	88
II Horticulture										
a) Vegetable Crops										
Production of low value and high valume crops	02	20	01	21	02	0	02	22	01	23
Off-season vegetables										
Nursery raising										
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation										
Others (pl specify) IPM										
Total (a)	02	20	01	21	02	0	02	22	01	23
b) Fruits	02	20	V1	21	02	U	02	22	U1	23
Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit		1								
Management of young plants/orchards										
Rejuvenation of old orchards		1								1
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques Others (rl. specific)										
Others (pl specify)										1
Total (b)										
c) Ornamental Plants	01	1.5	01	1.0	01	0	01	1.6	01	17
Nursery Management	01	15	01	16	01	0	01	16	01	17
Management of potted plants										
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants										
Others (pl specify)		1.5		16				1.6		15
Total (c)	01	15	01	16	01	0	01	16	01	17
d) Plantation crops										
Production and Management technology										
Processing and value addition										
Others (pl specify)										
Total (d)										
e) Tuber crops	1				ļ					
Production and Management technology										
Processing and value addition										
Others (pl specify)										
Total (e)										
f) Spices										
Production and Management technology	01	13	0	13	01	0	01	14	0	14
Processing and value addition										
Others (pl specify)										
Total (f)	01	13	0	13	01	0	01	14	0	14

g) Medicinal and Aromatic Plants	ı	I		ĺ	l		l	1	l	
Nursery management										
Production and management technology										
Post harvest technology and value addition										
Others (pl specify)										
Total (g)										
GT (a-g)	04	48	02	50	04	0	04	52	02	54
III Soil Health and Fertility Management										
Soil fertility management										
Integrated water management										
Integrated Nutrient Management	03	38	02	40	08	0	08	 46	02	48
Production and use of organic inputs Management of Problematic soils								40		48
Micro nutrient deficiency in crops										
Nutrient Use Efficiency										
Balance use of fertilizers										
Soil and Water Testing										
Others (pl specify)										
Total	03	38	02	40	08	0	08	46	02	48
IV Livestock Production and Management										
Dairy Management										
Poultry Management										
Piggery Management										
Rabbit Management Animal Nutrition Management										
Disease Management										
Feed & fodder technology										
Production of quality animal products										
Others (pl specify)										
Total										
V Home Science/Women empowerment										
Household food security by kitchen gardening and										
nutrition gardening										
Design and development of low/minimum cost										
Designing and development for high nutrient										
efficiency diet										
Minimization of nutrient loss in processing										
Processing and cooking										
Gender mainstreaming through SHGs										
Storage loss minimization techniques										
Value addition										
Women empowerment										
Location specific drudgery reduction technologies										
Rural Crafts										
Women and child care Others (pl specify)										
Total										
VI Agril. Engineering										
Farm Machinary and its maintenance										
Installation and maintenance of micro irrigation	01	13	0	13	03	0	03	16	0	16
systems										
Use of Plastics in farming practices	01	09	0	09	02	0	02	11	0	11
Production of small tools and implements									_	
Repair and maintenance of farm machinery and	01	11	0	11	03	0	03	14	0	14
implements				1						
Small scale processing and value addition Post Harvest Technology										
Others (pl specify)										
Total	03	33	0	33	08	0	08	41	0	41
VII Plant Protection	0.5	- 55	v	55	00	v	00	71	· ·	71
Integrated Pest Management										
Integrated Disease Management										
Bio-control of pests and diseases										
Production of bio control agents and bio			-							
pesticides										
Others (pl specify)										
Total										

VIII Fisheries	İ	I	l	I	I	Ì	I	I	I	36
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)										
Total										
IX Production of Inputs at site										
Seed Production										
Planting material production										
Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production										
Organic manures production										
Production of fry and fingerlings										
Production of Bee-colonies and wax sheets										
Small tools and implements										
Production of livestock feed and fodder										
Production of Fish feed										
Mushroom Production										
Apiculture										
Others (pl specify)										
Total										
X Capacity Building and Group Dynamics										
Leadership development										
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										<u> </u>
Entrepreneurial development of farmers/youths										
WTO and IPR issues										
Others (pl specify)										
Total										
XI Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (pl specify)										
* * * * * * * * * * * * * * * * * * *										
Total CRAND TOTAL	15	197	04	201			20	227	04	221
GRAND TOTAL	15	197	04	201	30	0	30	227	04	231

Farmers' Training including sponsored training programmes (off campus)

Thematic area	No. of	Participants								
	courses	Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Weed Management	02	16	06	22	06	0	06	22	06	28
Resource Conservation Technologies						-				
Cropping Systems										
Crop Diversification										
Integrated Farming						1				
Micro Irrigation/irrigation						-				
Seed production										
Nursery management						1				
Integrated Crop Management	09	86	11	97	12	0	12	98	11	109
Soil & water conservatioin						1	-			-
Integrated nutrient management						1	-	-		-
Production of organic inputs										

