CCS HARYANA AGRICULTURAL UNIVERSITY, HISAR
KVK, FARIDABAD

ANNUAL REPORT (January-2022-December-2022)

CHAPTER –I

INFORMATION ABOUT THE KVK

1. General Information About The KVK

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

Address: KVK- Bhopani, P.O. Bhaskola
Distt. - Faridabad, Haryana – 121 002
Telephone:(O) 01292202332
E mail:kvkfaridabad@gmail.com

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

Address: CCSHAU, Hisar**Telephone:** (O) 01662284320 **FAX :01662232613**
Distt. - Hisar, Haryana – 125 004 **E mail:** vc@hau.ac.in,regi@hau.ac.in, doe@hau.ac.in

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

Name: Dr. V.P.S. Yadav, Programme Coordinator
CC HAUKVK Bhopani, Faridabad, P.O. Bhaskola,
Distt. Faridabad, Haryana-121002

Telephone / Contact

Residence:9053068352
Mobile:9053068352
Email: kvkfaridabad@gmail.com

1.4. Year of sanction:1992

1.5. Staff Position (as on 31st December, 2022)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	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. V.P.S. Yadav	Sr.Coordinator	Extension Education	Level - 14 Cell- 8	Rs. 199600	30.01.1993	Permanent	General	9871100227 9053068352 (o)	54	vpsyadav7269@gmail.com
2	Subject Matter Specialist	Dr. R.B. Gupta	Principal Extension Specialist (Hort.)	Horticulture	Level - 14 Cell - 9	Rs. 218200	21.09.2001	Permanent	General	9711715735	58	rbgupta14@gmail.com
3	Subject Matter Specialist	Dr. Rajender Kumar	Principal Extension Specialist (Agron.)	Agronomy	Level - 14 Cell - 8	Rs. 211800	07.06.1994	Permanent	SC	9416560129	56	delhorerk@yahoo.com
4	Subject Matter Specialist	Dr. A.K. Deswal	Principal Extension Specialist (A.F.)	Agro - forestry	Level -14 Cell - 8	Rs. 1,88,200	23.01.1999	Permanent	General	9313607372	55	deshwalak@gmail.com
5	Subject Matter Specialist	Dr. Varsha Rani	District Extension Specialist (Home Science)	Home Science	Level - 8 Cell - 9	Rs. 101100	09.02.2021	Permanent	General	8396074989	42	varshadangi@hau.ac.in
6	Subject Matter Specialist	Dr. Vinod Kumar	District Extension Specialist (Agron.)	Agronomy	Level - 8 Cell - 8	RS.95300	29.11.2020	Permanent	General	9416729267	43	vndmohan@gmail.com
7	Subject Matter Specialist	Vacant	-	-	-	-	-	-	-	-	-	-
8	Programme Assistant	Dr. J. .N. Yadav	Training Assistant	Agricultural Economics	Level - 6	Rs.49000	29.05.2012	Permanent	General	9773538385	47	-
9	Computer Programmer	Vacant	-	-	-		-	-	-	-	-	-
10	Farm Manager	Dr. Bhupender Singh	T.A.Farm	Horticulture	Level - 6	Rs. 72100	12.12.2022	Permanent	General	9416348078	44	-
11	Accountant / Superintendent	BhupenderSheokand	Assistant	-	Level - 6	Rs. 46200	17.02.2021	Permanent	General	9467400744	44	Bhupendersheokand 7583@gmail.com
12	Stenographer	Sahil Narula	JSS	-	Level - 4	Rs. 25500	01.01.2022	Permanent	General	7027720288	25	-
13	Driver	Vinod Goyat	Jeep Driver	12th	ACPL - 6	Rs. 36200	20.06.2023	Permanent	General	9992687000	37	-
14	Driver	Sh. Nand Kishor	Tractor Driver	10th	ACPL - 6	Rs 50300	1.10.2003	Permanent	General	8901519925	55	-
15	Supporting staff	Sh. Mool Chand	Watchman	10 th	ACPL - 6	Rs. 34300	01.02.1996	Permanent	General	9466175032	58	-
16	Supporting staff	Vacant	-	-	-	-	-	-	-	-	-	-

1.6. Total land with KVK (in ha) : 7.7

KVK Faridabad has under building 1.6 ha,under crops 3.8 ha, 2.2 ha under orchard of Guava,Ber,Lemom , Aonla and Neem plantation under agroforestry ans 0.1 ha under pond and demonstrations unit of vermicompost and green house.

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Year	Plinth area (Sq.m)	Expenditure (Rs.)	Starting year	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	April, 1997	475	20,97,000	-	-	-
2.	Demonstration Units (2)	ICAR	-	-	-	-	-	-
3	Fencing	ICAR	April, 1997	1311 (m)	1,58,000	-	-	-
4	Threshing floor	ICAR	April,1997	Included in Admn. building	Included in 20,97,000	-	-	-
5	Coference Hall	ICAR	July, 2002	213	15,75,000	–	–	–
6	Soil Testing laboratory	ICAR	Feb, 2007	84.07	3,20,000	-	-	-

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Tractor (MF–245)	1994	2,16,296	-	The tractor has been condemned by the University Condemnation Committee and the auction permission is awaited from office of Director, ATARI, Jodhpur.
Tractor (New Holland 3630)	2019	659451	279hrs	Good
TractorSonalika	2019	299628	11hrs	Good
Jeep(Mahindra Bolero SLR)	2019	786000	32180	Good

Equipments& AV Aids: Necessary equipments are in working and good conditions.

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Sewing machine	25.03.2013	7300	Good
Spanco Seed-cum –Fertilizer drill	31.03.2013	6024.00	Good
Falcon Premium Electric lawn mover	31.03.2013	7475.00	Good
Falcon Premium folding ladder	31.03.2013	7475.00	Good
Aspee ASMJ-779 Sprayer	31.03.2013	17850.00	Good
Falcon P Garden Hoe	15.04.2013	1100	Good
FPMA Long Reach Prunear	15.04.2013	2463	Good
Egg Beater	28.06.2013	1580	Good
O.T.G.	28.06.2013	6120	Good
Sewing machine	29.03.2014	7350	Good

Drip Irrigation System	24.01.2014	80279	Good
Soil testing Mini Lab with Solar Panel	31.03.2016	75000	Good
Reagent Refilling Kit for ridaparishak Mini Lab	31.03.2016	14175	Good
GPS System.	31.03.2016	35800	Good
MaridaParikshan Soil Testing Mini Lab. Kit.	31.03.2017	90300	Good
Tractor Operator Power Sprayer	10.09.2020	1,10,000	Good
Happy Seeder	14.09.2020	95,000	Good
SolarPump Set 5 HPOpen Well System	24.09.2020	4,10,000	Good
Post Hole Digger with 18”Auger(single)	28.09.2020	60,000	Good
Laser Land Leveller	28.09.2020	2,75,000	Good
MulcherSingle Sprayer	28.09.2020	1,19,999	Good
Survilance Camera	12.03.2021	47340	Good
Computer Desktop	20.03.21	51000	Good
HP LED Monitor	20.03.2021	11500	Good
UPS Microtech	22.03.2021	4745	Good
Smart LED TV	23.03.2021	41999	Good
3 HP computer System	26.03.2021	173670	Good
2 WD Portable Hard Disk	30.03.2021	6300	Good

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

The SAC Meeting of KVK Faridabad was held under the Chairmanship of Dr. Balwan Singh Mandal, Director Extension Education, CCSHAU, Hisar. On 21.07.2023 at KVK Faridabad premises and 23 participants attended the meeting.

CHAPTER –II

DISTRICT AGRICULTURE AND OTHERS INFORMATION

2. DETAILS OF DISTRICT (2022)

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

1. Irrigated (Borewell):
Mixed Farming (Cultivation of Paddy, wheat, sugarcane, raya, flower, vegetables, sorghum for fodder, orchard plantation, Mushroom cultivation & Agroforestry (Poplar and clonal eucalyptus plantation)
2.Irrigated (canal):
Mixed Farming (Cultivation of Paddy, Wheat, Sugarcane, Raya, Vegetables, sorghum for fodder, Orchard &Agro-forestry (poplar & clonal eucalyptus plantation).
3.Irrigated (Tank):
Orchard plantation, Protected cultivation of vegetables and flowers and Fishery.
4.Rainfed:
Dairy Farming

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

a) Soil type:

Agro-climatic Zone: North-West Plain Zone (NWPZ)

Characteristics: District Faridabad is considered to be the Industrial hub of Haryana State and it extends between 27^0 52' – 28^0 23' N latitude and 77^0 06' – 77^0 32' longitude in the South – East of the Haryana State. District Faridabad is bounded by the Union Territory of Delhi in the North, by the state of Uttar Pradesh in the North – East, East and South – East and by the district of Gurgaon in the West. It is located in the southern part of Haryana with a perennial river, Yamuna, on its East. For administrative purposes, this district is divided into 2 sub-divisions, 2 Revenue Tehsils and 2 Blocks (Ballabgarh, Faridabad). The district consists of 192 villages with the geographical area of 742.90 sqkm. The density of population in the district is 1838 persons per sq. km. with a total population of 17,98,954 persons. The total cultivable area is 37629 ha and total cultivated area is 36642 ha. The net irrigated area in the district is 35267 ha.

Soil Type: The soils of the district are light to medium in texture particularly sandy loam, sandy, loam , salt affected and water logged soils.

Climate: The district falls under the semi – arid climatic zone with extremes of temperature (2.5^0C - 46.2^0C) in winter and summer. Average rainfall of Faridabad district is 450 -500 mm.

b) Topography:

Agro ecological situation: Northern Plain (And Central Highlands) In (4.1) (ICAR)

Characteristics: The district has varied topography comprising Arravali hills, valleys, undulating lands, alluvial plains. Underground water is the main source of the irrigation by tubwells. The Neem, Shisham is the main naturally occurring trees. The nutrient status of the soil is poor.

2.3 Soil Types

S. No.	Soil type	Characteristics	Area in ha
1	Sandy Loam	Low in N and Zn, medium in P&K	25000
2	Loam	Low in N, medium in P, K, Zn	4000
3	Sandy	Low in N, P, Zn and S, medium in K & water holding capacity is less	2500
4	Alkaline/ Sodic	Ece< 4 mmhos/cm ,ph< 8.5 and ESP > 15	1000
5	Water Logged	Submerged for > 9 months	135

2.4. Area, Production and Productivity of major crops cultivated in the district (2022)

S. No	Crop	Area (ha)	Production (MT.)	Productivity (Qt./ha)
1	Wheat	28600	112000	39.16
2	Summer moong	132	-	-
3	Rabi Oilseeds (Rapeseed and Mustard)	1800	3600	19.78
4	Paddy	14900	49570	33.27
5	Bajra	4700	7800	16.49
6	Jowar (Fodder)	1700	5270	5.27
7	Cotton	700	2100	505 (Bales)

8	Fruits	550.9	21209	-
9	Vegetable crops	6507	102912	-
10	Floriculture	140	1340 2765000(No. of stics)	-
11	Forest	7900	-	-

Source: Department of Agriculture & Farmers Welfare, Faridabad, Govt. of Haryana. (2022)

2.5. Weather data (2022)

Month	Rainfall (mm)	Temperature 0 C	
		Maximum	Minimum
January	22.3	24.0	2.0
February	0.8	28.0	5.0
March	13.9	33.0	10.0
April	0	40.0	14.0
May	1.9	46.0	20.0
June	9.5	42.0	22.0
July	115.9	42.0	21.0
August	149.4	38.0	24.0
September	262.6	38.0	22.0
October	57.1	36.0	13.0
November	0	32.0	6.0
December	0	29.0	3.0

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

Livestock Population in district is **1,57,088**

Source: Statistical ReportDistt. Faridabad, Govt of Haryana (2021-22).

2.7 Details of Operational area / Villages

Sl. No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1.	Faridabad	Faridabad	1.Tajupur	Wheat, Paddy, Jowar, Bajra, Dhaincha, Cucumber, Tomato, Bottlegourd, Bhindi, Guava, Ber, Dairying, Sanitation	• Imbalance use of fertilizers.	**i.** Integrated Nutrient Management.
						ii. Application of gypsum in oilseeds crops.
						iii. Application of phosphatic fertilizers in pulse crops.
			2. Badarpur Said 3.Chirsi	Wheat, Paddy, Raya, Dhaincha, Dairying, Guava, Ber, Cauliflower, Spinach, Cucumber, Bottlegourd, Ridgegourd, Tomato, Bhindi , Potato.	• Use of non descriptive varieties	**i.** Use of newly released yielding varieties
					• Poor soil and water management .	**i.** Irrigation Management and Integrated Nutrient Management.
						ii. Green manuring
						iii. Management of marginal lands.
						iv. Proper management of crop residues
2.	Faridabad	Ballabgarh			• Indiscriminate use of pesticides.	**i.** Judicious use of pesticides.

			1.Chandpur	Wheat, Paddy, Raya, Dhaincha, Dairying, Guava, Ber, Cauliflower, Spinach, Cucumber, Bottlegourd, Ridgegourd, Tomato, Bhindi, Potato	• Termite problem	**i.** Seed Treatment
					• Improper method of keeping of drinking water.	**i.** Use of Janta Water Filter
					• Nutritional Gardening.	**i.** Awareness campaign for Nutritional gardening.
			2.Bahadurpur	Wheat, Paddy, RayaDhaincha, Dairying, Guava, Ber, Cauliflower, Spinach, Cucumber, Bottlegourd, Ridgegourd, Tomato, Bhindi , Potato	• No fruit & vegetable preservation & processing	**i.** Trainings on fruit and vegetable preservation
						ii. Introduction of recipes with emphasis on green leafy vegetable and sprouted pulses.
					• Non doption of drudgery reduction technology	Trainings on drudgery reduction technology

2.8 Priority thrust areas

Crop / Enterprise	**Thrust area**
Paddy / Wheat/Raya/Summer moong/Sugarcane	I. Productivity enhancement in field crops. II. Integrated nutrient management (INM). III. Resource conservation.
Horticulture & Vegetable	I. Diversification in Agriculture through Horticulture mainly popularization of Flower and Vegetable cultivation in district Faridabad to get higher income by the farmers. II. Protected cultivation for vegetable crops. III. Popularization of Exotic vegetables cultivation. IV. Post Harvest technology & value addition of fruits & vegetables. V. Terrace Gardening. VI. Formation of Farmers Producers' organization.
Soil Health Improvement	I. Reclamation of salt affected soils through plantation of Agroforestry trees and cultivation ofsalt tolerant field crops. II. Green Manuring through Dhaincha and summer moong cultivation
Agro-forestry	I. Management of marginal lands through Agro - forestry plantationlike Shisham, Neem, Bakain, Safeda, Kikar. II. Integrated farming. III.Popularization of agroforestry.
Home Science.	I. Value addition of fruit and vegetables / Post harvest technology. II. Drudgery reducing technologies among farm women. III. Nutritional Gardening rural households. IV. Formation of SHGs/ Farmers Producers' organization V. Fabric Enrichment. VI. Rural crafts.
Extension Education	I. Capacity Building of farmer's/ farm women for Skill Development. II. Information networking among farmers. III. Group Dynamics and farmer's organization. IV. Capacity building for ICT application. V. Leadership development .

