

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 Assessed	No. of Trials	No. of Farmers
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

Name of KVK	Message Type	Type of Messages						Total
		Crop	Livestock	Weather	Marketing	Awareness	Other enterprise	
	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
	Office	FAX	
Krishi Vigyan Kendra, Rampura– Rewari, 123401 (Haryana)	01274-222401	--	bbakvkrr@gmail.com

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

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	jeetm7@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	anilyadav878@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	dilipkumarkvk@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

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

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
<i>AV aids</i>			
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
<i>Office Equipment</i>			
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
<i>Farm equipments</i>			
Cultivator	1990	7,500/-	Good
Thresher	2001	50,000/-	Good
ZT machine	2012	47,500/-	Good

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

Sl.No.	Date	Name and Designation of Participants	Salient Recommendations	Action taken
1.	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	To conduct CFLD on newly developed gram variety HC-7	To be taken
		Dr. Dharambir Yadav Regional Director, Regional Research Station, CCS,HAU, Bawal (Distt.-Rewari)	To conduct Front Line Demonstration on sowing of wheat Zero till drill	
		Dr. Devender Kumar Rep. Deputy Director Agriculture, Rewari	To discourage rice cultivation	
		Dr. Satbir Sharma District Horticulture Officer, Rewari	Organisation of training and awareness programme on promotion of horticultural crops	
		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)	<p>Climate: The district falls under hot and semi-arid climatic zone with extremes of temperature (2.0°C-47°C) in months of December & January are of severe cold and the months of May & June are of bitter summer. Because of the touch of Rajasthan this district faces dusty storms in summer season.. Average rainfall was 300-500 mm.</p> <p>Soil Type: The Soil texture of the district varies from sandy to loamy sand. The district has around 90.00% soils under loamy-sand texture. Being coarse textured the soils are poor in water as well as in nutrient retention. In the district, 99% soils are low in organic carbon, whereas 50.8% soils are low in P, but 90 % soils are in medium to high category of K. The soils are also deficient in S and micro-nutrients Zn and Fe to the extent of 30, 70 and 10 % respectively.</p>
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 bajra-mustard.
B.	AES – II (Comprising Bawal, Khol and Rewari Block)	The soils are sandy to loamy sand having moderate tube-well irrigation. The soils are low in N, medium to high in P&K and low to high in Zn, Fe and S etc. The main cropping system is Bajra-wheat, Guar-Wheat and Guar-Mustard.

2.3 Soil type

S. No	Soil type	Characteristics	Area in ha
1.	Loamy sand	The soils are loamy-sand soil having restricted tube-well water irrigation pH ranging from 8-10 with poor quality of irrigation water. The soils are generally low in N, low to medium in P&K and low to medium in Zn & Fe etc. the main cropping systems are Bajra-wheat and bajra-mustard.	108000
2.	Sandy loam	The soils are sandy to loamy sand having moderate tube-well irrigation. The soils are low in N, medium to high in P&K and low to high in Zn, Fe and S etc. The main cropping system is Bajra-wheat, Guar-Wheat and Guar-Mustard.	43000

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

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

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

2.7 Details of Operational area / Villages (2021)

Sl. No.	Taluk	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	<ul style="list-style-type: none"> Unbalanced use of fertilizer & high doses of pesticides, problematic soil & water 	ICM, IPM, INM according to soil test bases
2		Rewari	Nikhri, Rasgan, Dungarwas, Khatawali, Khaliyawas	Bajra, guar, mustard, wheat, dairying, ber, okra, bottle guard	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Unbalanced use of fertilizer & high doses of pesticides, problematic soil & water 	<ul style="list-style-type: none"> ICM, IPM, INM according to soil test bases