Others (pl specify)Fodder Production	02	15	0	15	04	0	04	19	0	37 19
Total	13	117	17	134	22	0	22	139	17	156
II Horticulture	10	117		154		0		107	1,	100
a) Vegetable Crops										
Production of low value and high valume crops	03	41	07	48	08	0	08	49	07	56
Off-season vegetables										
Nursery raising	04	68	11	79	20	0	20	88	11	99
Exotic vegetables										
Export potential vegetables										
Grading and standardization									-	
Protective cultivation	02	23	0	23	03	0	03	26	0	26
Others (pl specify)IPM	02	24	0	24	03	0	03	27	0	27
Total (a)	11	156	18	174	34	0	34	190	18	208
b) Fruits										
Training and Pruning	01	12	06	18	07	0	07	19	06	25
Layout and Management of Orchards	01	14	0	14	03	0	03	17	0	17
Cultivation of Fruit	01	12	0	12	03	0	03	15	0	15
Management of young plants/orchards	02	30	0	30	05	0	05	35	0	35
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques										
Others (pl specify)	05			7.4	10		10			02
Total (b)	05	68	06	74	18	0	18	86	06	92
c) Ornamental Plants Nursery Management	01	1.6	0	16	02	0	02	18	0	18
Management of potted plants	01	16	-			0			0	<u> </u>
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants										
Others (pl specify)										
Total (c)	01	16	0	16	02	0	02	18	0	18
d) Plantation crops	01	10	U	10	02	U	02	10	U	10
Production and Management technology										
Processing and value addition										
Others (pl specify)										
Total (d)										
e) Tuber crops										
Production and Management technology	01	10	0	10	02	0	02	12	0	12
Processing and value addition										
Others (pl specify)										
Total (e)	01	10	0	10	02	0	02	12	0	12
f) Spices										
Production and Management technology	02	22	0	22	06	0	06	28	0	28
Processing and value addition									-	
Others (pl specify)										
Total (f)	02	22	0	22	06	0	06	28	0	28
g) Medicinal and Aromatic Plants										
Nursery management										
Production and management technology										
Post harvest technology and value addition										
Others (pl specify)										
Total (g)	20	272	24	206				224	24	250
GT (a-g)	20	272	24	296	62	0	62	334	24	358
III Soil Health and Fertility Management	02	25	0	25	1.5	0	15	40	0	40
Soil fertility management	03	25	0	25	15	0	15	40	0	40
Integrated water management Integrated Nutrient Management	01	09	0	09	04	0	04	13	0	13
Production and use of organic inputs										
Management of Problematic soils	01	08	04	12	0	0	0	08	04	12
Micro nutrient deficiency in crops	01	16	04	16	06	0	06	22	04	22
Nutrient Use Efficiency	01	10	0	10	05	0	05	15	0	15
Balance use of fertilizers	01	08	0	08	05	0	02	10	0	10
Soil and Water Testing	01	10	02	12	03	0	03	13	02	15
Others (pl specify)										
Total	09	86	06	92	35	0	35	121	06	127
IV Livestock Production and Management	0,	00	00		33	U	33	141	00	121
Dairy Management										
Poultry Management										
J	1	1	l	1	l	l	l	l		