CHAPTER –III
CORE ACTIVITIES

3. TECHNICAL ACHIEVEMENTS

3.A. Details of target and achievements of mandatory activities by KVK during 2022

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
9	9	62	67	90	102	570	606

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
Farmer	120	168	4460	5097	477	491	6870	20099
Rural youth	08	09	240	270				
Extn. Functionaries	10	10	200	197				
Total	**138**	**187**	**4900**	**5564**	**477**	**491**	**6870**	**20099**

Seed Production (Qtl.)	**Planting material (Nos.)**
5	**6**
-	-

Feedback System

4.1. Feedback of the Farmers to KVK

Name of KVK	**Feedback**			
	Technology appropriations	**Methodology used**	**Benefits of OFT/FLD**	**Future Adoption**
KVK Faridabad	Response of Nano Urea in Paddy through OFT	Discussion,field visits	Beneficial to conserve soil,air and water.Reduction in cost of fertilizers.	More efforts are to be required for wider adoption
	Assessment of balanced use of fertilizers in Guava ((*Psidiumguajava)* Age of trees 12-14 years through	Discussion,field visits	The recommended dose of fertilizers proved to be useful for increasing yield and quality fruit and also tree health.	Accepted and in future will increased
	Assessment of efficacy of balanced use of fertilizers on yield and quality of Ber (***Ziziphus mauritiana)*** Age of trees 14-16 years	Discussion,field visits	The recommended dose of fertilizers proved to be useful for increasing yield and quality fruit and also tree health.	Accepted and in future will increased
	Assesment of wheat varieties under timely sown conditions through OFT	Discussion,field visits	Latest variety gave higher yield over old variety .	Farmers were satisfied with the performance of new viety
	Assesment of Biofortified wheat varieties under timely sown conditions	Discussion,field visits	Biofortified variety gave loweryieldthan non biofortified however provide more income	Farmers were satisfied with the performance of biofortified variety

	Perfomance of Clonal Eucalyptus at different spacing on boundary plantation through OFT	Discussion,field visits	The farmers aware about clonal eucalyptus and optimum spacing.	Accepted and clonal eucalyptus plantation will increased in future.
	Assessment of yield of wheat crop planted with poplar on field boundaries. (Age of trees: 6-7 years)	Discussion,field visits	The recommended seed rate proved to be useful for increasing yield of wheat with boundary plantation of poplar	Accepted and clonal eucalyptus plantation will increased in future.
	Assessment of effect on shelf life of mungbean(***Vigna radiata)*** by packaging with different	Discussion,field visits	The recommended seed rate proved to be useful for increasing yield of wheat with boundary plantation of poplar	Accepted and clonal eucalyptus plantation will increased in future.
	Integrated crop management in summer green gram through FLD	Discussion,field visits	**1**.No incidence of yellow mosaic was observed in var. MH-421 but reported in local check. **2.**More income and higher yield than old varieties.	Area under summer green gram cultivation will increased in near future.
	Integrated crop management in Mustard through FLD	Discussion,field visits	**1.**Incidence of Aphid was reported in mustard crop but managed effectively by application of recommended insecticide. **2**. Incidence of stem rot in raya remained low in demonstration plots in comparison to local check plots	Area under mustard may be increased in near future
	Varietal performance of timely sown wheat Var. WH-1105 v/s HD-2967 through FLD	Discussion,field visits	Variety WH-1105 performed better over HD-2967	Acreage under Variety WH-1105 may be increased in near future
	Varietal performance of timely sown wheat Var. HD3086-v/s WH-1105 through FLD	Discussion,field visits	Variety HD3086performed better over-WH-1105 and was resistant to yellow rust	Acreage under Variety HD3086may be increased in near future
	Varietal performance of late sown wheat Var. WH-1124 v/s WH-1021 through FLD	Discussion,field visits	Variety WH-1124performed better over WH-1021	Acreage under Variety WH-1124 may be increased in
	Varietal performance of paddyVar. Pusa-1718 v/s Pusa-1121 through FLD	Discussion,field visits	Variety Pusa-1718 performed better over Pusa-1121	Pusa-1718 Accepted by the farmers area will increased in future.
	Clonal eucalyptus perfomnce v/s seed raised eucalyptus through FLD	Discussion,field visits	Eucalyptus clone no. 413 performed better over seed raised eucalyptus	Area under clonal eucalyptus plantation will increased in water logged area of district Faridabad in future.
	Efficacy of pick bag for drudgery reduction	Discussion,field visits	Pick bag reduced tireness then traditional jholi and increased picking marigold/hrs	Accepeted by farm women and adoption will increase in future
	Kitchen gardening	Discussion,field visits		Highly accepetable and kitchen gardening will increased in future

4.2. Feedback from KVK to Research System.:

Name of KVK	Feedback from OFT on technology tested
KVK Faridabad	Eucalyptus growth at the boundary plantation of farm fields at a spacing of 3.0 meter from plant to plant in Faridabad district was observed markedly higher than at a spacing of 1.5 meter spacing and clonal eucalypyus growth is very good in district Faridabad.
	Good response of Nano Urea in Paddy was observed and also economical viable but comprehensiveresearch work is to be done so that farmers can get best alternate to costly chemical fertilizers.
	Many wheat variety are old varieties and yield is stagnant so there need to conduct more exprements on varietal performance of new varieties of wheat.
	Nutrient status of soil is decreasing day by day due to imbalance use of fertilizers so there need to conduct more exprements on bance use of fertilizers in Guava low application of urea, and no application of phosphorous

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
KVK Faridabad	Vocational training on Cutting and Tailoring	Interview and Group discussion	29.08.2022 Tigaon 31.08.2022 Lalpur, Chhainsa, Mohna	25 25
	Vocational training on Bakery	Interview and Group discussion	15.12.2022 Panehra Kalan, Badoli PanheraKhurd 16.12.2022 Dhauj,Alampur	30 15 25
	Vocational training on Fruit and Vegetable preservation	Interview and Group discussion	02.11.2022 Alampur, PanheraKhurd 28.11.2022 Atali, Arua 30.11.2022 Chhainsa	15 20 15
	Vocational training on Nursery raising	Interview and Group discussion	15.11.2022 Arua, Deeg 14.12.2022 Atali, Arua	30 30
	Vocational training on Spray Techniques	Interview and Group discussion	02.11.2022 Alampur, PanheraKhurd 28.11.2022 Atali, Arua 30.11.2022 Chhainsa	18 24 25
	Vocational training on Dairy Farming	Interview and Group discussion	15.11.2022 Arua, Deeg 14.12.2022 Atali, Arua	18 24 25

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	Paddy	Assessment of efficacy of Nano fertilizers in Paddy***(Oryza sativa)***	10	10

	Guava	Assessment of balanced use of fertilizers in Guava (*Psidiumguajava) Age* of trees 12-14 years	5	5
	Ber	Assessment of balanced use of fertilizers in Ber ((*Ziziphus mauritiana)*Age of trees 12-14 years	5	5
Varietal Performance	Wheat	Assesment of wheat *(*Triticum aestivum). varieties under timely sown conditions	5	5
		Assessment of bio-fortified wheat varitiesvarities under timely sown conditions	5	5
	Paddy	Assesment of short duration paddy varieties	5	5
Integrated Farming System	Eucalyptus	Assessment of growth of cloned eucalyptus planted at field boundaries	1	1
	Wheat +Poplar	Assessment of performance of wheat crop with boundary plantation of poplar (*Populusdeltoides*) Age of trees 7-8 years	1	1
Storage Technique	Greengram	Assessment of effect on shelf life of mungbean (***Vigna radiata)*** by packaging with different methods	30	30
Total			**67**	**67**

Summary of technologies assessed under livestock by KVKs: NIL

Summary of technologies assessed under various enterprises by KVKs: NIL

I.B. TECHNOLOGY ASSESSMENT IN DETAIL

INTEGRATED NUTRIENT MANAGEMENT
OFT No. – 1

Problem definition: Nutrient use efficiency of Urea is low normal Urea is Costly.

Technology Assessed: Assessment of efficacy of Nano fertilizers in Paddy (*Oryza sativa)*

KVK, Faridabad conducted on-farm trial to Assess Response of Nano Urea in Paddy. Result showed that useof 100 % N through Ureagave 45.0 q/ha, B:C ratio 2.53 and use of50 % N through Urea + 2 sprays of Nano Urea of IFFCO of 500 ml each gave 46.0 q/ha, B:C ratio 2.57. Use of 50 % N through Urea + 2 sprays of NanoUreagave2.2 % higher yield over100 % N through Urea.So Nano Urea can be used as substitute to Normal Urea where yield is almost at par in both treatments.

Table: Assessment of efficacy of Nano Urea in Paddy

Technology Option	*No.of trials*	*Yield (kg/ha)*	*Increase in yield (%)*	*Net Returns (Rs./ha)*	*B:C Ratio*
100 % N through Urea *(Farmers Practices)*	10	4500	-	82200	2.53
50 % N through Urea + 2 sprays of Nano Urea of IFFCO of 500 ml each		4600	2.2	86550	2.57

OFT No. -2

Problem definition: Low yield and poor quality of Guava.

***Major Cause of Problem:*Farmers are reluctant in application of recommended doses of manures and fertilizers and do not follow proper method of fertilizer application.**

Technology Assessed: Assessment of efficacy of balanced use of fertilizers on yield and quality of guava (Psidium guajava) Age of trees12-14 yearsAge of trees

Guava crop occupies highest area in the district Faridabad. Main cultivar grown are, Hisar Safeda, Hisar Surkha and L-49 and the orchards are of age between 10-20 years old. The growers are of the view that now they are not getting as much yield as in the age of 8-10 years. So after discussion with farmers we reached to a conclusion that nutrient status of soil is decreasing day by day due to low application of urea, and no application of phosphorous. So keeping in view the low nutrient status of soil orchards.KVK, Faridabad conducted On-Farm Trial to assess the performance of yield of trees having the age of 12-14 years through application of doses of Phosphorus, potassium and Zinc fertilizer. Result showed that the recommended dose of phosphorus along with other fertilizers gave 221 q/ ha yield whereas in case of farmers practice the yield was 192 q/ha. There was an increase of 15.01 per cent in yield where full

recommended dose of fertilizers was applied in the orchards of Guavava.B:C ratio of check trial was 1: 2.04 whereas the B:C ratio of recommended technology was 1:2.14

Table: Balance use of fertilizer in Guava ***(Psidium guajava)***

Technology Option	No.of trials	Yield (q/ha)	Increase in yield (%)	Net Returns (Rs./ha)	B:C Ratio
1.One kg urea + 500 gm DAP per tree/year. ***(Farmer's practice)***	5	192	-	246050	2.04
1.5 Kg Urea + 1.25 Kg SSP + 500 gram Potassium Sulphate+ 100 gram Zinc sulphate per tree/year **(***Recommended)*		221	15.01	336700	2.14

OFT No. -3

Problem definition: Low yield and poor quality of fruits.

***Major Cause of Problem:*Farmers are reluctant in application of recommended doses of manures and fertilizers and do not follow proper method of fertilizer application.**

Technology Assessed: Assessment of balanced use of fertilizers in Ber (*Zizyphusmauritiana)*

Age of trees 14-16 years

Ber crop occupies second highest area in the district Faridabad. Main cultivar grown are Umran, Gola and Kaithli and the orchards are of age between 10224 years old. The growers are of the view that now they are not getting as much yield as in the age of 8010 years. So after discussion with farmers we reached to a conclusion that nutrient status of soil is decreasing day by day due to low application of urea, FYM and no application of phosphorous. So, keeping in view, the low nutrient status of soil in berorchards, KVK, Faridabad conduction On-Farm Trial to assess the performance of yield of ber Cv. Umran of trees having the age of 14-16 years through application of doses of Phosphorus fertilizer., Result showed that the recommended dose of phosphorus along with other fertilizers gave 320 q/ha yield whereas in case of farmers practice the yield was 275 q/ha. There was an increase of 16.36 per cent in yield whereas in case of farmers practice the yield whereas in case of farmers practice the yield was 275 q/ha. There was an increase of 16.36 percent in yield where full recommended dose of fertilzers was applied in the orchards of Ber. B:C ration of check trial was 1:2.31 whereas the B:C ratio of recommended technology was 1:2.47

Table: Balance use of fertilizer in Ber

Technology Option	No.of trials	Yield (q/ha)	Increase in yield (%)	Net Returns (Rs./ha)	B:C Ratio
1.FYM 20 kg and Urea - 1 Kg per tree ***(Farmer's practice)***	5	275	-	237495	2.31
FYM-50 kg, Urea- 1.25 kg & SSP- 2.5 kg per tree **(*Recommended)***		320	16.36	310750	2.47

OFT No. -4

VARIETAL PERFORMANCE

***Problem definition:* Low yield of existing wheat varities.**

***Technology Assessed:* Assesment of wheat varieties under timely sown conditions**

KVK, Faridabad conducted on-farm trial to Assess yield performance of wheat varieties under timely sownconditions. Result showed that wheat variety HD - 3226 gave 48.2 q/ha, B:C ratio 3.14 and wheat variety WH-1105 gave 44.3 q/ha, B:C ratio 2.93. Percent increase in yield was 8.8 % over control.