2.8 Priority/thrust areas

Crop/Enterprise	Thrust area
Mustard	<ul style="list-style-type: none"> • Integrated pest management (IPM) • Integrated Nutrient Management (INM) • Weed management
Wheat	<ul style="list-style-type: none"> • Seed treatment • Weed management • High yielding varieties
Bajra	<ul style="list-style-type: none"> • Integrated Nutrient Management (INM) • Gap filling • Weed management
Moong	<ul style="list-style-type: none"> • Seed treatment • High yielding varieties • Weed management
Guar	<ul style="list-style-type: none"> • Integrated disease management (IDM) • Weed management
Cucurbits	<ul style="list-style-type: none"> • High yielding varieties • Seedling raising and early cultivation • Poly tunnel cultivation • Integrated pest management (IPM)
Onion	<ul style="list-style-type: none"> • High yielding varieties • Nursery raising and transplanting • Onion thrips and purple blotch management
Brinjal	<ul style="list-style-type: none"> • High yielding varieties • Nursery raising and transplanting • Integrated disease management (IDM) • Fruit and shoot borer management
Tomato	<ul style="list-style-type: none"> • High yielding varieties • Integrated Nutrient Management (INM) • Integrated disease management (IDM)
Okra	<ul style="list-style-type: none"> • Mosaic resistant high yielding varieties • Sowing time and method • Fruit borer management
Ber	<ul style="list-style-type: none"> • Powdery mildew management • Fruit fly management
Aonla	<ul style="list-style-type: none"> • Integrated Nutrient Management (INM) • Value addition
Guava	<ul style="list-style-type: none"> • Integrated Nutrient Management (INM) • Fruit fly management
Citrus fruits	<ul style="list-style-type: none"> • Integrated Nutrient Management (INM) • Fruit drops and splitting management • Integrated disease management (IDM)
Marigold	<ul style="list-style-type: none"> • High yielding varieties • Nursery raising and transplanting • Seed production
Dairy farming	<ul style="list-style-type: none"> • Dairy farming
Poultry farming	<ul style="list-style-type: none"> • Poultry farming
Agricultural Engineering	<ul style="list-style-type: none"> • Recourse conservation technology • Post harvest technology • Drip and sprinkler irrigation system
Agricultural Extension	<ul style="list-style-type: none"> • Formation of SHG and farmers' club • Capacity building • ICT and its application
Home Science	<ul style="list-style-type: none"> • 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 (Technology Assessment)				FLD (Oilseeds, Pulses, Cotton, Other Crops/Enterprises)			
1				2			
Number of OFTs		Total no. of Trials		Area in ha		Number of Farmers	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
06	06	60	60	191.2	191.2	439	439

Training (including sponsored, vocational and other trainings carried under Rainwater Harvesting Unit)					Extension Activities			
3					4			
Number of Courses			Number of Participants		Number of activities		Number of participants	
Clientele	Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
Farmers	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	Achievement	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
	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	Tomato	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

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 optimum plant 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	--	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.

<i>Technology Option</i>	<i>No. of trials</i>	<i>Plant height (cm)</i>	<i>No. of effective tiller/ plant</i>	<i>Spike length (cm)</i>	<i>No. of spikelet /Spike</i>	<i>Grain Yield (qt./ha)</i>	<i>Straw yield (qt./ha)</i>	<i>Net Return(Rs ./ha)</i>	<i>Increase in Yield (%)</i>	<i>B:C Ratio</i>
T ₁ <i>No application of Zinc sulphate and Ferrous sulphate (Farmers Practice)</i>	10	86.5	5.8	12.6	18.56	50.8	56.4	65667	--	2.35
T ₂ <i>ZnSO₄ @ 25kg/ha. & Ferrous sulphate @ 0.5% foliar application (Recommended Practice)</i>		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)	10	108.0	26.0	3.78	57996	17.35	--	2.34
T ₂ Two foliar application of 1.0% Potassium Nitrate (flowering & Boll formation stage) (Recommended Practice, CCSHAU)		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)	10	85.9	60.8	32.4	25.0	166250	3.83
Plastic mulching @ 25 micron sheet (Recommended Practice by CCSHAU)		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)	10	120.2	25.4	6.9	2.5	47643	2.69
Land prepared by reversible MB plough (Recommended Practice by CCSHAU)		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 spread of technology		
					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.**)

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1	Mustard	ICM	Varietal, Seed treatment, Nutrient management, Weed management & insect-pest management	Rabi-2020-21	96	96	20	194	214	No
2	Gram	ICM	Varietal, Seed treatment, Nutrient management, Weed management & insect-pest management	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, Nutrient management, Weed management & insect-pest management	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 (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
Muastard	Rabi	Irrigated	Sandy loam / Loamy Sand	L	M	M	Bajra	15-22 Oct	Last March	77.80	12
Gram	Rabi	Irrigated	Sandy loam / Loamy Sand	L	M	M	Bajra	18-26 Oct.	1st week of April	77.80	12
Barley	Rabi	Irrigated	Sandy loam / Loamy Sand	L	M	M	Bajra	1-7 Nov.	1st week of March	77.80	12
S.Moong	Summer	Irrigated		L	M	M	Mustard	26-31 March	18-26 June	148.70	16
Sesame	Kharif	Irrigated	Sandy loam / Lomy Sand	L	M	M	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	--	--	--	--

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

** BCR= GROSS RETURN/GROSS COST

Frontline demonstration on pulse crops

Crop	Thematic Area	technology demonstrated	Variety	No. of Farmers	Area (ha)	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
						Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
						High	Low	Average										
Pigeonpea	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Blackgram	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Greengram	ICM	Varietal,Seed treatment,Nutrient management,Weed management &insect-pest management	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
			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
									SML-668									
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Chickpea	ICM	Varietal,Seed treatment,Nutrient management,Weed management &insect-pest management	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
			CSJ-515	4	2.8	14.50	13.0	13.75	11.0	25.0	33644	70125	36481	2.08	29741	56100	26359	1.89
									HC-1									
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Fieldpea	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Horsegram	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