Rabbit Management		i	1		1	Ī	i		1	ı	1
Aminal Numford Management	Piggery Management										
Disease Management											
Feed & Fodder technology			-								1
Production of quality animal products											
Others (pla specify)											
Vision Science/Women empowerment											
Vision V	4 1 1										
Household food security by kitchen gardening and multirion gardening and development of low/minimum cost diet											
Martinion gardening O4											
died		04	01	87	88	0	68	68	01	155	156
Designing and development for high nutrient efficiency difficiency differ for the filter includes in processing	-	01	0	25	25	0	10	10	0	35	35
Minimization of nutrient loss in processing											
Processing and cooking											
Gender mainstreaming through SHGS									1		
Storage loss minimization techniques											
Value addition			1								
Women empowerment			<u> </u>								
Location specific drudgery reduction technologies											
Rural Crafts											
Women and child care			1								
Others (pl specify)			-								
Total			-						 		
Farm Machinary and its maintenance											
Farm Machinary and its maintenance 02 23 0 23 05 0 05 28 0 28 1 23 1 20 1 20 33 0 0 32 20 1 23 23 25 25 25 25 25 25		11	01	202	203	0	114	114	01	316	317
Installation and maintenance of micro irrigation systems 19							_	_		_	
Systems Syst											
Production of small tools and implements	systems	01	19	01	20	03	0	03	22	01	23
Repair and maintenance of farm machinery and implements 0.3 4.3 0 4.3 1.1 0 1.1 5.4 0 5.4 implements 5.5 implements	Use of Plastics in farming practices	02	26	0	26	06	0	06	32	0	32
Implements	Production of small tools and implements	04	42	0	42	12	0	12	54	0	54
Small scale processing and value addition		03	43	0	43	11	0	11	54	0	54
Dest Harvest Technology	Small scale processing and value addition	01	30	Λ	30	06	0	06	36	0	36
Others (pl specify)		01	50	U	30	00	U	00	50	U	50
Total							_				
VII Plant Protection	Post Harvest Technology	01	35	15	50	10	0	10	45	15	60
Integrated Pest Management	Post Harvest Technology Others (pl specify)	01	35	15 	50	10	0	10	45 	15	60
Integrated Disease Management	Post Harvest Technology Others (pl specify) Total	01	35	15 	50	10	0	10	45 	15	60
Bio-control of pests and diseases	Post Harvest Technology Others (pl specify) Total VII Plant Protection	01 14	35 218	15 16	50 234	10 53	0	10 53	45 271	15 16	60 287
Production of bio control agents and bio pesticides	Post Harvest Technology Others (pl specify) Total VII Plant Protection Integrated Pest Management	01 14	35 218	15 16	50 234	10 53	0 0	10 53	45 271	15 16	60 287
Desticides	Post Harvest Technology Others (pl specify) Total VII Plant Protection Integrated Pest Management Integrated Disease Management	01 14	35 218	15 16	50 234	10 53	0 0	10 53	45 271	15 16	60 287
Others (pl specify)	Post Harvest Technology Others (pl specify) Total VII Plant Protection Integrated Pest Management Integrated Disease Management Bio-control of pests and diseases	01 14	35 218	15 16	50 234	10 53	0 0	10 53	45 271	15 16	60 287
Total	Post Harvest Technology Others (pl specify) Total VII Plant Protection Integrated Pest Management Integrated Disease Management Bio-control of pests and diseases Production of bio control agents and bio	01 14	35 218	15 16	50 234 	10 53 	0 0	10 53 	45 271 	15 16	60 287
VIII Fisheries Integrated fish farming Integrated fish call farming </td <td>Post Harvest Technology Others (pl specify) Total VII Plant Protection Integrated Pest Management Integrated Disease Management Bio-control of pests and diseases Production of bio control agents and bio pesticides</td> <td>01 14</td> <td>35 218 </td> <td>15 16</td> <td>50 234 </td> <td>10 53 </td> <td>0 0</td> <td>10 53 </td> <td>45 271</td> <td>15 16</td> <td>60 287 </td>	Post Harvest Technology Others (pl specify) Total VII Plant Protection Integrated Pest Management Integrated Disease Management Bio-control of pests and diseases Production of bio control agents and bio pesticides	01 14	35 218 	15 16	50 234 	10 53 	0 0	10 53 	45 271	15 16	60 287
Integrated fish farming	Post Harvest Technology Others (pl specify) Total VII Plant Protection Integrated Pest Management Integrated Disease Management Bio-control of pests and diseases Production of bio control agents and bio pesticides Others (pl specify)	01 14	35 218	15 16	50 234	10 53 	0 0	10 53 	45 271	15 16	
Carp breeding and hatchery management	Post Harvest Technology Others (pl specify) Total VII Plant Protection Integrated Pest Management Integrated Disease Management Bio-control of pests and diseases Production of bio control agents and bio pesticides Others (pl specify) Total	01 14	35 218	15 16	50 234	10 53 	0 0	10 53 	45 271	15 16	
Carp fry and fingerling rearing	Post Harvest Technology Others (pl specify) Total VII Plant Protection Integrated Pest Management Integrated Disease Management Bio-control of pests and diseases Production of bio control agents and bio pesticides Others (pl specify) Total VIII Fisheries	01 14	35 218	15 16	50 234 	10 53	0 0	10 53	271 	15 16	
Composite fish culture	Post Harvest Technology Others (pl specify) Total VII Plant Protection Integrated Pest Management Integrated Disease Management Bio-control of pests and diseases Production of bio control agents and bio pesticides Others (pl specify) Total VIII Fisheries Integrated fish farming	01 14	35 218	15 16	50 234 	10 53 	0 0	10 53		15 16	
Hatchery management and culture of freshwater prawn	Post Harvest Technology Others (pl specify) Total VII Plant Protection Integrated Pest Management Integrated Disease Management Bio-control of pests and diseases Production of bio control agents and bio pesticides Others (pl specify) Total VIII Fisheries Integrated fish farming Carp breeding and hatchery management	01 14	35 218	15 16	50 234 	 	0 0	10 53		15 16	
prawn	Post Harvest Technology Others (pl specify) Total VII Plant Protection Integrated Pest Management Integrated Disease Management Bio-control of pests and diseases Production of bio control agents and bio pesticides Others (pl specify) Total VIII Fisheries Integrated fish farming Carp breeding and hatchery management Carp fry and fingerling rearing	01 14	35 218	15 16	50 234		0 0	10 53		15 16	
Breeding and culture of ornamental fishes	Post Harvest Technology Others (pl specify) Total VII Plant Protection Integrated Pest Management Integrated Disease Management Bio-control of pests and diseases Production of bio control agents and bio pesticides Others (pl specify) Total VIII Fisheries Integrated fish farming Carp breeding and hatchery management Carp fry and fingerling rearing Composite fish culture	01 14	35 218	15 16	50 234		0 0	10 53		15 16	
Portable plastic carp hatchery	Post Harvest Technology Others (pl specify) Total VII Plant Protection Integrated Pest Management Integrated Disease Management Bio-control of pests and diseases Production of bio control agents and bio pesticides Others (pl specify) Total VIII Fisheries Integrated fish farming Carp breeding and hatchery management Carp fry and fingerling rearing Composite fish culture Hatchery management and culture of freshwater	01 14	35 218	15 16	50 234		0 0	10 53		15 16	
Pen culture of fish and prawn	Post Harvest Technology Others (pl specify) Total VII Plant Protection Integrated Pest Management Integrated Disease Management Bio-control of pests and diseases Production of bio control agents and bio pesticides Others (pl specify) Total 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	01 14	35 218	15 16	50 234			10 53	45 	15 16	
Shrimp farming	Post Harvest Technology Others (pl specify) Total VII Plant Protection Integrated Pest Management Integrated Disease Management Bio-control of pests and diseases Production of bio control agents and bio pesticides Others (pl specify) Total 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	01 14	35 218	15 16	50 234			10 53	45 	15 16	
Edible oyster farming <t< td=""><td>Post Harvest Technology Others (pl specify) Total VII Plant Protection Integrated Pest Management Integrated Disease Management Bio-control of pests and diseases Production of bio control agents and bio pesticides Others (pl specify) Total 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</td><td>01 14</td><td>35 218</td><td>15 16</td><td>50 234</td><td></td><td></td><td></td><td></td><td>15 16</td><td></td></t<>	Post Harvest Technology Others (pl specify) Total VII Plant Protection Integrated Pest Management Integrated Disease Management Bio-control of pests and diseases Production of bio control agents and bio pesticides Others (pl specify) Total 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	01 14	35 218	15 16	50 234					15 16	
Pearl culture	Post Harvest Technology Others (pl specify) Total VII Plant Protection Integrated Pest Management Integrated Disease Management Bio-control of pests and diseases Production of bio control agents and bio pesticides Others (pl specify) Total 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	01 14	35 218	15 16	50 234					15 16	
Fish processing and value addition <	Post Harvest Technology Others (pl specify) Total VII Plant Protection Integrated Pest Management Integrated Disease Management Bio-control of pests and diseases Production of bio control agents and bio pesticides Others (pl specify) Total 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	01 14	35 218	15 16	50 234		0 0			15 16	
Others (pl specify)	Post Harvest Technology Others (pl specify) Total VII Plant Protection Integrated Pest Management Integrated Disease Management Bio-control of pests and diseases Production of bio control agents and bio pesticides Others (pl specify) Total 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	01 14	35 	15 16	50 234		0 0			15 16	
Others (pl specify)	Post Harvest Technology Others (pl specify) Total VII Plant Protection Integrated Pest Management Integrated Disease Management Bio-control of pests and diseases Production of bio control agents and bio pesticides Others (pl specify) Total 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	01 14	35 	15 16	50 234					15 16	
Total	Post Harvest Technology Others (pl specify) Total VII Plant Protection Integrated Pest Management Integrated Disease Management Bio-control of pests and diseases Production of bio control agents and bio pesticides Others (pl specify) Total 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	01 14	35 	15 16	50 234		0 0			15 16	
IX Production of Inputs at site Seed Production <	Post Harvest Technology Others (pl specify) Total VII Plant Protection Integrated Pest Management Integrated Disease Management Bio-control of pests and diseases Production of bio control agents and bio pesticides Others (pl specify) Total 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	01 14	35 	15 16	50 234		0 0			15	
Seed Production	Post Harvest Technology Others (pl specify) Total VII Plant Protection Integrated Pest Management Integrated Disease Management Bio-control of pests and diseases Production of bio control agents and bio pesticides Others (pl specify) Total 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 Others (pl specify)	01 14	35 	15 16	50 234			10 53		15 16	
Planting material production	Post Harvest Technology Others (pl specify) Total VII Plant Protection Integrated Pest Management Integrated Disease Management Bio-control of pests and diseases Production of bio control agents and bio pesticides Others (pl specify) Total 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 Others (pl specify) Total	01 14	35 	15 16	50 234			10 53		15 16	
Bio-agents production <t< td=""><td>Post Harvest Technology Others (pl specify) Total VII Plant Protection Integrated Pest Management Integrated Disease Management Bio-control of pests and diseases Production of bio control agents and bio pesticides Others (pl specify) Total 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 Others (pl specify) Total IX Production of Inputs at site</td><td>01 14</td><td>35 </td><td>15 16</td><td>50 234</td><td>10 53</td><td>0 0</td><td>10 53</td><td></td><td>15</td><td></td></t<>	Post Harvest Technology Others (pl specify) Total VII Plant Protection Integrated Pest Management Integrated Disease Management Bio-control of pests and diseases Production of bio control agents and bio pesticides Others (pl specify) Total 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 Others (pl specify) Total IX Production of Inputs at site	01 14	35 	15 16	50 234	10 53	0 0	10 53		15	
Bio-pesticides production	Post Harvest Technology Others (pl specify) Total VII Plant Protection Integrated Pest Management Integrated Disease Management Bio-control of pests and diseases Production of bio control agents and bio pesticides Others (pl specify) Total 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 Others (pl specify) Total IX Production of Inputs at site Seed Production	01 14	35 	15 16	50 234	10 53	0 0	10 53	45 271	15	
	Post Harvest Technology Others (pl specify) Total VII Plant Protection Integrated Pest Management Integrated Disease Management Bio-control of pests and diseases Production of bio control agents and bio pesticides Others (pl specify) Total 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 Others (pl specify) Total IX Production of Inputs at site Seed Production Planting material production	01 14	35 218	15 16	50 234	10 53	0 0	10 53	45 271	15	
Bio-fertilizer production	Others (pl specify) Total VII Plant Protection Integrated Pest Management Integrated Disease Management Bio-control of pests and diseases Production of bio control agents and bio pesticides Others (pl specify) Total 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 Others (pl specify) Total IX Production of Inputs at site Seed Production Planting material production Bio-agents production	01 14	35 218	15 16	50 234	10 53	0 0	10 53	45 271	15	