Table: Assesment of wheat varieties under timely sown conditions

Technology Option	*No.of trials*	*Yield (kg/ha)*	*Increase in yield (%)*	*Net Returns (Rs./ha)*	*B:C Ratio*
T1- WH-1105 *(Farmers Practices)*	5	4430	-	72014	2.93
T2- HD-3226 (*Recommended)*		4820	8.8	79873	3.14

OFT No. – 5

Problem definition: **Farmers are less aware about Biofortified wheat varities.**

Technology Assessed: **Assesment of Biofortified wheat varities under timely sown conditions.**

KVK, Faridabad conducted on-farm trial to Assess yield performance ofBiofortified wheat varieties under timely sownconditions. Result showed that wheat variety HD-3298 gave 48.7 q/ha, B:C ratio 3.40and wheat varietyHD-3086gave 46.3 q/ha, B:C ratio 3.04. Percent increase in yield was -7.77 % over control.

Table: Assesment of Biofortified wheat varitiestimely sown conditions.

Technology Option	*No.of trials*	*Yield (kg/ha)*	*Increase in yield (%)*	*Net Returns (Rs./ha)*	*B:C Ratio*
T1- HD-3086*(Farmers Practices)*	5	46.3	-	76044	3.04
T2- HD-3298 (Biofortified) (*Recommended)*		42.7	-7.77	89500	3.40

OFT No. -6

Problem definition: **excess water requirement of long duration paddyvarities and depleting water table.**

Technology Assessed: **Assesment of short duration paddyvarieties.**

KVK, Faridabad conducted on-farm trial to Assess yield performance of short duration paddy varieties. Result showed that short duration paddy variety PB 1692gave 52.0 q/ha, B:C ratio 3.78and short duration paddy variety PB1509 gave 49.0 q/ha, B:C ratio 3.41. Percent increase in yield was 6.12 % over control.

Table: Assesment of short duration paddy varieties

Technology Option	*No.of trials*	*Yield (kg/ha)*	*Increase in yield (%)*	*Net Returns (Rs./ha)*	*B:C Ratio*
T1- PB 1509*(Farmers Practices)*	5	4900	-	112550	3.41
T2- PB 1692 (*Recommended)*		5200	6.12	130100	3.78

INTEGRATED FARMING SYSTEM

OFT No. -7

Problem definition: Lower income from eucalyptus planted at close spacing and growth variation in eucalyptus growth.

Technology Assessed: Assessment of growth of cloned eucalyptus planted at field boundaries.

Eucalyptus is one of main agro-forestry plants for plantation under agroforestry in District Faridabad. It is cultivated in an area of about 300 hectares as bund plantation in the district. Majority of farmers in the district are growing seed raised eucalyptus. In Faridabad district, the farmers are cultivating the eucalyptus at a spacing of 1.5 metre (65 per cent farmers) followed by at a spacing of 2.0 metre. Farmers reported that growth of eucalyptus is very slow and varied under their field conditionsand also give low wood yield. Some of the farmers reported that the existing seed raised eucalyptus showed incidence of die back disease in recent past in the district and also variation in yield. They also reported that these seed raised eucalyptus gave low yield at 1.5-meter spacing. So, a need was felt to tointroduce, popularize the clonal eucalyptus and also identify the optimum spacing which may be suitable for more growth and higher yield of clonal eucalyptus. However, some of the farmers are already adopting clonal eucalyptus plantation viz. Clone -413(KVK intervention) which may result in remarkable increase in the production of eucalyptus with recommended package and practices .Keeping the above in view, KVK, Faridabad planned to conduct an **On-Farm Trial/ Testing** to **Assess** effect of different spacing (1.5 metre, 2.0 metre and 3.0 metre spacing) on boundary planted eucalyptus during July 2015.At the end of December 2020 result showed that the plantation at a spacing of 3.0 meter from plant to plant was found better with a height of 17.7 m and 79.0 cm GBH (Girth at breast height) over 1.5 meter spacing showing height of 16.9 m and 68.5 cm GBH with a markedly 15.33 per cent increase in GBH (Girth at breast height) at 3.0 m spacing as compare to 1.5 meter spacing. At the end of December 2021 the result showed that the plantation at a spacing of 3.0 meter from plant to plant was found better with a height of 17.8 m and 92.3 cm GBH (Girth at breast height) over 1.5 meter spacing showing height of 17.0 m and 77.5 cm GBH with

a markedly 19.09 per cent increase in GBH (Girth at breast height) at 3.0 m spacing as compare to 1.5 meter spacing.At the end of December 2022 the result showed that the plantation at a spacing of 3.0 meter from plant to plant was found better with a height of 18.2 m and 102.6 cm GBH (Girth at breast height) over 1.5 meter spacing showing height of 17.2 m and 87.6 cm GBH with a markedly 17.12 per cent increase in GBH (Girth at breast height) at 3.0 m spacing as compare to 1.5 meter spacing.

***Table: Assessment* of growth of cloned eucalyptus planted at field boundaries**

Technology Option	*No.of trials*	*Height in (m)*	*Girth at Breast Height(Cm)*	*Increase in Height (%)*	*Increase in Girth (%)*
Spacing from Plant to plant 1.5 m *(Farmers Practices)*	01	17.2	87.6	--	--
Spacing from Plant to plant 2.0 m		17.4	88.8	1.16	1.47
Spacing from Plant to plant 3.0 m (Recommended)		18.2	102.6	5.81	17.12

OFT No. -8

***Problem definition:* Low yield of wheat with boundary plantation of poplar.**

Technology Assessed: Assessment of performance of wheat crop with boundary plantation of poplar (Populus deltoides) Age of trees 7-8 years

KVK, Faridabad conducted on-farm trial to Assess yield performance of ***wheat crop with boundary plantation of poplar (Populus deltoides) Age of trees 7-8 years planted at a spacing of 3.0meter from plant to plant.***

Result showed that wheat variety WH-1105 *with boundary plantation of poplar with 25 per cent higher seed rate. (125Kg/ha)* gave 49.6 q/ha, B:C ratio 3.27, whereas *wheat with boundary plantation of poplar with normal seed rate.100 kg(ha)* gave 46.2 q/ha, B:C ratio 3.09. Percent increase in yield was -7.77 % over control.

Table: *Assessment of performance of wheat crop with boundary plantation of poplar (Populusdeltoides)*

Technology Option	*No.of trials*	*Yield (kg/ha)*	*Increase in yield (%)*	*Net Returns (Rs./ha)*	*B:C Ratio*
T1-*Wheat with boundary plantation of poplar with normal seed rate.100 kg(ha) (Farmers Practices)*	1	4620	-	77843	3.09
T2- *Wheat with boundary plantation of poplar with 25 per cent higher seed rate.(125Kg/ha)* (Recommended)		4960	7.36	84694	3.27

OFT No. -9

NUTRITION AND HEALTH

Packeingeffecton shelf life on moong bean was assessed by KVK Faridabad using narrow neck plastic bottles. Three groups formed were- T1- Storage in wide mouth plastic container; T2-Storage in plastic zipper bags and T3-Storage in narrow neck plastic bottles.The results of the study indicated that there was a maximum damage grains/100 gm were 140, and no. of gram dhora /100 gm were 40 in the T1 followed by T2 group 20, and 10 whereas in the T3 group damaged grains/100gms were 0, and no. of gram dhoras were also 0. Hence, it is evident that shelf life of moong in storage in narrow neck plastic bottles storage has been foundmore under assessment.

Problem definition: Poor shelf life of whole pulses.

Technology Assessed: Effect of packaing (Narrow neck plastic bottles) on shelf life of mungbean.

Table: Effect *of packaing (Narrow neck plastic bottles) on shelf life of mungbean.*

Technology Option	*No.of trials*	*Damaged grains/100 gm*	*No. of gramdhoras/100gm*	*Net Returns (Rs./ha)*	*B:C Ratio*
T1- Storage in wide mouth plastic container *(Farmers Practices)*	30	140	40	-	-
T2- Storage in plastic zipper bags (Recommended)		28	10	-	-
T3-Storage in narrow neck plastic bottles ANGRAU, Hyderabad (Recommended)		0	0	-	-

II. FRONTLINE DEMONSTRATION

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

List of technologies demonstrated during previous year and popularized during 2021-22 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	Mustard	Varietal Evaluation	Use of high yielding varieties	Conducting CFLDs, Field visits, group meetings and Kisanghosthis.	12	265	146
2	Greengram	Varietal Evaluation	Use of high yielding varieties	Conducting CFLDs, Field visits, group meetings and Kisanghosthis.	09	89	53
3	Wheat	Varietal Evaluation	Use of high yielding varieties	Conducting CFLDs, Field visits, group meetings and Kisanghosthis.	07	125	12
4	Wheat	Varietal Evaluation	Use of high yielding varieties	Conducting CFLDs, Field visits, group meetings and Kisanghosthis.	12	107	97
5	Wheat	Varietal Evaluation	Use of high yielding varieties	Conducting CFLDs, Field visits, group meetings and Kisanghosthis.	8	72	57

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

b. Details of FLDs implemented during 2022 (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.	Greengram	Varietal Evaluation	Use of high yielding varieties	Summer 2022	20.0	20.0	9	41	50	Nil
2.	Mustard	Varietal Evaluation	Use of high yielding varieties	Rabi 2021-22	40.0	40.0	8	92	100	Nil
3.	Wheat	ICM	Use of timely sown high yielding varieties	Rabi 2021-22	12.0	12.0	4	26	30	Nil
4.	Wheat	ICM	Use of timely sown high yielding varieties	Rabi 2021-22	12.0	12.0	2	28	30	Nil
5.	Wheat	ICM	Use of late sown high yielding varieties	Rabi 2021-22	12.0	12.0	3	27	30	Nil
6.	Paddy	ICM	Varietal performance of Paddy	Kharif-2022	4.0	4.0	-	10	10	Nil
7.	Eucalyptus	Integrated farming	Clonal performance of eucalyptus Clone no. 413	Kharif 2015 Cont.	-	-	-	1	1	Nil

8.	Marigold	ICM	Varietal performance of Var. Hisar jafri/ French marigold	Rabi 2021-22	2.0	2.0	-	5	5	Nil
9.	Home Science	Drudgery reduction	Efficacy of pick bag for drudgery reduction	Rabi 2021-22	-	-	10	40	50	Nil
10	Home Science	Kitchen Gardening	Summer and winter vegetables	Summer and winter2022	-	-	90	210	300	Nil

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
Greengram	Summer 2022	Irrigated	Sandy Loam	L	M	M	Wheat	20-30 April, 2022	25-30 June, 2022	55.4	8
Mustard	Rabi 2021-22	Irrigated	Sandy Loam	L	L	M	Sorghum	05-20 Oct., 2021	21-30 Mar.,2022	85.3	5
Wheat	Rabi 2021-22	Irrigated	Sandy Loam	L	M	M	Paddy	01-25 Nov., 2021	10-15 April, 2022	96.8	7
Wheat	Rabi 2021-22	Irrigated	Sandy Loam	L	M	M	Paddy	01-25 Nov., 2021	10-15 April, 2022	96.8	7
Wheat	Rabi 2021-22	Irrigated	Sandy Loam	L	L	M	Paddy	1-15 Dec., 2021	15-20 April, 2022	96.8	7
Paddy	Kharif -2022	Irrigated	Sandy Loam	L	L	M	Wheat	01-15 July 2022	25-30 Oct. , 2022	585.0	21
Eucalyptus	Kharif 2015 Cont.	Irrigated	Sandy Loam	L	L	M	-	-	-	-	-
Mari Gold	Rabi-2021-22	Irrigated	Sandy Loam	L	L	M	-	-	-	-	-
Pick Bag	Rabi-2021-22	Irrigated	Sandy Loam	L	L	M	-	-	-	96.8	7
Kitchen Gardening	Kharif-2022 Rabi-2022-23	Irrigated	Sandy Loam	L	L	M	-	10-25March 2022 01-20 Nov.,2022	My-June,2022 Dec.,2022	585.0	0921

Technical Feedback on the demonstrated technologies

S. No	Feed Back
1	Demonstrated Var. RH-0725 gave higher yield over check var. RH-0749.
2	Timely sown wheat var. WH-1105 performed better over check variety HD-2967.
3	Timely sown wheat var. HD-3086 performed better over check variety WH-1105.
4	Late sown wheat var. WH-1124 gave higher yield over check var. WH-1021.
5	Greengram variety MH-421 is short duration variety with synchronous maturity.
6	Balance fertilizer application significantly increase over farmers practice.

Farmers' reactions on specific technologies:

S. No	Feed Back
1	Incidence of Aphid was reported in mustard crop but managed effectively by application of recommended insecticide.
2	Incidence of stem rot in raya remained low in demonstration plots in comparison to local check plots.
3	No incidence of yellow mosaic was observed in var. MH-421 but reported in local check.
4	In timely and late sown condition wheat demonstrated varieties performed better over local check.
5	The eucalyptus crop is damage by the blue bulls (Antelopes) in the Faridabad districts and Growth of Clonal eucalyptus is better than seed raised eucalyptus.

Extension and Training activities under FLD:

Sl.No.	Activity	No. of activities organised	Number of participants	Remarks
1	Field days	3	93	Field days were conducted at maturity stage to show the performance of demonstrated technology to the farmers.
2	Farmers Training	9	312	These trainings were imparted to the farmers to update them with improved package and practice of crops.
3	Media coverage	3	-	The media coverage was done for various extension activities like field day, trainings etc.
4	Training for extension functionaries	2	23	These trainings were organized to update the Extension functionaries with latest packages and practices of the crops.
5	Group meetings	8	154	Group meetings with farmers were organized during crop seasons.
6	KisanGosthies	2	37	KisanGosthies were organized prior sowing of Kharif and Rabi crops.