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

** BCR= GROSS RETURN/GROSS COST

FLD on Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No.of Units (Animal/ Poultry/ Birds, etc)	Major parameters		% change in major parameter	Other parameter		Economics of demonstration (Rs.)				Economics of check (Rs.)					
					Demo	Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)		
Cattle	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Buffalo	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Buffalo Calf	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Poultry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Sheep & Goat	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

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

Crop	technology demonstrated	Hybrid Variety	No. of Farmers	Area (ha)	Yield (q/ha)			Check	% Increase in yield	Economics of demonstration (Rs./ha)			
					Demo		Gross Cost			Gross Return	Net Return	BCR (R/C)	
					High	Low							Average
Oilseed crop	--	--	--	--	--	--	--	--	--	--	--	--	--
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Pulse crop	--	--	--	--	--	--	--	--	--	--	--	--	--
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Cereal crop	--	--	--	--	--	--	--	--	--	--	--	--	--
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Vegetable crop	--	--	--	--	--	--	--	--	--	--	--	--	--
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Fruit crop	--	--	--	--	--	--	--	--	--	--	--	--	--
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Other (specify)	--	--	--	--	--	--	--	--	--	--	--	--	--
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Note : Remove the Enterprises/crops which have not been shown

III. Training Programme

Farmers' Training including sponsored training programmes (on campus)

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
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										
Training and Pruning	--	--	--	--	--	--	--	--	--	--
Layout and Management of Orchards	--	--	--	--	--	--	--	--	--	--
Cultivation of Fruit	--	--	--	--	--	--	--	--	--	--
Management of young plants/orchards	--	--	--	--	--	--	--	--	--	--
Rejuvenation of old orchards	--	--	--	--	--	--	--	--	--	--
Export potential fruits	--	--	--	--	--	--	--	--	--	--
Micro irrigation systems of orchards	--	--	--	--	--	--	--	--	--	--
Plant propagation techniques	--	--	--	--	--	--	--	--	--	--
Others (pl specify)	--	--	--	--	--	--	--	--	--	--
Total (b)	--	--	--	--	--	--	--	--	--	--
c) Ornamental Plants										
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)	--	--	--	--	--	--	--	--	--	--
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										
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

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)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops	--	--	--	--	--	--	--	--	--	--
Training and pruning of orchards	--	--	--	--	--	--	--	--	--	--
Protected cultivation of vegetable crops	--	--	--	--	--	--	--	--	--	--
Commercial fruit production	--	--	--	--	--	--	--	--	--	--
Integrated farming	--	--	--	--	--	--	--	--	--	--
Seed production	--	--	--	--	--	--	--	--	--	--
Production of organic inputs	--	--	--	--	--	--	--	--	--	--
Planting material production	--	--	--	--	--	--	--	--	--	--
Vermi-culture	--	--	--	--	--	--	--	--	--	--
Mushroom Production	--	--	--	--	--	--	--	--	--	--
Bee-keeping	--	--	--	--	--	--	--	--	--	--
Sericulture	--	--	--	--	--	--	--	--	--	--
Repair and maintenance of farm machinery and implements	--	--	--	--	--	--	--	--	--	--
Value addition	--	--	--	--	--	--	--	--	--	--
Small scale processing	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)	--	--	--	--	--	--	--	--	--	--
TOTAL	01	08	0	08	03	0	03	11	0	11

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops	--	--	--	--	--	--	--	--	--	--
Training and pruning of orchards	--	--	--	--	--	--	--	--	--	--
Protected cultivation of vegetable crops	--	--	--	--	--	--	--	--	--	--
Commercial fruit production	--	--	--	--	--	--	--	--	--	--
Integrated farming	--	--	--	--	--	--	--	--	--	--
Seed production	--	--	--	--	--	--	--	--	--	--
Production of organic inputs	--	--	--	--	--	--	--	--	--	--
Planting material production	--	--	--	--	--	--	--	--	--	--
Vermi-culture	--	--	--	--	--	--	--	--	--	--
Mushroom Production	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	--	--	--	--	--	--	--	--	--	--
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)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops	--	--	--	--	--	--	--	--	--	--
Training and pruning of orchards	--	--	--	--	--	--	--	--	--	--
Protected cultivation of vegetable crops	--	--	--	--	--	--	--	--	--	--
Commercial fruit production	--	--	--	--	--	--	--	--	--	--
Integrated farming	--	--	--	--	--	--	--	--	--	--
Seed production	--	--	--	--	--	--	--	--	--	--
Production of organic inputs	--	--	--	--	--	--	--	--	--	--
Planting material production	--	--	--	--	--	--	--	--	--	--
Vermi-culture	--	--	--	--	--	--	--	--	--	--
Mushroom Production	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)	--	--	--	--	--	--	--	--	--	--
TOTAL	02	22	0	22	05	0	05	27	0	27