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)										
Total										
X Capacity Building and Group Dynamics										
Leadership development										
Group dynamics			-						-	
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
WTO and IPR issues			-						-	
Others (pl specify)										
Total										
XI Agro-forestry										
Production technologies			-						-	
Nursery management										
Integrated Farming Systems										
Others (pl specify)										
Total			-						-	
GRAND TOTAL	67	694	265	959	172	114	286	866	379	1245

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

Thematic area	No. of									
	courses		Others			SC/ST		(Frand Tot	al
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Weed Management	02	16	06	22	06	0	06	22	06	28
Resource Conservation Technologies										
Cropping Systems										
Crop Diversification										
Integrated Farming										
Micro Irrigation/irrigation										
Seed production										
Nursery management										
Integrated Crop Management	13	146	11	157	18	0	18	164	11	175
Soil & water conservatioin										
Integrated nutrient management										
Production of organic inputs										
Others (pl specify) Fodder Production	03	33	0	33	08	0	08	41	0	41
Total	18	195	17	212	32	0	32	227	17	244
II Horticulture										
a) Vegetable Crops										
Production of low value and high valume crops	05	61	08	69	10	0	10	71	08	79
Off-season vegetables										
Nursery raising	04	68	11	79	20	0	20	88	11	99
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation	02	23	0	23	03	0	03	26	0	26
Others (pl specify) IPM	02	24	0	24	03	0	03	27	0	27
Total (a)	13	176	19	195	36	0	36	212	19	231
b) Fruits										
Training and Pruning	01	12	06	18	07	0	07	19	06	25
Layout and Management of Orchards	01	14	0	14	03	0	03	17	0	17
Cultivation of Fruit	01	12	0	12	03	0	03	15	0	15
Management of young plants/orchards	02	30	0	30	05	0	05	35	0	35
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										

Plant propagation techniques	l	1 1		l	l			l		40
Others (pl specify)										
Total (b)	05	68	06	74	18	0	18	86	06	92
c) Ornamental Plants		- 00		1.	10				- 00	
Nursery Management	02	31	01	32	03	0	03	34	01	35
Management of potted plants										
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants										
Others (pl specify)										
Total (c)	02	31	01	32	03	0	03	34	01	35
d) Plantation crops										
Production and Management technology						-				
Processing and value addition										
Others (pl specify)			-							
Total (d)										
e) Tuber crops										
Production and Management technology	01	10	0	10	02	0	02	12	0	12
Processing and value addition			1			I			-	
Others (pl specify)			1			1			-	
Total (e)	01	10	0	10	02	0	02	12	0	12
f) Spices										
Production and Management technology	03	35	0	35	07	0	07	42	0	42
Processing and value addition			-							
Others (pl specify)			-			-			-	
Total (f)	03	35	0	35	07	0	07	42	0	42
g) Medicinal and Aromatic Plants										
Nursery management						-				
Production and management technology						-				
Post harvest technology and value addition										
Others (pl specify)										
Total (g)										
GT (a-g)	24	320	26	346	66	0	66	386	26	412
III Soil Health and Fertility Management										
Soil fertility management	03	25	0	25	15	0	15	40	0	40
Integrated water management	0.1	0.0	0	00	0.4	0	0.4	10	0	10
Integrated Nutrient Management	01	09	0	09	04	0	04	13	0	13
Production and use of organic inputs	03	38	02	40	08	0	08	46	02	48
Management of Problematic soils	01	08	04	12	0	0	0	08	04	12
Micro nutrient deficiency in crops	01	16	0	16	06	0	06	22	0	22
Nutrient Use Efficiency	01	10	0	10	05	0	05	15	0	15
Balance use of fertilizers	01	08 10	0 02	08 12	02	0	02	10 13	0	10 15
Soil and Water Testing Others (pl specify)	01	10	02	12	03	U	03	13	02	15
4 1 7	12	124	00	122	42	Δ.	42	167	00	175
Total	12	124	08	132	43	0	43	167	08	175
IV Livestock Production and Management				1						1
Dairy Management										
Poultry Management Piggery Management										
Rabbit Management										
Animal Nutrition Management										
Disease Management										
Feed & fodder technology										
Production of quality animal products										
Others (pl specify)										
Total										
V Home Science/Women empowerment										
Household food security by kitchen gardening and										<u> </u>
nutrition gardening	04	01	87	88	0	68	68	01	155	156
Design and development of low/minimum cost	U-F	01	07	0.0		00	00	01	155	150
				ĺ		10	10	0	25	35
	01	0	25	25	()	10	10		.3.3	
diet	01	0	25	25	0	10	10	0	35	
diet Designing and development for high nutrient	01	0	25	25						
diet Designing and development for high nutrient efficiency diet										
diet Designing and development for high nutrient efficiency diet Minimization of nutrient loss in processing										
diet Designing and development for high nutrient efficiency diet Minimization of nutrient loss in processing Processing and cooking										
diet Designing and development for high nutrient efficiency diet Minimization of nutrient loss in processing Processing and cooking Gender mainstreaming through SHGs	 		 			 			 	
diet Designing and development for high nutrient efficiency diet Minimization of nutrient loss in processing Processing and cooking	 	 	 	 	 		 	 		