Performance of Frontline demonstrations

Frontline demonstrations on oilseed crops

Crop	Thematic Area	Technology demonstrated	Variety	No. of Farmers	Area (ha)	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
						Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
						High	Low	Average										
Mustard	ICM	Improved practices (Variety – RH -725) balanced use of fertilizers – 80 kg N + 30 kg P2O5 + 20 Kg K2O + 25 kg ZnSO4 + 40kg S/ ha + Bio fertilizers + Weed and stem rot management.	RH-725	100	40.0	25.3	17.5	18.9	17.3	15.02	34900	129365	94465	3.71	32250	112855	80605	3.50

* 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										
Greengram	ICM	Improved variety (MH-421), Balanced use of fertilizers (20 kg N + 40 kg P2O5 / ha + Biofertilizers – (Rhizotica + PSB) + Weed Management + Management of jassid.	MH-421	50	20	7.0	3.3	4.5	3.9	15.39	15190	31950	16760	2.10	13890	27690	13800	1.99

* 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 &Crop	Thematic Area	Name of the technology	No. of Farmers	Area (ha)	Yield (q/ha)				% Change in Yield	Other Parameters		Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
					Demo			Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
					High	Low	Average												
Cereals																			
Wheat Timely sown	ICM	High yielding variety HD-3086 v/s WH-1105 of wheat	30	12.0	49.3	41.3	45.3	43.0	5.35	-	-	37250	111279	74029	2.98	37250	106645	69395	2.86
Wheat Timely sown	ICM	High yielding variety WH-1105 v/s HD-2967 of wheat	30	12.0	48.5	39.5	44.0	41.7	5.51	-	-	37250	108660	71410	2.91	36750	104025	67275	2.83
Wheat Late Sown	ICM	High yielding variety WH-1124 v/s WH-1021 of wheat	30	12.0	46.5	38.1	42.3	39.1	8.2	-	-	37250	105235	67985	2.83	36750	98786	62036	2.69
Paddy	ICM	Varietal performance of Var. Pusa-1718 v/s Pusa-1121	10	4.0	50.9	46.9	48.9	46.2	5.84	-	-	45900	176040	130140	3.83	45900	173250	127350	3.77
Eucalyptus	Integrated farming	Clonal Eucalypts (No.-413) vs Seed raised Eucalypts	01	Boundary Plantation at Three location(villages) One side boundary plantation of 8ace	102.2cm(GBH) 18.4M(Height)	90.8. 17.1	96.5 17.8	76.4 15.8	26.3 12.7		-	-	-	-	-	-	-	-	-

* 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: NIL

FLD on Fisheries: NIL

FLD on Other enterprises: NIL

FLD on Farm Implements and Machinery: NIL

FLD on Other enterprises

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		Economics of demonstration (Rs.) or Rs./unit				Economics of check (Rs.) or Rs./unit			
					Demo	Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Home Science	Drudgery reduction	Efficacy of pick bag for drudgery reduction	50	50	1502	1186	26.64	Very less	Very much	-	-	-	-	-	-	-	-

FLD on Other Enterprise: Kitchen Gardening- summer vegetables

Category and Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of Units	Yield (Kg)		% change in yield	Other parameters		Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Home Science	Kitchen gardening	Summer vegetables	200	150	97.39	16.65	484.92	-	-	1330	4127	2797	3.10	450	1006	556	2.24

FLD on Other Enterprise: Kitchen Gardening- winter vegetables

Category and Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of Units	Yield (Kg)		% change in yield	Other parameters		Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Home Science	Kitchen gardening	Winter vegetables	150	150	162.39	31.75	411.46	-	-	620	3660	3040	5.90	280	865	585	3.09

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

Note : Remove the Enterprises/crops which have not been show

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	2	14	-	14	15	-	15	29	-	29
Resource Conservation Technologies	-	-	-	-	-	-	-	-	--	
Cropping Systems	-	-	-	-	-	-	-	-	-	-
Crop Diversification	-	-	-	-	-	-	-	-	-	-
Integrated Farming	2	16	-	16	14	-	14	30	-	30
Micro Irrigation/irrigation	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	5	59	-	59	40	-	40	99	-	99
Soil & water conservatioin	-	-	-	-	-	-	-	-	-	-
Integrated nutrient management	2	65	-	65	43	-	43	108	-	108
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
Others (pl specify)Spray techniques	1	47	-	47	15	-	15	62	-	62
Total	**12**	**201**		**201**	**127**		**127**	**328**		**328**
II Horticulture										
a) Vegetable Crops	-	-	-	-	-	-	-	-	-	-
Total (a)	-	-	-	-	-	-	-	-	-	-
b) Fruits										
Plant propagation techniques	2	12	44	56	-	18	18	12	62	74
Total (b)	**2**	**12**	**44**	**56**	**-**	**18**	**18**	**12**	**62**	**74**
c) Ornamental Plants	-	-	-	-	-	-	-	-	-	-
Total (c)	-	-	-	-	-	-	-	-	-	-
d) Plantation crops	-	-	-	-	-	-	-	-	-	-
Total (d)	-	-	-	-	-	-	-	-	-	-
e) Tuber crops	-	-	-	-	-	-	-	-	-	-
Total (e)	-	-	-	-	-	-	-	-	-	-
f) Spices	-	-	-	-	-	-	-	-	-	-
Total (f)	-	-	-	-	-	-	-	-	-	-
g) Medicinal and Aromatic Plants	-	-	-	-	-	-	-	-	-	-
Total (g)	-	-	-	-	-	-	-	-	-	-
GT (a-g)	**2**	**12**	**44**	**56**	**-**	**18**	**18**	**12**	**62**	**74**
III Soil Health and Fertility Management										
IV Livestock Production and Management										
Dairy Management	1	-	-	-	-	30	30	-	30	30
Total	**1**	**-**	**-**	**-**	**-**	**30**	**30**	**-**	**30**	**30**
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	2	-	40	40	-	19	19	-	59	59
Processing and cooking	2	-	18	18	-	52	52	-	70	70
Value addition	1	-	20	20	-	10	10	-	30	30
Total	**5**	**-**	**78**	**78**	**-**	**81**	**81**	**-**	**159**	**159**
VI Agril. Engineering	-	-	-	-	-	-	-	-	-	-
VII Plant Protection	-	-	-	-	-	-	-	-	-	-
VIII Fisheries	-	-	-	-	-	-	-	-	-	-
IX Production of Inputs at site	-	-	-	-	-	-	-	-	-	-
X Capacity Building and Group Dynamics	-	-	-	-	-	-	-	-	-	-
XI Agro-forestry										
Production technologies	2	48	-	48	6	-	6	54	-	54
Nursery management	1	-	-	-	30	-	30	30	-	30
Total	**3**	**48**	**-**	**48**	**36**	**-**	**36**	**84**	**-**	**84**
GRAND TOTAL	**23**	**261**	**122**	**383**	**163**	**129**	**292**	**424**	**251**	**675**

Farmers' Training including sponsored training programmes (off campus)

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Weed Management	3	38	-	38	25	-	25	63	-	63
Resource Conservation Technologies	7	142	-	142	85	-	85	227	-	227
Cropping Systems	-	-	-	-	-	-	-	-	-	-
Crop Diversification	2	30	-	30	9	-	9	39	-	39
Integrated Farming	6	147	-	147	75	-	75	222	-	222
Micro Irrigation/irrigation	2	48	-	48	23	-	23	71	-	71
Integrated Crop Management	21	340	18	358	99	1	100	439	19	458
Soil & water conservatioin	5	56	-	56	155	-	155	211	-	211
Integrated nutrient management	2	54	-	54	18	-	18	72	-	72
Total	**48**	**855**	**18**	**873**	**489**	**1**	**490**	**1344**	**19**	**1363**
II Horticulture										
a) Vegetable Crops										
Production of low value and high value crops	20	250	223	473	50	81	131	300	304	604
Kitchen Gardening	4	-	56	56	-	75	75	-	131	132
Total (a)	**24**	**250**	**279**	**529**	**50**	**156**	**206**	**300**	**435**	**735**
b) Fruits										
Training and Pruning	1	18	-	18	6	-	6	24	-	24
Layout and Management of Orchards	9	82	24	106	41	67	108	123	91	214
Management of young plants/orchards	1	14	2	16	4	2	6	18	4	22
Others (pl specify)	1	16	-	16	6	-	6	22	-	22
Total (b)	**12**	**130**	**26**	**156**	**57**	**69**	**126**	**187**	**95**	**282**
c) Ornamental Plants										
Propagation techniques of Ornamental Plants	1	15	5	20	3	1	4	18	6	24
Total (c)	**1**	**15**	**5**	**20**	**3**	**1**	**4**	**18**	**6**	**24**
d) Plantation crops	-	-	-	-	-	-	-	-	-	-
e) Tuber crops	-	-	-	-	-	-	-	-	-	-
f) Spices	-	-	-	-	-	-	-	-	-	-
g) Medicinal and Aromatic Plants	-	-	-	-	-	-	-	-	-	-
GT (a-g)	**37**	**395**	**310**	**705**	**110**	**226**	**336**	**505**	**536**	**1041**
III Soil Health and Fertility Management										
Soil and Water Testing	2	35	-	35	7	-	7	42	-	42
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	**2**	**35**	**-**	**35**	**7**	**-**	**7**	**42**	**-**	**42**
IV Livestock Production and Management	-	-	-	-	-	-	-	-	-	-
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	8	-	273	273	-	203	203	-	476	476
Processing and cooking	6	-	95	95	-	82	82	-	177	177
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-
Storage loss minimization techniques	-	-	-	-	-	-	-	-	-	-
Value addition	12	-	288	288	-	209	209	-	497	497
Location specific drudgery reduction technologies	2	-	28	28	-	53	53	-	81	81
Rural Crafts	2	-	42	42	-	20	20	-	62	62
Women and child care	2	-	32	32	-	24	24	-	56	56
Total	**32**	**-**	**758**	**758**	**-**	**591**	**591**	**-**	**1349**	**1349**
VI Agril. Engineering	-	-	-	-	-	-	-	-	-	-
VII Plant Protection	-	-	-	-	-	-	-	-	-	-
VIII Fisheries	-	-	-	-	-	-	-	-	-	-
IX Production of Inputs at site	-	-	-	-	-	-	-	-	-	-
X Capacity Building and Group Dynamics	-	-	-	-	-	-	-	-	-	-
XI Agro-forestry										
Production technologies	16	296	28	324	68	7	75	364	35	399
Nursery management	1	16	4	20	4	2	6	20	6	26
Integrated Farming Systems	9	177	2	179	21	2	23	198	4	202
Others (pl specify)										
Total	**26**	**489**	**34**	**523**	**93**	**11**	**104**	**582**	**45**	**627**
GRAND TOTAL	**145**	**1774**	**1120**	**2894**	**699**	**829**	**1528**	**2473**	**1949**	**4422**

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

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Weed Management	5	52		52	40		40	92		92
Resource Conservation Technologies	7	142	-	142	85	-	85	227	-	227
Cropping Systems	-	-	-	-	-	-	-	-	-	-
Crop Diversification	2	30	-	30	9	-	9	39	-	39
Integrated Farming	8	163		163	89		89	252		252
Micro Irrigation/irrigation	2	48	-	48	23	-	23	71	-	71
Seed production	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	26	399	18	417	139	1	140	538	19	557
Soil & water conservatioin	5	56	-	56	155	-	155	211	-	211
Integrated nutrient management	4	119		119	61		61	180		180
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
Others (pl specify) Spray techniques	1	47	-	47	15	-	15	62	-	62
Vermicomposting	-	-	-	-	-	-	-	-	-	-
Total	**60**	**1056**	**18**	**1074**	**616**	**1**	**617**	**1672**	**19**	**1691**
II Horticulture										
a) Vegetable Crops										
Production of low value and high valume crops	20	250	223	473	50	81	131	300	304	604
Off-season vegetables	-	-	-	-	-	-	-	-	-	-
Nursery raising	-	-	-	-	-	-	-	-	-	-
Exotic vegetables	-	-	-	-	-	-	-	-	-	-
Export potential vegetables	-	-	-	-	-	-	-	-	-	-
Grading and standardization	-	-	-	-	-	-	-	-	-	-
Protective cultivation	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Kitchen Gardening	4	-	56	56	-	75	75	-	131	132
Total (a)	**24**	**250**	**279**	**529**	**50**	**156**	**206**	**300**	**435**	**735**
b) Fruits										
Training and Pruning	1	18	-	18	6	-	6	24	-	24
Layout and Management of Orchards	9	82	24	106	41	67	108	123	91	214
Cultivation of Fruit	-	-	-	-	-	-	-	-	-	-
Management of young plants/orchards	1	14	2	16	4	2	6	18	4	22
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-
Export potential fruits	-	-	-	-	-	-	-	-	-	-
Micro irrigation systems of orchards	-	-	-	-	-	-	-	-	-	-
Plant propagation techniques	2	12	44	56	-	18	18	12	62	74
Others (pl specify)	1	16	-	16	6	-	6	22	-	22
Total (b)	**14**	**142**	**70**	**212**	**57**	**87**	**144**	**199**	**157**	**356**
c) Ornamental Plants										
Nursery Management	-	-	-	-	-	-	-	-	-	-
Management of potted plants	-	-	-	-	-	-	-	-	-	-
Export potential of ornamental plants	-	-	-	-	-	-	-	-	-	-
Propagation techniques of Ornamental Plants	1	15	5	20	3	1	4	18	6	24
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Flower production	-	-	-	-	-	-	-	-	-	-
Total (c)	**1**	**15**	**5**	**20**	**3**	**1**	**4**	**18**	**6**	**24**
d) Plantation crops	-	-	-	-	-	-	-	-	-	-
f) Spices	-	-	-	-	-	-	-	-	-	-
g) Medicinal and Aromatic Plants	-	-	-	-	-	-	-	-	-	-
GT (a-g)	**39**	**407**	**354**	**761**	**110**	**244**	**354**	**517**	**598**	**1115**
III Soil Health and Fertility Management										
Soil and Water Testing	2	35	-	35	7	-	7	42	-	42
Total	**2**	**35**	**-**	**35**	**7**	**-**	**7**	**42**	**-**	**42**
IV Livestock Production and Management										
Dairy Management	1	-	-	-	-	30	30	-	30	30
Total	**1**	**-**	**-**	**-**	**-**	**30**	**30**	**-**	**30**	**30**