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops	--	--	--	--	--	--	--	--	--	--
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

Table. Sponsored training programmes

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop production and management										
Increasing production and productivity of crops	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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop production and management	--	--	--	--	--	--	--	--	--	--
Commercial floriculture	--	--	--	--	--	--	--	--	--	--
Commercial fruit production	--	--	--	--	--	--	--	--	--	--
Commercial vegetable production	--	--	--	--	--	--	--	--	--	--
Integrated crop management	--	--	--	--	--	--	--	--	--	--
Organic farming	--	--	--	--	--	--	--	--	--	--
Others (pl. specify)	--	--	--	--	--	--	--	--	--	--
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 farm machinery and implements	01	11	0	11	03	0	03	14	0	14
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.	--	--	--	--	--	--	--	--	--	--
Agril. para-workers, para-vet training	--	--	--	--	--	--	--	--	--	--
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 Extension Personnel	TOTAL
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	Number
Electronic Media (CD./DVD)	--
Extension Literature	15
News paper coverage	36
Popular articles	12
Radio Talks	--
TV Talks	03
Animal health camps (Number of animals treated)	--
Others (pl. specify)	--
Total	66

Name of KVK	Message Type	Type of Messages						Total
		Crop	Livestock	Weather	Marketing	Awareness	Other enterprise	
Rewari	Text only	27	--	--	--	21	12	60
	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

Crop	Name of the crop	Name of the variety	Name of the hybrid	Number	Value (Rs.)	Number of farmers
Commercial	--	--	--	--	--	--
	--	--	--	--	--	--
	--	--	--	--	--	--
Vegetable seedlings	Brinjal	--	--	22640	11320	--
	Chilli	--	--	1200	600	--
	Tomato	--	--	3780	1890	--
	Cauliflower	--	--	4600	2300	--
		--	--			--
Fruits	Aonla	--	--	317	3170	--
		--	--			--
		--	--			--
Ornamental plants	Marigold	--	--	2100	1050	02
	--	--	--	--	--	--
	--	--	--	--	--	--
Medicinal and Aromatic	--	--	--	--	--	--
	--	--	--	--	--	--
	--	--	--	--	--	--
Plantation	--	--	--	--	--	--
	--	--	--	--	--	--
	--	--	--	--	--	--
Spices	--	--	--	--	--	--
	--	--	--	--	--	--
	--	--	--	--	--	--
Tuber	--	--	--	--	--	--
	--	--	--	--	--	--
	--	--	--	--	--	--
Fodder crop saplings	--	--	--	--	--	--
	--	--	--	--	--	--
	--	--	--	--	--	--
Forest Species	--	--	--	--	--	--
	--	--	--	--	--	--
	--	--	--	--	--	--
Others	--	--	--	--	--	--
	--	--	--	--	--	--
	--	--	--	--	--	--
Total	--	--	--	34637	20330	02

Production of Bio-Products

Bio Products	Name of the bio-product	Quantity	Value (Rs.)	No. of Farmers
		Kg		
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

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

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

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

Name of the KVK – 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 Vermicompost unit. They got success this time and accepted Vermicompost as a Self Employment.

Uptake: - Mr. Chhatarpal has not only made a good source of his income by adopting vermicompost 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 vermicompost business to large scale.

Benefit: - Mr. Chhatarpal took a production of 380 quintals of vermicompost 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 vermicompost and Rs. 400 per kg earthworm in the year 2018-19. In the year 2019-20, 750 quintals vermicompost 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 vermicompost and Rs. 400 per kg earthworm. Similarly, in the year 2020-21, 1680 quintals vermicompost 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 vermicompost 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 vermicompost 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 1st is theoretical part & 2nd is practical part. In the 1st 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 trained 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 youths 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. 135000 and 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 KVK	Feedback			
	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 infestation	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	<p>Increased yield was notice at 60kg/ha seed rate in gram which is higher than recommended dose</p> <p>Three spray of cypermethrin for management of shoot and fruit borer inringal increase the yield of crop by 33%</p> <p>Plasting mulching found effective for enhancing the yield of tomato</p> <p>Soil application of zinc sulphate and foliar application of iron sulphate was found quite effective for increase in yield of wheat</p>

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. No.	Title	No.	Date	No. of Participants
1	Nutri garden	225	10.3.2021 & 14.9.2021	225

B-Training's				
Sr. No.	Title	Village	Date	No. of Participants
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)