Location specific drudgery reduction technologies				l						41
Rural Crafts										
Women and child care										
Others (pl specify)										
Total	11	01	202	203	0	114	114	01	316	317
VI Agril. Engineering										
Farm Machinary and its maintenance	02	23	0	23	05	0	05	28	0	28
Installation and maintenance of micro irrigation										
systems	02	32	01	33	06	0	06	38	01	39
Use of Plastics in farming practices	03	35	0	35	08	0	08	43	0	43
Production of small tools and implements	04	42	0	42	12	0	12	54	0	54
Repair and maintenance of farm machinery and	04	54	0	54	14	0	14	68	0	68
Small scale processing and value addition	01	30	0	30	06	0	06	36	0	36
Post Harvest Technology	01	35	15	50	10	0	10	45	15	60
Others (pl specify)	01	33	13	30	10	0	10	43	13	- 00
Total	17	251	16	267	61	0	61	312	16	328
VII Plant Protection			- 10		- 01		- 01	012	- 10	
Integrated Pest Management			-							
Integrated Disease Management										
Bio-control of pests and diseases			-			-				
Production of bio control agents and bio										
pesticides										
Others (pl specify)										
Total										
VIII Fisheries	1	-		 						
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)										
Total										
IX Production of Inputs at site										
Seed Production										
Planting material production										
Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production			I			-				
Vermi-compost production										
Organic manures production										
Production of fry and fingerlings										
Production of Bee-colonies and wax sheets										
Small tools and implements Production of livesteels food and foodder										
Production of livestock feed and fodder Production of Fish feed										
Mushroom Production										
Apiculture										
Others (pl specify)										
Total										
X Capacity Building and Group Dynamics	1			1						
Leadership development			1							
Group dynamics										
Formation and Management of SHGs			-							
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
WTO and IPR issues										
Others (pl specify)										
Total XI Agra forestry										
XI Agro-forestry	1	<u> </u>		<u> </u>	<u> </u>		<u> </u>	<u> </u>	L	<u> </u>

Production technologies										
Nursery management										
Integrated Farming Systems										
Others (pl specify)										
Total										
GRAND TOTAL	82	891	269	1160	202	114	316	1093	383	1476

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

	No. of				No. of	Participants		1	G 1m 1	
Area of training	Courses	Male	General Female	Total	Male	SC/ST Female	Total	Male	Grand Total Female	Total
Nursery Management of		Maie	Female	Total	Maic	Female	Total	Maic	remaie	Total
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	01	08	0	08	03	0	03	11	0	11
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
Production of quality animal										
products										
Dairying										1
Sheep and goat rearing										
Quail farming										-
Piggery										
Rabbit farming										
Poultry production										
Ornamental fisheries										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming						-			-	1
Pearl culture										
Cold water fisheries										-
Fish harvest and processing										
technology										
Fry and fingerling rearing										
Any other (pl.specify)										
TOTAL	01	08	0	08	03	0	03	11	0	11

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

					No. of	Participants	8			
Area of training	No. of Courses		General			SC/ST			Grand Tota	l
	Courses	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	01	14	0	14	02	0	02	16	0	16
Bee-keeping										
Sericulture										
Repair and maintenance of										
farm machinery and implements										
Value addition										
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
Production of quality animal										
products										
Dairying										
Sheep and goat rearing										
Quail farming										
Piggery Rabbit farming										
Poultry production										
Ornamental fisheries										
Composite fish culture								-		1
Freshwater prawn culture Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing										
technology				_		_			_	
Fry and fingerling rearing										
Any other (pl.specify)										
TOTAL	01	14	0	14	02	0	02	16	0	16

$Training\ for\ Rural\ Youths\ including\ sponsored\ training\ programmes - CONSOLIDATED\ (On+Off\ campus)$

					No. of	Participa	nts			
Area of training	No. of Courses		General			SC/ST		(Grand Tot	al
	Courses	Male	Femal e	Total	Male	Femal e	Total	Male	Femal e	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	01	14	0	14	02	0	02	16	0	16
Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery and implements										
Value addition										
Small scale processing	01	08	0	08	03	0	03	11	0	11
Post Harvest Technology										
Tailoring and Stitching Rural Crafts										
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)	02	22	0	22	05	0	05	 27	0	
TOTAL	U2		U	22	05	U	US	21	U	27

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

	No. of				No.	of Particip	ants			
Area of training	Courses		General			SC/ST			Grand Tota	al
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops										
Integrated Pest Management										
Integrated Nutrient management	02	25	0	25	06	0	06	31	0	31
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)										
TOTAL	02	25	0	25	06	0	06	31	0	31

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

	No. of				No.	of Particip	oants			
Area of training	Courses		General			SC/ST			Grand Tota	al
		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)										
TOTAL										

 $Training\ programmes-CONSOLIDATED\ (On+Off\ campus)$

	No of	No. of Participants								
Area of training	No. of Courses	General				SC/ST		(Frand Tota	al
	Courses	Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops						1	-			
Integrated Pest Management				-		1				-
Integrated Nutrient management	02	25	0	25	06	0	06	31	0	31
Rejuvenation of old orchards						1	-			
Protected cultivation technology						1	-			
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)						-				
TOTAL	02	25	0	25	06	0	06	31	0	31