V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	10	-	313	313	-	222	222	-	535	535
Design and development of low/minimum cost diet	-	-	-	-	-	-	-	-	-	-
Designing and development for high nutrient efficiency diet	-	-	-	-	-	-	-	-	-	-
Minimization of nutrient loss in processing	-	-	-	-	-	-	-	-	-	-
Processing and cooking	8	-	113	113	-	134	134	-	247	247
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-
Storage loss minimization techniques	-	-	-	-	-	-	-	-	-	-
Value addition	13	-	308	308	-	219	219	-	527	527
Women empowerment	-	-	-	-	-	-	-	-	-	-
Location specific drudgery reduction technologies	2	-	28	28	-	53	53	-	81	81
Rural Crafts	2	-	42	42	-	20	20	-	62	62
Women and child care	2	-	32	32	-	24	24	-	56	56
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	**37**	**-**	**836**	**836**	**-**	**672**	**672**	**-**	**1508**	**1508**
VI Agril. Engineering	-	-	-	-	-	-	-	-	-	-
VII Plant Protection	-	-	-	-	-	-	-	-	-	-
VIII Fisheries	-	-	-	-	-	-	-	-	-	-
IX Production of Inputs at site	-	-	-	-	-	-	-	-	-	-
X Capacity Building and Group Dynamics	-	-	-	-	-	-	-	-	-	-
XI Agro-forestry										
Production technologies	18	344	28	372	74	7	81	418	35	453
Nursery management	2	16	4	20	34	2	36	50	6	56
Integrated Farming Systems	9	177	2	179	21	2	23	198	4	202
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	**29**	**537**	**34**	**571**	**129**	**11**	**140**	**666**	**45**	**711**
GRAND TOTAL	**168**	**2035**	**1242**	**3277**	**862**	**958**	**1820**	**2897**	**2200**	**5097**

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	1	-	-	-	30	-	30	30	-	30
Vermi-culture	-	-	-	-	-	-	-	-	-	-
Mushroom Production	-	-	-	-	-	-	-	-	-	-
Bee-keeping	-	-	-	-	-	-	-	-	-	-
Sericulture	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Value addition	3	-	-	-	-	90	90	-	90	90
Small scale processing	2	-	-	-	-	60	60	-	60	60
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
Tailoring and Stitching	2	-	-	-	-	60	60	-	60	60
Rural Crafts	1	-	20	20	-	10	10	-	30	30
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
Dairying	-	-	-	-	-	-	-	-	-	-
Sheep and goat rearing	-	-	-	-	-	-	-	-	-	-
Quail farming	-	-	-	-	-	-	-	-	-	-

Piggery	-	-	-	-	-	-	-	-	-	-
Rabbit farming	-	-	-	-	-	-	-	-	-	-
Poultry production										
Ornamental fisheries	-	-	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-	-	-
Freshwater prawn culture	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Cold water fisheries	-	-	-	-	-	-	-	-	-	-
Fish harvest and processing technology	-	-	-	-	-	-	-	-	-	-
Fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Any other (pl.specify)	-	-	-	-	-	-	-	-	-	-
Spray techniques	-	-	-	-	-	-	-	-	-	-
TOTAL	**9**	**-**	**20**	**20**	**30**	**220**	**250**	**30**	**240**	**270**

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

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
Planting material production	1	-	-	-	30	-	30	30	-	30
Value addition	3	-	-	-	-	90	90	-	90	90
Small scale processing	2	-	-	-	-	60	60	-	60	60
Tailoring and Stitching	2	-	-	-	-	60	60	-	60	60
Rural Crafts	1	-	20	20	-	10	10	-	30	30
TOTAL	**9**	**-**	**20**	**20**	**30**	**220**	**250**	**30**	**240**	**270**

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops	1	19	1	20	3	-	3	22	1	23
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)	-	-	-	-	-	-	-	-	-	-
Nutritioal Kitchen Gardening	1	-	25	5	-	5	5	-	30	30
Terrace and vertical gardening	1	-	20	20	-	10	10		30	30
TOTAL	**3**	**19**	**46**	**45**	**3**	**15**	**18**	**22**	**61**	**83**

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops	4	50	4	54	9	-	9	59	4	63
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient management	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	1	10	2	12	2	-	2	12	2	14
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)	-	-	-	-	-	-	-	-	-	-
Recent advances on Production technology of Agroforestry and Horticulture	1	9	1	10	-	-	-	9	1	10
Technological advances in agroforestry	1	23	1	24	3	-	3	26	1	27
TOTAL	**7**	**92**	**8**	**100**	**14**		**14**	**106**	**8**	**114**

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	**5**	**69**	**5**	**74**	**12**		**12**	**81**	**5**	**86**
Rejuvenation of old orchards	1	10	2	12	2	-	2	12	2	14
Nutritioal Kitchen Gardening	1	-	25	5	-	5	5	-	30	30
Terrace and vertical gardening	1	-	20	20	-	10	10		30	30
Recent advances on Production technology of Agroforestry and Horticulture	1	9	1	10	-	-	-	9	1	10
Technological advances in agroforestry	1	23	1	24	3	-	3	26	1	27
TOTAL	**10**	**111**	**54**	**145**	**17**	**15**	**32**	**128**	**69**	**197**

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	-	-	-	-	-	-	-	-	-	-
Production and value addition	-	-	-	-	-	-	-	-	-	-
Post harvest technology and value addition	-	-	-	-	-	-	-	-	-	-
Farm machinery	-	-	-	-	-	-	-	-	-	-
Livestock and fisheries	-	-	-	-	-	-	-	-	-	-
Home Science	-	-	-	-	-	-	-	-	-	-
Household nutritional security	1	-	25	25	-	5	5	-	30	30
Total	-	-	-	-	-	-	-	-	-	-
Agricultural Extension										
GRAND TOTAL	1	-	25	25	-	5	5	-	30	30

Name of sponsoring agencies involved:IFFCO, Faridabad

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
Value addition	1	-	-	-	-	30	30	-	30	30
Total	**1**	**-**	**-**	**-**	**-**	**30**	**30**	**-**	**30**	**30**
Rural Crafts(Macrem Art)	1	-	20	20	-	10	10	-	30	30
Nursery, grafting etc.	1	-	-	-	30	-	30	30	-	30
Tailoring, stitching, embroidery, dying etc.	2	-	-	-	-	60	60	-	60	60
Bakery	2	-	-	-	-	60	60	-	60	60
Spray techniques	-	-	-	-	-	-	-	-	-	-
Total	**6**	**-**	**20**	**20**	**30**	**130**	**160**	**30**	**150**	**180**
Agricultural Extension	-	-	-	-	-	-	-	-	-	-
Grand Total	7	-	20	20	30	160	190	30	180	210

IV. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
Advisory Services	151	6633	116	6749
Diagnostic visits	42	911	12	923
Field Day	6	192	22	214
Group discussions	-	-	-	-
KisanGhosthi	8	216	16	232
Film Show	8	424	16	440
KisanMela	2	516	18	534
Scientists' visit to farmers field	42	911	12	923
Ex-trainees Sammelan	4	240	24	264
Method Demonstrations	43	1013	57	1070
Celebration of important days	11	532	24	556
Special day celebration	11	532	24	556
Exposure visits	1	48	06	54
Group meetings	50	1286	42	1328
Campaign	31	3320	25	3345
Expert lectures	81	2850	61	2911
Total	**491**	**19624**	**475**	**20099**

Details of other extension programmes

Particulars	Number
Extension Literature	4
News paper coverage	27
Popular articles	12
Radio Talks	4
Total	**47**

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weather	Marketing	Awareness	Other enterprise	Total
Faridabad	Text only	-	-	-	-	-	-	
	Voice only	-	-	-	-	-	-	-
	Voice & Text both	-	-	-	-	-	-	-
	Total Messages	-	-	-	-	-	-	-
	Total farmers Benefitted	-	-	-	-	-	-	-

CHAPTER –IV
AUXILIARY ACTIVITIES

V. Details of Technology WeekCelebrations: Nil

VI. Production of Seed/Planting Material and bio-products: Nil

VII. Details of Soil, Water and Plant analysis: Nil

VIII. Scientific Advisory Committee: The scientific advisory committee was held on 21.07.2022 at KVK Faridabad premises chaired by Dr. Balwan Singh Mandal DEE, CCSHAU,Hisar and 23 participant fro different departments attended the meeting.

IX. Newsletter/Magazine: Nil

X. Publications:

Category	Number
Research Paper	12
Technical reports	54
Popular Articles	12
Technical Reports (APR , QPR & MPR to ATARI,Jodhpur& Director, Extension, CCSHAU, Hisar).	18
Technical Reports on Swachh Bharat AbhiyanJal Shakti Abhiyan,&MeraGaonMera Gaurav Programme.	36

XI. Details on Rain Water Harvesting Structure and Micro-Irrigation system –Nil

XII. Interventions on Disaster Management/Unseasonal Rainfall/Hailstorm/Cold Waves Etc –Nil

XIII. Details on HRD Activities:

Details of HRDActivities during January 2022 to December 2022:

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
CCS HAU,Hisar	ZREAC Meeting for Kharif- 2022 organised by Director Research, CCSHAU, Hisar	1	2	KVK Faridabad
CCS HAU,Hisar	KrishiMela for Kharif-2022	1	4	KVK Faridabad
CCS HAU, Hisar	Workshop on "SCOPUS Citation & Indexing Database & Other e-Resources for the Faculty/Scientists of University	1	6	KVK Faridabad
CCS HAU, Hisar	Agricultural Officers Workshop for Kharif-2022	1	4	KVK Faridabad
CCS HAU, Hisar	Webinar on "Reducing carbon emission- simple solution to complex problems" -Expert lecture delivered by Dr. Rajesh Jalota from Australia.	1	6	KVK Faridabad
CCS HAU, Hisar	Scientific Advisory Committee meeting	1	6	KVK Faridabad
CCS HAU, Hisar	State level online workshop on "Fodder Resource Development Plan for Haryana	1	6	KVK Faridabad
CCS HAU, Hisar	Zonal Research Extension Action Committee (ZREAC) for Rabi-2022-23	1	2	KVK Faridabad
CCS HAU, Hisar	Krishi Mela for Rabi-2022-23.	1	5	KVK Faridabad
CCS HAU, Hisar	Agricultural Officer's Workshop Rabi-2022	1	4	KVK Faridabad
CCS HAU, Hisar	Kisan Diwas-2022 (Scientist-Farmer Interaction Meet) organised by Directorate of Extension Education, CCSHAU, Hisar.	1	3	KVK Faridabad
Total		**11**	**48**	

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
Virtual State Level Workplan (2022) Workshop for KVKs of Haryana & Delhi organized by Director ATARI, Jodhpur	1	6	KVK Faridabad
Video Conference on ICRISAT Foundation Day Event by Hon'ble PM. organized by Director ATARI, Jodhpur	1	6	KVK Faridabad
Webinar on SMART Agriculture - Emerging Hi-Tech. and Digital Agri Ecosystem organized by Director ATARI, Jodhpur	1	6	KVK Faridabad
Kisan Sarthiprogramme organized by Ministry of Agriculture and Farmers' Welfare, New Delhi & ICAR, New Delhi	1	3	KVK Faridabad
Kisan Sarthiprogramme. organized by Ministry of Agriculture and Farmers' Welfare, New Delhi & ICAR, New Delhi	1	3	KVK Faridabad
Virtual Training on " Oilseed Production Technologies" under NFSM – Oilseedsorganized by Director ATARI, Jodhpur	1	4	KVK Faridabad
Webinar on "Recent trends in modern & precision Horticulture Farming" organized by Director ATARI, Jodhpur	1	2	KVK Faridabad
Virtual meeting regarding Implementation of Kisan Sarthi at National level organized by Ministry of Agriculture and Farmers' Welfare, New Delhi & ICAR, New Delhi	1	2	KVK Faridabad
National dialogue on "Extension services for efficient delivery of Horticultural technologies : a way forward" organized by IIHR, Bangalore	1	6	KVK Faridabad
Programme of Hon'ble P.M. on " Gareeb Kalyan Sammelan" and PM Kisan Nidhi Programme organized by ICAR, New Delhi at NASC Complex	1	2	KVK Faridabad
Annual Zonal Review Workshop' of KVKs of Rajasthan, Haryana & Delhi. organized by Director ATARI, Jodhpur	1	1	KVK Faridabad
Review Meeting of DFI Network Project organized by Director ATARI, Jodhpur	1	1	KVK Faridabad
Interaction-cum-Discussion on crop Residue Management & Natural Farming for KVKs of Haryana & Delhi organized by Director ATARI, Jodhpur	1	6	KVK Faridabad
Development of a Food Practice Compendium on Millet Mainstreaming& a Scale-up Strategyorganized by NITI Aayog, New Delhi	1	6	KVK Faridabad
Role of ATARIs in Dissemination & Implementation of Integrated Pest Management organized by NRCIPM, New Delhi.	1	6	KVK Faridabad
Workshop-cum-Training under National Food Security Mission-Pulses organized by Director ATARI, Jodhpur	1	2	KVK Faridabad
DFI Virtual Review Meeting organized by Director ATARI, Jodhpur	1	2	KVK Faridabad
Virtual Meeting Natural Farming	1	6	KVK Faridabad
Total	**18**	**70**	

XIV. Case Studies (Case Studies May Be Given in Detail as Per the following format)

Success Story-1

Effect of DFI intervention	Name of KVK : Faridabad
Name of farmer:	Jitender
Address:	V/P-Mohna ;Teh- Ballabgarh, Dist-Faridabad
Mobile Number:	9991400790
Age:	51
Education:	10+2
Size of land holding (in acre):	9.0

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	**Names**	**Area (acre)/ Number**	**Production (Q/Liter/No.)**	**Gross Income (Rs.)**	**Net Income (Rs.)**
Field Crop 1	Paddy	9.0	168.0	218400	175000
Field Crop 2	Wheat	9.0	135.0	216000	176000
Livestock 1	Desi Cow	1.0	1700	50000	27500
Total				**484400**	**378500**

2) Status in 2020

Component Description		Period 2021-22				% increase over base year	
Components	**Names**	**Area (Acre)/No**	**Production (Q/Liter/No.)**	**Gross Income (Rs.)**	**Net income (Rs.)**	**Production**	**Income**
Field Crop 1	Paddy	9.0	208.0	407680	214000	23.81	22.29
Field Crop 2	Wheat	6.0	115.2	282128	192728	-14.67	9.50
Veg. Crop1	Potato	3.0	500	550000	415000	100.0	100.00
Livestock1	Desi Cow	4.0	9000	360000	280000	429.41	918.18
Total				**1599808**	**1101728**		**154.13**

Brief: The farmer used to get annual income of Rs. 378500 from 9.0 acre of land and rearing of single cow. He faced problems like high cost of cultivation, deteriorating soil health and low yield of milk from domesticanimals, etc. With DFI interventions like adoption of improved package of practices, inclusion of vegetable crop like potato, etc., he is getting annual income of Rs 1101728.

Wheat crop at Farmer's Field

Farmers Potato Field

Success Story-2

Effect of DFI intervention	Name of KVK : Faridabad
Name of farmer:	Manoj
Address:	V/P- Ghurashan, Tigaon; Teh- Tigaon; Dist- Faridabad
Mobile Number:	9773832001
Age:	45.0
Education:	10
Size of land holding (in acre):	2.0

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	**Names**	**Area (acre)/ Number**	**Production (Q/Liter/No.)**	**Gross Income (Rs.)**	**Net Income (Rs.)**
Field Crop 1	Wheat	2.0	35.0	52500	36500
Field Crop 2	Bajra	1.0	8.5	11305	7205
Field Crop 3	Sorghum	1.0	95.0	9500	6000
Livestock 1	Buffalo	1	1800.0	63000	35000
Total				**136305**	**84705**

2) Status in 2020

Component Description		Period 2021-22				% increase over base year	
Components	**Names**	**Area (Acre)/No**	**Production (Q/Liter/No.)**	**Gross Income (Rs.)**	**Net income (Rs.)**	**Production**	**Income**
Field Crop 1	Wheat	1.0	22.0	42350	29350	-37.14	-19.58
Field Crop 2	Raya	1.0	8.6	55900	41940	100.00	00.00
Field Crop 3	Bajra	1.0	9.5	21375	14375	11.76	99.51
Field Crop 4	Sorghum	1.0	125.0	21250	12250	31.57	104.16
Field Crop 5	Summer moong	2.0	7.0	45500	29000	100.00	100.00
Livestock 1	Buffalo	3	7200.0	324000	184000	300.00	425.71
Total				**510375**	**310915**		**267.06**

Brief: The farmer used to get annual income of Rs.84705 from 2.0 acre of land, one buffalo, etc. He faced problems like high cost of cultivation, low yield of milk from animals, etc. With DFI interventions like crop diversification, adoption of latest variety, plant protection advisory by KVK, latest agro advisory and scientific dairy farming etc., he is getting annual income of Rs 310915.

Field Visit by KVK Scientist at Farmers' Wheat Field

Farmers' participation in Raya Field Day

XIII. Status Revolving FUNDS

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year
January 2020 to December 2020	212511	244286	325265	131532
January 2021 to December 2021	337777	246117	133873	450021
January 2022 to December 2022	316890	285940	279029	323801

The, NARI and Natural farming report report with salient achievement:

1. **Performance of various interventions carried out under NARI Scheme during January to December 2022:**

Work undertaken and achievements under NARI Programme:

I. Capacity building of farm women was done through trainings, method demonstrations, lectures during group meetings etc. at KVK premises & in the villages Dhaikola, Bhopani, Nacholi and Badarpur said adopted for NARI Programme and also DFI villages Chirsi and Tajupur.

II. Extension activities such as Days celebration (International women day), Group meetings, NARI Camp, Breast Feeding Week, National Nutrition Week, Campaign pertaining to Nutri garden werealso carried out in the villages Bhopani, Nacholi, Dhaikola and Badarpur said for NARI Programme.

III. Vegetable seed packets (3000) were provided to three hundred farm women of villages i.e. Bhopani, Nacholi, Tajupur, Chirsi, Dhaikola and Badarpur said for establishing Nutri gardens and the same were established by these households.

The detail of Trainings conducted and other programmes organized under NARI Project and Nutri Gardens established in adopted villages:

Sr. No.	Title	Venue	Date	No. of participants
1	Training of kitchen gardening	Tajupur	22.02.2022	29
2.	Training on of kitchen gardening	Gurason	199.02.2022	27
3.	Training on kitchen gardening	Chirsi	22.03.2022 29.03.2022	110 30
4.	Training on kitchen gardening	Tajupur	25.03.2022 30.03.2022	90 31
5.	Training on Importance of kitchen gardening	Chirsi	12.04.2022	28
6.	Training on Importance of kitchen gardening	Tajupur	29.04.2022	30
7.	Visit of established kitchen gardens	Chirsi	11.05.2022	22
8.	Visit of established kitchen gardens	Tajupur	29.06.2022	18
9.	Visit of established kitchen gardens	Tajupur	09.07.2022	20
10.	Training on Importance of Nutrigardens and kitchen gardening	Chirsi	18.08.2022	29
11.	Training on Nutritional Gardening for rural women	Badarpursaid	02.09.2021	30
12.	Training on Nutritional Gardening for rural women	KVK Premises	03.09.2022	30
13	In service training on PoshnGrihVatika	KVKPremises	06.09.2022	30
14.	In service training on Terrace Gardening.	KVKPremises	06.09.2022	30
15.	Poshan Diwas Sammellan and tree plantation campaign and VriksharopanProgramme	KVK Premises	17.09.2022	104
16.	Training on Nutritional Gardening for rural women	Mehawtarpur	28.09.2022	34
17.	Training on Nutritional Gardening	Ballabgarh	29.09.2022	26
18.	Training on Tips of Kitchen Gardening	KVK Premises	15.10.2022	29
19.	Training on Tips of Kitchen Gardening	Jassana	27.10.2022	28
20.	Training on Tips of Kitchen Gardening	Chirsi	29.10.2022	27
21.	Demonstations on Kitchen Gardening model for fresh vegetable throughout season	Chirsi	29.10.2022	19
22.	Training on Tips of Kitchen Gardening	Chirsi	02.11.2022	100
23.	Training on Tips of Kitchen Gardening	Bhopani	11.11.2022	50
24.	Farmers Scientist Interface meeting on Kitchen Gardening and Value addition	KVKPremises	23.11.2022	60
25.	Training on Tips of Kitchen Gardening	Badarpursaid	26.12.2022	32

2. Effortsmade towards formation of Farmer ProducerOrganisations (FPOs) by KVK in collaboration with Deptt of Hort., Govt. of Haryana,Faridabad and NABARD, Faridabad.

The formation of Following FPOs was initiated with collaboration of Deptt of Hort., Govt. of Haryana,Faridabad and NABARD, Faridabad during the year 2022 and in progress to complete as per guidelines issued by Govt. of India.The Detail of FPOs in the field of Vegetable crops and Floriculture is presented in the table

Name of FPO	Address	No. of Farmer Members
Details of FPOs in the field of Vegetable crops.		
Fresh Field Farmer Producer Company Limited	Vill.-Chhainsa, Ballabhgarh	60
MohnaAgro Producer Company Limited	Vill.-Mohna, Ballabhgarh	220
Details of FPOs in the field of Floriculture.		
Kaalindri Farmer Producer Company Limited	Vill.-FatehpurBilloch, Ballabhgarh	290
DaujiPhoolUtpadak Producer Company Limited	Vill.-FatehpurBilloch, Ballabhgarh	235

3. Activities carried out under Natural Farming Projec/Programme:

Sr. No.	Type of Activity undertaken	Venue	Date	No. of Participants
1.	Method demonstration on Jeeva Amrit Preparation	Mohna	02.03.2022	22
2.	Awareness campaign on Natural Farming	Mohna, Chhainsa, Bahadurpur,Chirsi	02.03.2022,04.03.2022 10.03.2022,19.03.2022	68
3.	Training on Importance of Natural Farming	Bahadurpur	10.03.2022	22
4.	Training on Importance of Natural Farming	Ghurason	13.04.2022	21
5.	Training on Importance of Natural Farming	Manjhawali	15.04.2022	26
6.	Method demonstration on Jeeva Amrit Preparation	Mohna	15.04.2022	17
7.	Kisan Mela on PrakritikKheti/Natural farming	KVK Premises	26.04.2022	209
8.	Training on Natural Farming	Chirsi	11.05.2022	22
9.	Training on Natural Farming	Dhaikola	19.05.2022	21
10.	Training on Natural Farming	Mohna	20.052022	20
11.	Awareness campaign on Natural Farming	Nacholi	27.05.2022	18
12.	Training on Natural Farming	Karnera	04.06.2022	24
13.	Awareness campaign on Natural Farming	Karnera	27.06.2022	21
14.	Training on vegetable cultivation through Natural Farming	Bahadurpur	08.07.2022	21
15.	Extension Lecture on Natural Farming	Bhaskola	19.07.2022	24
16.	Training on Natural Farming	Mohna	27.072022	21
17.	Training on Natural Farming	Dhaikola	05.08.2022	18
18.	Training on vegetable cultivation through Natural Farming	Badarpursaid	25.08.2022	26
19	Training on Natural Farming	Mohna	02.09.2022	23
20.	Awareness programme on Natural Farming	KVK Premises	17.09.2022	104
21	Awareness programme on Natural Farming	KVK Premises	17.10.2022	63
22.	Training on Importance of Natural Farming	Bhopani	28.10.2022	21
23.	Awareness programme on Natural Farming	Arua	14.11.2022	24
24.	Training on Importance of Natural Farming	Tajupur	15.11.2022	23
25.	Training on Natural Farming	Mohna	08.12.2022	23
26.	Training on vegetable cultivation through Natural Farming	Chirsi	12.12.2022	23
27.	Training on Importance of Natural Farming	KVK Premises	19.12.2022	28

4. Activities carried out under Swachh Bharat AbhiyanProgramme:

The Following activities were carried out under Swachh Bharat Abhiyan Programme at KVK Premises as well as selected villages and DFI Villages.

Sr.No.	Type of Activity undertaken	Venue	Date	No. of Participants
1.	Cleanliness awareness drive on swachcha Bharat	Bhopani	06.01.2022	50
2.	Campaign/Group meeting on cleaning of sewerage & water lines, awareness on recycling of waste water and safe drinking water for rural households	KVK Premises	27.01.2022	12
3.	Awareness about swachhtaprogrammes during National Girl Child Day celebration.	KVK premises	24.01.2022	39
4.	Cleanliness awareness drive on swachcha Bharat	Mahawatpur	28.02.2022	29
5.	Swachhta awareness on the occasion of International Women Day celebration	KVK Premises	08.03.2022	60
6.	Cleanliness and sanitation drive at KVK Premises	KVK Premises	11.03.2022	22
7.	Group meeting regarding Swachhta activities at village level.	Chirsi	22.03.2022	16
8.	Cleanliness Drive/ Campaign under Swachh Bharat Abhiyan	KVK Premises	12.04.2022	11
9.	Cleanliness Campaign under Swachh Bharat Abhiyan	Bhopani	29.04.2022	12
10.	Cleanliness Drive/ Campaign under Swachh Bharat Abhiyan	Chirsi	11.05.2022	19
11.	Cleanliness Campaign under Swachh Bharat Abhiyan	KVK Premises	24.05.2022	24
12.	Cleanliness Drive/ Campaign under Swachh Bharat Abhiyan	KVK Premises	21.06.2022	54
13.	Special Swachhta Campaign in Adopted village	Chirsi	15.07.2022	11
14.	Plantation campaign under Swachh Bharat Abhiyanat KVK Premises	KVK Premises	21.07.2022	23
15.	Special Swachhta Campaign at KVK Premises	KVK Premises	17.08.2022	12
16.	Swachhta pledge taken by villagers for maintaining cleanliness	Tigaon	31.08.2022	17
17.	Home visit during Swachhtaprogramme for awareness regarding organic waste (Animal dung) management.	Chirsi	03.09.2022	15
18.	Swachhta at KVK Premises	KVK Premises	27.09.2022	11
SwachhtaPakhwara Celebration from October.02-31,2022.				
I.	Swachhata pledge by KVK Staff andCleanliness drive including cleaning of offices, corridors at KVK premises.	KVK Premises	02.10.2022	9
II.	Awareness on waste management & other activities including utilization of organic wastes/ generation of wealth from waste, polythene free status	Nacholi	03.10.2022	23
III.	Special Cleanliness drive of office and KVK Library by KVK Staff	KVK Premises	04.10.2022	9
IV.	Special Cleanliness drive of in front of office by KVK Staff	KVK Premises	06.10.2022	11

V.	Special Cleanliness drive of office by KVK Staff	KVK Premises	07.10.2022	11
VI.	Special Cleanliness drive of in front of office by KVK Staff	KVK Premises	1010.2022	11
VII.	Block level KisanGosthi on crop residue management	Arua	11.10.2022	46
VIII	Special Cleanliness drivein front of office by KVK Staff	KVK Premises	12.10.2022	11
IX	Group meeting andSpecial Cleanliness awarenessfor school children	Govt. School, Bhopani	15.10.2022	43
X	Awareness activity for conversion of waste to wealth	Ghurason	18.10.2022	25
XI	Special Cleanliness awarenessfor school children	Govt. School, Nacholi	19.10.2022	48
XII	Special Cleanliness drive at KVK premises	KVK Premises	20.10.2022	9
XIII	Special Cleanliness drive including cleaning of offices, corridors at KVK premises.	KVK Premises	21.10.2022	9
XIV	KisanGosthi on waste to wealth on straw management	Manjhawali	27.10.2022	21
XV	Special Cleanliness awarenessfor school children	Govt. School, Bhopani	28.10.2022	44
XVI	Cleanliness drive at KVK premises.	KVK Premises		11
XVII	Cleanliness drive at KVK premises.	KVK Premises	31.10.2022	11

5. Awareness of Govt. of India Flagship programmes related to Agriculture and allied Fields among farming community of operational area of KVK Faridabad.