Table. Sponsored training programmes

	No. of				No. o	f Participa	ants			
Area of training	Courses		General			SC/ST		(Frand Tota	al
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop production and management										
Increasing production and productivity of crops	02	32	4	36	6		6	38	4	42
Commercial production of vegetables										
Production and value addition										
Fruit Plants										
Ornamental plants										
Spices crops										
Soil health and fertility management	02	28	6	34	11		11	39	6	45
Production of Inputs at site										
Methods of protective cultivation										
Others (pl. specify)										
Total	04	60	10	70	17		17	77	10	87
Post harvest technology and value addition										
Processing and value addition										
Others (pl. specify)										
Total										
Farm machinery										
Farm machinery, tools and implements	01	21	4	25	2		2	23	4	27
Others (pl. specify)										
Total	01	21	4	25	2		2	23	4	27
Livestock and fisheries										
Livestock production and management										
Animal Nutrition Management										
Animal Disease Management										
Fisheries Nutrition										
Fisheries Management										
Total										
Home Science										
Household nutritional security										
Economic empowerment of women										
Drudgery reduction of women										
Others (pl. specify)										
Total										
Agricultural Extension										
Capacity Building and Group Dynamics										
Others (pl. specify)										
Total										
GRAND TOTAL	05	81	14	95	19		19	100	14	114

Name of sponsoring agencies involved

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

Details of vocational trai		8		<u> </u>		Participa				
A	No. of		General			SC/ST		(Grand Tot	al
Area of training	Cours es					Femal			Femal	
	CS	Male	Female	Total	Male	e	Total	Male	e	Total
Crop production and										
management Commercial floriculture										
Commercial fruit production										
Commercial runt production Commercial vegetable										
production										
Integrated crop management										
Organic farming										
Others (pl. specify)										
Total										
Post harvest technology and										
value addition										
Value addition	01	0	26	26	0	15	15	0	41	41
Others (pl. specify)										
Total	01	0	26	26	0	15	15	0	41	41
Livestock and fisheries										
Dairy farming										
Composite fish culture										
Sheep and goat rearing										
Piggery										
Poultry farming										
Others (pl. specify)										
Total										
Income generation activities										
Vermicomposting										
Production of bio-agents, bio-										
pesticides,										
bio-fertilizers etc.										
Repair and maintenance of	0.1	1.1	0	11	02	0	02	1.4	0	1.4
farm machinery	01	11	0	11	03	0	03	14	0	14
and implements										
Rural Crafts										
Seed production										
Sericulture										
Mushroom cultivation	01	18	0	18	02	0	02	20	0	20
Nursery, grafting etc.	01	08	0	08	02	0	02	10	0	10
Tailoring, stitching,										
embroidery, dying etc.				<u> </u>						
Agril. para-workers, para-vet										
training								<u> </u>		<u> </u>
Others (pl. specify)										
Total	03	37	0	37	07	0	07	44	0	44
Agricultural Extension										
Capacity building and group										
dynamics										
Others (pl. specify)										
Total										
Grand Total	04	37	26	63	07	15	22	44	41	85

IV. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of farmers Extension Personnel	
Advisory Services				
Diagnostic visits	08	224	14	238
Field Day	12	468	16	496
Group discussions	03	115	05	120
Kisan Ghosthi	06	122	06	128
Film Show	03	165	06	171
Self -help groups	02	74	04	78
Kisan Mela				
Exhibition				
Scientists' visit to farmers field	171	801	04	976
Plant/animal health camps				
Farm Science Club	03	145	04	149
Ex-trainees Sammelan	03	65	04	69
Farmers' seminar/workshop	02	125	05	130
Method Demonstrations	06	85	04	89
Celebration of important days	05	292	12	309
Special day celebration	05	232	09	246
Exposure visits				
Others (pl. specify)				
Total	229	2913	93	3199

Details of other extension programmes

Particulars Particulars	Number
Electronic Media (CD./DVD)	
Extension Literature	15
News paper coverage	36
Popular articles	12
Radio Talks	
TV Talks	03
Animal health amps (Number of animals treated)	
Others (pl. specify)	
Total	66

		Type of Messages								
Name of KVK	Message Type	Crop	Livestock	Weather	Marketing	Awareness	Other enterprise	Total		
	Text only	27				21	12	60		
Rewari	Voice only									
	Voice & Text both									
	Total Messages	27				21	12	60		
	Total farmers Benefitted	2056237				1599220	913899	4569356		

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	05	110	Mustard, Wheat, Sesame & Pearl millet
	Lectures organised	12	390	ICM, IPM, INM & Organic farming
	Exhibition			
	Film show			
	Fair			
	Farm Visit	06	215	Latest technology of crop production & agri enterprises
	Diagnostic Practicals			
	Distribution of Literature (No.)	15	540	ICM, IPM, INM in rabi & kharif crops
	Distribution of Seed (q)			
	Distribution of Planting materials (No.)	34320	154	Seedling of Brinjal, chilli, Tomato, cauliflower & Marigold
	Bio Product distribution (Kg)	3875	130	Vermi compost & earth worms
	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	Azola			81kg	4860	
Fiber crops						
Forest Species						
Others						
Total						

Production of planting materials by the KVKs

Commercial Vegetable seedlings	Brinjal Chilli Tomato Cauliflower	 	22640	11320	
	 Brinjal Chilli Tomato	 	22640		
Vegetable seedlings	Brinjal Chilli Tomato	 	22640		
Vegetable seedlings	Chilli Tomato	 		11320	
	Tomato				l
			1200	600	
	Cauliflower	 	3780	1890	
			4600	2300	
Fruits	Aonla	 	317	3170	
		 	- ·		
Ornamental plants	Marigold	 	2100	1050	02
<i>p</i>		 			
Medicinal and Aromatic		 			
Plantation		 			
Turituron		 			
Spices		 			
piecs		 			
Гuber		 			
i doci		 			
Fodder crop saplings		 			
odder crop sapinigs		 			
Forest Species		 			
orest apocies		 			
Others		 			
Others		 			
Fotal		 	34637	20330	02

Production of Bio-Products

	Name of the bio-product	Quantity		
Bio Products		Kg	Value (Rs.)	No. of Farmers
Bio Fertilisers	Vermi compost	3850	23250	125
Bio-pesticide				
Bio-fungicide				
Bio Agents	Earth Worms	25	9690	05
Others				
Total		3875	32940	130

Table: Production of livestock materials

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

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	339	229	162	3390	339
Water	373	306	253	3730	
Plant					
Manure					
Others (pl.specify)					
Total	712	535	415	7120	339

VIII. SCIENTIFIC ADVISORY COMMITTEE

Name of KVK	Date of SAC Meeting	Participants
Rewari (HR)	Rewari (HR) 12.10.2021 11	

IX. NEWSLETTER/MAGAZINE

Name of News letter/Magazine	No. of Copies printed for distribution	
News Letter (Quarterly)	2000	

X. PUBLICATIONS

Category	Number
Research Paper	
Technical bulletins	
Technical reports	03
Others (pl. specify)	12

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	Visit by officials			
	(No.)	(No.)					
			1	-			
				-			

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
Total			

Major area coverage under alternate crops/varieties

Crops	Area (ha)	Number of beneficiaries		
Oilseeds				
Pulses				
Cereals				
Vegetable crops				
Tuber crops				
Total				

Farmers-scientists interaction on livestock management

Livestock components	Number of interactions	No.of participants
Total		

Animal health camps organised

Number of camps	No.of animals	No.of farmers
Total		

Seed distribution in drought hit states

Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers
Total			

Large scale adoption of resource conservation technologies

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

Awareness campaign

		1 0										
	Meetings		Gosthies		Field d	lays	Farmers f	air	Exhibition		Film s	how
	No.	No.of	No.	No.of	No.	No.of	No.	No.of	No.	No.of	No.	No.of
		farmers		farmers		farmers		farmers		farmers		farmers
Total												

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
Total				

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
Total			

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

- a) 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
- b) 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
- c) 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 – Rewari(HR)

TITLE – Self-employment through Vermi-composting

Situation Analysis: - After completion his study Mr. Chhatarpal joined a private company on contractual basis. After two years he left the company due to very less salary and opted the Agriculture occupation for his livelihood. He started cultivation of traditional crops of wheat, mustard, barley, pearl millet and some vegetable on a usual pattern and applied chemical fertilizer. But due to not being profitable, farming awakened the desire to do something new in organic way. Then, he reached the Krishi Vigyan Kendra, Rampura-Rewari to get technical information about vermi compost production.

Technology implementation and support: - On the advice of scientists, he participated in 7 days training on "Vermi compost production technology" in 2018 and successfully completed it. After coming in contact with KVK scientists Mr. Chhatarpal started his own vermicompost unit at large scale on scientific basis in the year 2018. In this work, KVK scientists provided full technical support. Several visits made by scientists as per need to Vermi compost unit. They got success this time and accepted Vermi compost as a Self Employment.

Uptake: - Mr. Chhatarpal has not only made a good source of his income by adopting vermin compost Production as a self-employment, but has also developed his own 2.5 acre organic farm. Mr. Chhatarpal is very satisfied with this technology because he is not only securing his livelihood but also sets an example for coming generation as well as for farmer's community. In future, he planned to spread his vermin compost business to large scale.

Benefit: - Mr. Chhatarpal took a production of 380 quintals of vermin compost with 280 kilogram of earthworm in 20 beds of size 9 X 1 meter and received net income of Rs. 302000 which was sold at the average rate of Rs. 800 per quintal vermin compost and Rs. 400 per kg earthworm in the year 2018-19. In the year 2019-20, 750 quintals vermin compost was produced along with 550 kilogram earthworm in 40 beds and received net income of Rs. 595000 which was sold at the average rate of Rs. 800 per quintal vermin compost and Rs. 400 per kg earthworm. Similarly, in the year 2020-21, 1680 quintals vermin compost was produced along with 1020 kilogram earthworm in 80 beds and received net income of Rs. 1248000 which was sold at the average rate of Rs. 800 per quintal vermin compost and Rs. 400 per kg earthworm.

Spread: - Mr. Chhatarpal work as a role model for youths in nearby villages. He is encouraging interested farmers to prepare this multifunctional quality product on their own farms. Ten rural youths has started vermin compost production by seeing his progress.

Introduction - Electric Motor Rewinding

KVK intervention - KVK Rampura – Rewari has organized training programme on basic electricity & electric motor rewinding for rural youths as well as farmers. The duration of training programme of one month on every year. In the year 2018-19 & 2021-12 the total no. of trainees are 34.

Output - During the period, the programme was divided in two sessions 1^{st} is theoretical part & 2^{nd} is practical part. In the 1^{st} session the trainees was learnt about the basic principles of electricity & electric fitting (Home appliances). In the morning session, the total covered part is included the procedure of rewinding of (Cooler, madhani, fan, 0.5 H.P. to 5 H.P. electric motors).

In the second session the trainees are learnt about the working procedure & rewinding procedure of all electric motor i.e. cooler, fan, madhani, mono block & submersible motor. In the efforts of KVK, there are two rural youths setup self employment in their villages & the details are following:-

Outcome - Mr. Vishal Kumar s/o sh. Rati Ram R/o Qutubpur Mohla-Rewari, is trainded by KVK Scientists & set up his shop at nearest place of resident & starts basic electric works & motor rewinding at small level. Now he earned Rs. 25000-30000/- per month.

Another trainee Mr. Rajbir s/o sh. Karan Singh, R/o vill-Dhakora (Rewari) attended the training programme and set up self employment of rewinding of all electric as well as electric fitting works at his village. On the efforts of KVK & his hard work, how he worked on block level & trained the other rural youths. Now he earned Rs. 25000/- per month through self employment. In future he wants to start his business at distt. Level & set up shop in Rewari city.

Impact - Every year Krishi Vigyan Kendra organized vocational training programmes on electric motor rewinding since 2011 and a numbers of trainees attended these programmes and benefitted. Some of them i.e. Mr Hitesh Kumar, Mr. Manoj Kumar and Mr. Narottam have started their own business at small scale level in village and earning income from their business. They are well trained to operate various works viz; electrical fitting, basic electric works of home, repairing of cooler, madhani, fans etc.