Awareness about Central/ State Flagship Farmers' Welfare Schemes/ Programmes was made to the farmers, farm women, rural youth in the selected villages by organizing Group/ Farmers meetings, Home Visits, celebration of Important Weeks, Important Days like KisanMahilaDiwas ,World Food Day, World Soil Day, Agricultural Education Day, RastriyaPoshanMaah Celebration (Special emphasis were given for promotion and popularization of Kitchen Gardening/ Nutri gardens at Aanganwari Centres and at Household level and also Capacity building of Aanganwari workers and Farm Womenon Kitchen Gardening/ Nutri gardens), Tree plantation Campaign, Farmers Producers Organisations, Pradhan MantriFasalBeemaYojana, AtamNirbharBharat Programme, and SwachhtaPakhwara from Dec 16-31,2022), PM SamaanNidhiYojna, AwareLive Telecast of Hon'ble PM Programme for releasing Money for farmers underPMSamaanNidhiYojna and Interaction with Farmers about Natural farming.

CHAPTER –V

LIST OF PULICATIONS

I. Research Papers published:

1. Rani, N. Sindhu, S.C., Rani, V. and Manisha .2022. Physical activity pattern and life style habits among rural and urban diabetic subjects. *Int. Journal of Home Science*, 8(1): 16-20.
2. Rani, N. Sindhu, S.C., Rani, V. and Manisha. 2022.Food consumption pattern among rural and urban diabetic subjects, The Pharma Innovation Journal, 11(2): 1633-1638. (NAAS rating 5.23).
3. Sonia, Rani, V., Sindhu, S.C. and Neha.2022. Development and nutritional evaluation of curry leaves supplemented *Idli.* The Pharma Innovation Journal, 11(2): 620-623. (NAAS rating 5.25).
4. Kumari, N. Sindhu, S.C., Rani, V. and Dhami, S. 2022. Development and evaluation of value added muffins incorporating pumpkin (*Cucurbita pepo* L.) seeds. Agricultural Research Journal, 59(1): 94-98. (NAAS rating 5.44).
5. Jyoti, Sangwan, V. and Rani, V.2022. Effect of nutrition interventions on knowledge and adoption feasibility of gluten free products by celiac disease patients. Indian Journal of Extension Education 58 (3):179-181.
6. Jyoti, Sangwan, V. and Rani, V.2022. Formulation, nutritional evaluation and storage stability of gluten free quinoa biscuits for celiac disease patients. Annals of Phytomedicine 11(1): 359-364.
7. Verma, J., Rani, V., Sangwan, V and Karnika.2022. Physical, sensory and nutritional quality of anthocyanins rich pasta prepared using biofortified purple wheat. Annals of Phytomedicine 11(1): 78-85.
8. Rani. V., Nandal, U. Reena and Sindhu S.C.2022. Nutrient milieu of products developed for prediabetic population using fenugreek seeds debittered by traditional techniques. Annals of Phytomedicine 11(2): 344-350
9. Lavanya, A., Rani, V. Sangwan, V. and Godara, P.2022. Optimization for Incorporating Teff, Sorghum and Soybean Blends in Traditional Food Preparations. IAHRW International Journal of Social Sciences Review, 10(4):422-426.
10. Kumar, Vinod; Ahlawat, K.S.; Amarjeet and Kumar, Sanjay .2022. Impact of hydrogel on wheat in sandy soils under limited irrigation conditions. *Journal of Eco-Friendly Agriculture*.Vol.17 (02).293-295. ISSN: 2582-2683 (Online). (NAAS Rating: 5.23)
11. Navneet and Kumar, Vinod., 2022.Influence of different sowing and fertilizer application methods on the yield, quality and nutrient uptake in cotton.*Journal of Cotton Research & Development 36* (2): 208–213(. NAAS Rating 4.76)
12. Singh,Sube; Shehrawat, P. S; Yadav, V.P.S.andA.K.Godara.2022.Awareness and adoption level of farmers towards water harvesting practices.*Indian Res. J. Ext. Edu.* 22(2):160-165. (NAAS Rating: 5.22)

II. Popular Articles published in leading Farm Magazines:

1. Rajni and Rani, V. (2022) Gajjer ke petteon ke anokhe labh. Kheti Dunia 6(50):2.
2. Rani, N. and Rani V (2022) *Biofortification-kuposhan se ledne ki nairannniti*. Haryana Kheti55(11):21
3. Rani, N. and Rani V (2022) Robotics in Food Industry: yay or nay? Food & Beverages Processing 9(2):12-13.
4. Rani, V. and Sangwan, V. (2022) *Swasthjivan ka aadhar: Gerbhavastha se lekerbechchekedusrejanamdintak ka aahar*. Haryana Kheti 55(3):23.
5. Lavanya, A and Rani, V. (2022) Air frying- a new technology: Are air- fried foods healthy? Food & Beverages Processing 8(8): 12-13.
6. Rani, V., Yadav, V.P.S. and Gupta, R.B. (2022) *Poshan vatikagheralu star per khadyasuraksha ka behtarvikalp.* Kheti Duniya 6(14): 3.
7. Rani, V.and Sangwan, V. (2022) Food to food fortification: A nippy way to add nutrients to diet. Food & Beverages Processing 8(9): 14-15.
8. Kumar, Rajender;Yadav, J.N.and Yadav, V.P.S. 2022 :Jaivik Kheti Ke Liye Apnayein - Vermicompost. *Haryana Kheti* :54 (6): 12-13.
9. Kumar, Vinod; Jakhar Devender and Nimoria, Sanjay. 2022. Hari Khad: Jameen Ki Upjau Shakti Badhane Ka Achha Vikalp. Haryana Kheti. Year 55 No. 7. P 3. July 2022.
10. Kumar, Vinod 2022. Organic Farming- Prospects, Components & Organic Labelling. Land Bank Journal-Sept.2022.
11. Rani, V.; Yadav, V.P.S. and Gupta, R.B.2022. PoshanVatika Gheralu Star Par Khadya Suraksha Ka BehtarVikalp. *KhetiDuniya.* 6 14): 3.
12. Kumar, Vinod, Deswal, Ashok and Yadav, Vijaypal.2022.Raya ki Unnat Utpaadan Takneek. *Haryana Kheti*.55(11) :20&23.

III. Abstract published in Compendium of Conferences:

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IV Leaflets/Pamphlets:

1. Rani, Varsha; Yadav, V.P.S. and Deswal, A.K.2022.Shatavari se bane VyanjanDoodhpilanewaliMataon keliye SarvotamVikalp.CCSHAUKVK Faridabad. Pp 1-4.
2. Rani, Varsha; Yadav, V.P.S. and Deswal, A.K.2022.Swasthy se BharpoorSahjankeUtpaadon kePaushtikVyanjan. CCSHAU KVK Faridabad. Pp1-4.
3. Rani, Varsha; Yadav, V.P.S. and Rajender Kumar (2022). Jowar, Bajra aurRagi ka PaushanMahtav evmMulyasanwardhitUtpaad.CCSHAU KVK Faridabad. Pp 1-4.
4. Rani, Varsha; Yadav, V.P.S.and Rajender Kumar 2022.Moong kiDaalkePaustik evmSwadishtVyanjan.CCSHAU KVK Faridabad.Pp 1-4.

V. Radio Talk:

1. Kumar, Vinod.Radio Talk on. "Water Conservation Technologies in Agriculture", Manav Rachna Radio Station, Faridabadbroadcastedon 06.7.2022.
2. Deswal, A.K. "KrishiVaniki Hetu Parmukh Vriksh aur Unki Upyogita". All India Radio, Rohtak in Krishi Jagat Programme broadcasted at on 25.09.2022
3. Kumar, Vinod.Radio Talk on, "Krishi Me Jal Bachat", Manav Rachna Radio Station, Faridabadbroadcasted on30.09.2022.
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CHAPTER –VI

VISUALS AND PHOTOGRAPHS

Farmers Trainings

VISUALS AND PHOTOGRAPHS

Trainings for Extension Personnel

VISUALS AND PHOTOGRAPHS

Vocational Trainings

VISUALS AND PHOTOGRAPHS

Field Day on Mustard at village Mohna on 05.03.2022

Field day on Summer Green gram at village Chirsi on 29.06.2022

Plantation Campaign (July-August,2022)

Parthenium Eradication-cum-Awareness Week/Campaign (16-22.08.2022)

VISUALS AND PHOTOGRAPHS

Kisan Gosthi on production technology of Kharif crops

Soil Testing Campaign

VISUALS AND PHOTOGRAPHS
Method Demonstrations

VISUALS AND PHOTOGRAPHS

KVK Scientists Fields Visit

VISUALS AND PHOTOGRAPHS

Activities under Jal Shakti

Activities under Swachh Bharat Abhiyan Programme

CHAPTER –VII

VISITS OF IMPORTANT PERSONS

Sh. Jitender Yadav, Honorable Deputy Commissinor, Faridabad, , Inaugrating the Kisan Mela Under Natural Farming at KVK Faridabad on 24.04.2022.

Dr. Balwan Singh Mandal, Honorable Director of Extension Education , CCSHAU, Hisar chaired the SAC Meeting of KVK Faridabad held on 21.07.2022. at KVK Faridabad

Sh. Sukhbir Singh Malerna , Honorable President BJP Kisan Morcha Faridabad, , Flag off Jagrukta Tirnga Rally and planted a Neem sapling at KVK Faridabad on 12.08.2022.

VISITS OF IMPORTANT PERSONS

Sh. Vinod Chaudhary, Honorable Chairman Zila Parishad Faridabad, delivering his message in Paushan Abhiyan and Tree plantation programme at KVK Faridabad on 17.09.2022

Sh. Vinod Chaudhary, Honorable Chairman Zila Parishad Faridabad, delivering his message in P.M Kisan Sammelan at KVK Faridabad on 17.10.2022.

VISITS OF IMPORTANT PERSONS

Professor B.R. Kamboj, Worthy Vice Chancellor, CCSHAU, Hisar Chief guest in the Kisan Mela Under Natural Farming at village Arua,Faridabad on 12.01.2023

CHAPTER-VIII
NEWS COVERAGE

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राष्ट्रीय राजधानी क्षेत्र

प्राकृतिक खेती समय की मांग: कांबोज

देवेंद्र भाटी

कृषि मेले का अवलोकन करते हुए। आज समाज

हाड़ौती अधिकार
(हिन्दी दैनिक)
शनिवार, 14 जनवरी, 2023

प्राकृतिक खेती समय की मांग : डॉ. काम्बोज

कृषि विज्ञान केंद्र भोपानी में जिला स्तरीय किसान मेला आयोजित

राया खेत दिवस का किया आयोजन

किसानों को जागरूक करते हुए। आज समाज

तिगांव। चौ. चसि हरियाणा कृषि विश्वविद्यालय, हिसार से सम्बद्ध कृषि विज्ञान केंद्र भोपानी फरीदाबाद के कृषि वैज्ञानिको द्वारा सोमवार को गांव चिरसी में समूह अग्रिम पंक्ति प्रदर्शन योजना के अंतर्गत किसानों के खेतों पर लगाए गए राया फसल प्रदर्शनों का अवलोकन कर के अजय नंबरदार के खेत पर राया फसल खेत दिवस का आयोजन किया गया। इस योजना के प्रभारी डॉ. राजेंद्र कुमार ने बताया की इस योजना का मुख्य उद्देश्य फरीदाबाद जिले में राया फसल को बढ़ावा देने के लिए चुनिंदा गावों के किसानों के खेतो पर समूह अग्रिम पंक्ति प्रदर्शनों को लगवाना है। किसानों को वैज्ञानिक तकनीक से खेती करना सिखाना है तथा इन प्रदर्शनों के माध्यम से नई उन्नतशील किस्मों व फसल तकनीक का ज्यादा से ज्यादा फैलाव करना व किसानों मे लोक प्रिय बनाना है। इस अवसर डॉ. राजेंद्र कुमार ने बताया की इस योजना के तहत गांव चिरसी से चुने हुए किसानो को चौ. च सिंह हरियाणा कृषि विश्वविद्यालय हिसार द्वारा ईजाद की गयी राया फसल की नई उन्नतशील किस्म आर. एच- का बीज दिया गया तथा अन्य जरूरी तकनीकी सहायता जैसे जिंक खाद, रोग व कीट प्रबंधन प्रदान की गई। डॉ. विनोद कुमार ने राया फसल की उन्नत शस्य क्रियाओ के बारे में विस्तार पूर्वक बताया। केंद्र के अन्य कृषि वैज्ञानिक डॉ. अशोक कुमार देशवाल की खेत दिवस के आयोजन में विशेष भूमिका रही।

ग्रीष्मकालीन मूंग खेत दिवस आयोजन में किसानों को गिनाएं गए फायदें

देवेंद्र भाटी

चौपाली में किसानों मूंग की फसल बारे जानकारी देते हुए। आज समाज

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कृषि व किसान कल्याण के लिए कृषि विज्ञान केंद्र अग्रणी स्तम्भ: डॉ. बलवान सिंह मंडल