TITLE - Self employment for rural youth s and farmers through Mushroom Production Technology

Introduction -

This vocational training organized to empowerment for rural youths & farmers. Today landholding decreasing day by day. Therefore, integrated farming need of present scenario. Mushroom production unit is an useful enterprise.

KVK Intervention –

Krishi Vigyan Kendra started one week vocational training programme on Mushroom Production technology, every year from five years.

Approach -

KVK Rampura Rewari organized this training programme every year and emphasis on production technology of Mushroom during the training period course cover on Mushroom Production i.e. compost making spawning, cosing preparing, construction of Mushroom houses & management etc. in detail.

Impact -

About 113 rural youths have been trained in last 4 year (2016-17 to 2020-21). After training 30 trainees start Mushroom production unit of own village after training. He entered in this profession of Mushroom Production under guidance of KVK during 2016-17. He established a Mushroom house size (60*22*12 feet) and started Mushroom Production in 1000 poly bags with investment of Rs. 135000and got net profit Rs. 51000 from sale of Mushroom and waste (5000*9) 400000 in just four months during 2016-17.

During 2017-18 he enhanced the unit size of 2000 bags in two same size Mushroom houses with and invest of 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. 213000 with an investment Rs. 37500.

During 2019-20 he established pasteurized compost making unit at his farm by government help under KVK guidance and supplied compost and got net profit Rs. 150000 with investment of Rs.250000 (5000 bags) in row material, spawn & cosing soil.

Now during 2020-21 he supplied 1000 qt compost 10000 (bags) got net profit Rs. 300000 with investment of Rs. 500000/- in raw material. Spawn & cosing soil through pasteurized compost making unit.

XIII. STATUS REVOLVING FUNDS

Year	Opening balance as on 1 st April	Income during the year	Expenditure during the year	Net balance in hand as on 1 st April of each year
January 2019 to December 2019	47,43,462.00	3,15,720.12	Nil	50,59,182.12
January 2020 to December 2020	50,59,182.12	2,29,676.37	NIL	52,88,858.49
January 2021 to December 2021	52,88,858.49	3,25,467.17	5.60	56,14,320.06

4. Feedback System

4.1. Feedback of the Farmers to KVK

Name of	Feedback					
KVK	Technology appropriations	Methodology used	Benefits of OFT/FLD	Future Adoption		
Rewari	Nutrient management in cotton	i)Group discussion ii) Impact study iii) PRA	Increase in yield	Followed		
	Micro nutrient management in Wheat	-do-	Increase in yield	Followed		
	Assessment of different seed rate of Chickpea	-do-	Increase in yield	Followed		
	Management of shoot & fruit borer in brinjal crops	-do-	Increase in yield and reduction in pest	Followed		
	Assessment of mulching technology in tomato cultivation	-do-	Increase in yield and reduction in cost of	Followed		
	Performance of different tillage practices in Bajra cultivation	-do-	Increase in yield and reduction in cost of	Followed		

4.2. Feedback from KVK to Research System.:

Name of KVK	Feedback from OFT on technology tested		
Rewari	Increased yield was notice at 60kg/ha seed rate in gram which is higher than recommended dose Three spray of cypermethrin for management of shoot and fruit borer inringal increase the yield of crop by 33%		
	Plasting mulching found effective for enhancing the yield of tomato Soil application of zinc sulphate and foliar application of iron sulphate was found quite effective for increase in yield of wheat		

4.3. Documentation of the need assessment conducted by the KVK for the training programme

Name of KVK	Category of the training	Methods of need assessment	Date and place	No. of participants involved
Rewari	Rural Youths	i)PRA technique ii)Bench mark survey iii) Group discussion iv) Analysis of survey data		30

The KVKs implementing VATICA, NARI & Doubling Farmers income should submit one page report with salient achievements along with photographs pertaining to year 2021.

Annual Report Format for 2021

Nutri Sensitive Agricultural Resource and Innovation (NARI) 2021

NARI programme is a comprehensive scheme for social, economical, nutritional security and skill development for empowerment of women. Under this programme several skill development training's like establishment of Poshan vatika for holistic nutritional security of the communities, value addition of seasonal fruits and vegetables and adoption of bio fortified crops etc. were carried out. Income generating activities like stitching of garment, tie and die, soap and candle making, dairy farming and vermin composting were also organized

Activities under NARI programme-

A-	FLD's			
Sr.	Title	No.	Date	No. of Participants
No.				
1	Nutri garden	225	10.3.2021 & 14.9.2021	225

B-Tı	B-Training's					
Sr.	Title	Village	Date	No. of Participants		
No.						
1	Layout plant of Poshan vatika	Kharsanki	18.1.2021	25		
2	Layout plan of Kitchen garden	Akbarpur	10.3.2021	25		
3	Capacity development of Aaganwadi workers & farm women's through Poshan Vatica	Yadav nagar (Rewari)	20.4.2021	14		
4	Management of Nutri garden for SHGS.	Khuspura	3.5.2021	21		
5	Training programme on Poshan Vatica & Value addition	Yadav nagar (Rewari)	18.8.2021	20		
6	Empowerment of Farm women through Nutri garden	Khuspura	14.9.2021	23		
7	Establishment of Nutri garden	Khuspura	7.9.2021	27		
8	Establishment of nutria gardens	Kharsanki	21.10.2021	18		
9	Layout plan of nutria gardens for farmers and farm women	Akbarpur	22.10.2021	22		
10	Insect pest management Poshan Vatika	Kharsanki	15.11.2020	25		

1. Performance of various interventions carried out under NARI Scheme during January to December 2021

Note: Please submit one or two tables and half-page write up including bio fortified varieties used under NARI scheme.

- 2. Performance of Value Addition Technology Incubation Centre in Agriculture (please submit one page write-up in quantitative and qualitative forms).
- 3. Feedback need to be furnished
 - Feedback for policy makers
 - Feedback for researchers (Technology performance and future research as per demand of farming community of particular district)
 - Feedback for Development Department
 - Impact of most acceptable interventions/technologies
 - Doubling Farmers Income (one page write up with full justification)
 - Performance of Farmer Producer Organization (one page write up with scientific base and Cluster Based Business Organization)