आज समाज नेटवर्क

रिपोर्ट प्रस्तुत करते डॉ. विजयपाल सिंह यादव।

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आज समाज नेटवर्क

कुलदीप कौशिक को सम्मानित करते हुए। आज समाज

NEWS COVERAGE

आज समाज
राष्ट्रीय राजधानी क्षेत्र

केंद्रीय मंत्री ने महिलाओं को दिया पोषण वाटिका अपनाने का संदेश

फसलों में नैनो यूरिया का करें प्रयोग: कृषिमंत्री नरेंद्र सिंह तोमर

आज समाज नेटवर्क

हिसार। चौधरी चरण सिंह हरियाणा कृषि विश्वविद्यालय हिसार के कृषि विज्ञान केंद्र भूपानी फरीदाबाद द्वारा अपने परिसर पर किसानों, ग्रामीण महिलाओं, आंगनवाड़ी कार्यकर्ताओं के लिए पोषण वाटिका अभियान व पौधारोपण कार्यक्रम का आयोजन किया गया। जिसमें लगभग 100 से अधिक ग्रामीण महिलाओं व आंगनवाड़ी कार्यकर्ताओं ने भाग लिया। पोषण वाटिका अभियान व पौधारोपण कार्यक्रम का उद्घाटन केंद्रीय कृषि एवं किसान कल्याण मंत्री नरेंद्र सिंह तोमर ने किया। उन्होंने उपस्थित किसानों, महिलाओं को एक पिटारा के जरिए पोषण वाटिका अपनाने का संदेश दिया व फसलों में नैनो यूरिया का प्रयोग करने का आह्वान किया। यह कार्यक्रम कृषि विज्ञान केंद्र, भूपानी फरीदाबाद व इफको फलपल्वन फरीदाबाद के संयुक्त तत्वाधान में किया गया। कार्यक्रम में मुख्य अतिथि के तौर पर निर्मलसाल फरीदाबाद जिला परिषद चेयरमैन विनोद चौधरी मौजूद रहे।

कार्यक्रम की अध्यक्षता रोहताश कुमार, मुख्य कृषि प्रसार इफको फलपल्वन ने की। मुख्य अतिथि विनोद

महिलाओं को सम्मानित करते हुए। अराज समाज

चौधरी ने आंगनवाड़ी कार्यकर्ताओं, किसानों व कृषक महिलाओं से आह्वान किया जी, ये संतुलित भोजन से ही कुपोषण से छुटकारा पा सकती हैं तथा सभी सम्मिलन पाने के लिए इन्हें अपनी वाटिका में उगाएं। केंद्र के वरिष्ठ समन्वयक डॉ. विजयपाल यादव ने स्वागत किया। कहा की महिलाएं अपने भोजन में अपने खेत खलिहान व घरों में उगाई गई सब्जियों को शामिल करें। पोषण वाटिका में महिलाएं सारा साल सब्जी वाली व फलदार पौधे लगा सकती हैं। केंद्र के वैज्ञानिकों ने महिलाएं को पोषण सब्जी वाटिका लगाने के लिए तकनीकी जानकारी दी तथा अनुदेय किया कि वे गृह वाटिका से स्वयंसिद्ध और जानकारी ले गृह वाटिका से वे प्राप्त कर सकती हैं। केंद्र के वैज्ञानिकों विशेषज्ञ डॉ. आरती गुप्ता द्वारा महिलाओं को पोषण गृह वाटिका लगाने के लिए जानकारी दी। डॉ. गुप्ता ने बताया कि अगर आपके पास घर में जगह नहीं है तो गमलों में भी सब्जी उगा सकते हैं।

इस केंद्र की गृह विज्ञान विभाग प्रभारी डॉ.वर्षा रानी ने आह्वान किया की घर में परिवार के सभी सदस्यों को सम्पूर्ण पोषण आहार की जिम्मेदारी महिलाओं के कंधों पर होती है। उन्होंने साथ ही साथ महिलाओं को पोषण थाली की महत्ता पर विशेष जानकारी दी। डॉ. वर्षा रानी ने महिलाओं को रोगप्रतीरोध व खाजरा के मूल्य संवर्धन द्वारा तैयार उत्पादों व अंकुरित चनों के फायदे के बारे में भी बताया। केंद्र के वरिष्ठ कृषि वानिकी वैज्ञानिक डॉ. अशोक कुमार पैदावार ने भाग लेने वाले किसानों, नव युवकों व महिलाओं को मेड़ पर पेड़-पौधे लगाने,पेड़ों को संरक्षित करने, हरे पेड़ न काटने, जैसी चीजों के लिए जागरूक किया तथा कृषि वानिकी अपनाने संबंधी तकनीकी जानकारी विस्तारपूर्वक दी।

कार्यक्रम में प्रतिभागियों को घरों में पोषण सब्जी वाटिका लगाने के लिए इफको फलपल्वन द्वारा सब्जी पैकेट्स भी उपलब्ध करवाए गए। इस अवसर पर इफको फरीदाबाद रोहताश ने खेती व गृह वाटिका के लिए वानिकिक खादों में इफको लरल एवं यानेदार सागरिका, जैविक उर्वरक व वानिकिक किट के बारे में विस्तृत जानकारी दी। इस कार्यक्रम के सफल आयोजन में केंद्र के सरल वैज्ञानिकों डॉ विनोद कुमार, डॉ. सुरेंद्र सिरसल, डॉ. जेएन यादव, सहित व राकुल राणा इफको फलपल्वन-फरीदाबाद व महिला एवं बाल विकास विभाग, फरीदाबाद का विशेष सहयोग रहा।

नए अविष्कारों से किसानों को कराया रूबरू

भारतीय कृषि अनुसंधान परिषद के स्थापना दिवस पर हुई किसान गोष्ठी

गुलाब सिंह ▶▶ अधिकार संवाददाता

फरीदाबाद, 16 जुलाई। आज चौधरी चरण सिंह हरियाणा कृषि विश्वविद्यालय हिसार के कृषि विज्ञान केन्द्र, भोपानी द्वारा केन्द्र परिसर पर भारतीय कृषि अनुसंधान परिषद्केन्द्रों के स्थापना दिवस अवसर पर किसान गोष्ठी का आयोजन किया गया।

केन्द्र के प्रधान वैज्ञानिक डॉ. आर.सी गुप्ता ने उपस्थित किसानों व महिलाओं को बताया कि भारतीय कृषि अनुसंधान परिषद् का स्थापना दिवस हर साल 16 जुलाई को मनाया जाता है। इस दिन कृषि से जुड़े लोगों को जागरूक करने के लिए कई तरह के कार्यक्रम आयोजित किये जाते हैं। इन कार्यक्रमों के जरिये लोगों को कृषि से जुड़े विभिन्न विषयों के बारे में नवीनतम जानकारी दी जाती है ताकी किसान उसे प्राप्त करके अपने खेतों व खेती से जुड़े विभिन्न व्यवसायों में लाभ कर सके। किसान गोष्ठी में कार्यक्रम के प्रभारी तथा केंद्र के वरिष्ठ कृषि वानिकी वैज्ञानिक डा. अशोक कुमार देशवाल ने भाग लेने वाले किसानों, नवयुवकों व महिलाओं को मेड़ पर पेड़-पौधे लगाने, पेड़ों को संरक्षित करने, हरे पेड़ न काटने, जैसी चीजों के लिए, जागरूक किया तथा कृषि वानिकी अपनाने सम्बन्धी तकनीकी जानकारी विस्तारपूर्वक दी। इसके अतिरिक्त केंद्र के वरिष्ठ कृषि वैज्ञानिकों डॉ. राजेन्द्र कुमार व डॉ. विनोद कुमार ने पशु, बागवानी, ज्वार फसलों के उत्पादन, उनमे होने वाले खरपतवार व रोग के रोकथाम के लिए जानकारी दी।

स्थापना दिवस कार्यक्रम अवसर पर भारतीय कृषि अनुसंधान परिषद् नई दिल्ली से सम्मानित किसानों के वार्तालाप का लाइव प्रसारण सचुअल रूप से दिखाया भी गया ताकि इस कार्यक्रम को देखने वाले किसान इन किसानों द्वारा खेती में किये गए उन्नत अपनाकर खेती से अधिक मुनाफा ले सकें। इस कार्यक्रम को सफल बनाने में केंद्र के कृषि वैज्ञानिक डा. राजेन्द्र कुमार, डॉ. विनोद कुमार, डॉ. वर्षा रानी, डॉ. जे.एन. यादव व अन्य कर्मचारीगणों का योगदान रहा।

खबर एक्सप्रेस

महिला किसानों को बताएं आमदनी बढ़ाने के तरीके

हिसार। चौधरी चरण सिंह हरियाणा कृषि विश्वविद्यालय हिसार के कृषि विज्ञान केंद्र, भोपानी,फरीदाबाद द्वारा केन्द्र परिसर पर भारतीय कृषि अनुसंधान परिषद् के 94 वे स्थापना दिवस अवसर पर किसान गोष्ठी का आयोजन किया गया। केन्द्र के प्रधान वैज्ञानिक डॉक्टर आरती गुप्ता ने उपस्थित किसानों व महिलाओं को बताया की भारतीय कृषि अनुसंधान परिषद् का स्थापना दिवस हर साल 16 जुलाई को मनाया जाता है। इस दिन कृषि से जुड़े लोगों को जागरूक करने के लिए कई तरह के कार्यक्रम आयोजित किये जाते हैं। इन कार्यक्रमों के जरिये लोगों को कृषि से जुड़े विभिन्न विषयों के बारे में नवीनतम जानकारी दी जाती है ताकी किसान उसे प्राप्त करके अपने खेतों व खेती से जुड़े विभिन्न व्यवसायों में लाभ कर सके। किसान गोष्ठी में कार्यक्रम के प्रभारी तथा केंद्र के वरिष्ठ कृषि वानिकी वैज्ञानिक डा.अशोक कुमार देशवाल ने भाग लेने वाले किसानों, नव युवकों व महिलाओं को मेड़ पर पेड़-पौधे लगाने, पेड़ों को संरक्षित करने, हरे पेड़ न काटने, जैसी चीजों के लिए जागरूक किया तथा कृषि वानिकी अपनाने सम्बन्धी तकनीकी जानकारी विस्तारपूर्वक दी। इसके अतिरिक्त केंद्र के दूसरे कृषि वैज्ञानिकों डॉ. राजेन्द्र कुमार व डॉ. विनोद कुमार ने पशु, बागवानी, ज्वार फसलों के उत्पादन, उनमे होने वाले खरपतवार व रोग के रोकथाम के लिए जानकारी दी। इस अवसर पर किसानों, महिलाओं व के वी के वैज्ञानिकों द्वारा कृषि विज्ञान केन्द्र परिसर पर किसानो गोष्ठीयाम किया गया तथा कार्यक्रम मे भाग लेने वाले किसानो, नवयुवक, भोपानी, नयाबांसी, जोहरी कलां गांव के किसानो, नव युवकों व महिलाओं को पौधारोपण अभियान के अंतर्गत 50 पीपे मुफ्त मे बाटें गए ताकी वे इनको अपने घरो व खेती की मेड़ो पर लगा सके। स्थापना दिवस कार्यक्रम अवसर पर भारतीय कृषि अनुसंधान परिषद् नई दिल्ली की सम्मानित किसानों के वार्तालाप का लाइव प्रसारण सचुअल रूप से दिखाया भी गया ताकि इस कार्यक्रम को देखने वाले किसान इन किसानों द्वारा खेती में किये गए उन्नत अपनाकर खेती से अधिक मुनाफा ले सकें। पूरे देश में इस कार्यक्रम को देश भर के कृषि विज्ञान केन्द्रों पर लगभग दिखाया गया। कार्यक्रम के मुख्य अतिथि केंद्रीय कृषि मंत्री श्री नरेंद्र सिंह तोमर एवं उनके साथ केंद्र केंद्रीय राज्य मंत्री श्री पुरुषोत्तम जी ने भी किसानो को संबोधित किया।

आज समाज
राष्ट्रीय राजधानी क्षेत्र

कृषि विज्ञान केंद्र से निकाली किसान तिरंगा बाइक रैली

हिसार। चौधरी चरण सिंह हरियाणा कृषि विश्वविद्यालय हिसार में संचालित कृषि विज्ञान केंद्र, भोपानी, फरीदाबाद द्वारा चलाई जा रही आजादी के 75 वें अमृत महोत्सव अवसर पर 12 अगस्त को हर घर तिरंगा अभियान के अंतर्गत आजादका किसान तिरंगा बाइक रैली का आयोजन किया गया। कृषि विज्ञान केंद्र भोपानी के वरिष्ठ समन्वयक डॉ. विजयपाल यादव ने बताया की इस किसान बाइक रैली आयोजन का मुख्य उद्देश्य हर घर तिरंगा अभियान के अंतर्गत लोगों के दिलों में देशभक्ति की भावना को जगाना और कृषि पट्टी में राष्ट्रीय भाव के प्रति में वृद्धि करना था। साथ ही साथ इस तिरंगा बाइक रैली के जरिए लोगों के दिलों में पौधारोपण के महत्व को समझाना था। इस अवसर पर कृषि विज्ञान केंद्र भोपानी परिसर में पौधारोपण कार्यक्रम का भी आयोजन किया गया। इस तिरंगा बाइक रैली का शुभारंभ कृषि विज्ञान केंद्र भोपानी के वरिष्ठ वैज्ञानिक डॉ. अशोक कुमार देशवाल, डॉ. वर्षा रानी, डॉ. जे.एन. यादव व अन्य कर्मचारीगणों द्वारा हरी झंडी दिखा कर किया गया। इस अवसर पर कृषि विज्ञान केंद्र भोपानी के वैज्ञानिकों ने ग्रामीणों को कृषि से जुड़ी विभिन्न योजनाओं के बारे में जानकारी दी। इस अवसर पर कृषि विज्ञान केंद्र भोपानी के वैज्ञानिकों ने ग्रामीणों को कृषि से जुड़ी विभिन्न योजनाओं के बारे में जानकारी दी। इस अवसर पर कृषि विज्ञान केंद्र भोपानी के वैज्ञानिकों ने ग्रामीणों को कृषि से जुड़ी विभिन्न योजनाओं के बारे में जानकारी दी।

इसी दिशा कर केवीके फीस्से से सलम किया। इस रैली में सुखबीर मलेरना के साथ साथ फरीदाबाद डीजी शेप अध्यक्ष उदवर्ग वर्ग, अंकित कुमार, अध्यक्ष वीरो मंडल, तहा कुमार, जिला अर्कटी हंस, फरीदाबाद आदि ने भी भाग लिया तथा रैली को सफल बनाने में अपना योगदान दिया।

अंत योगदान दिया रैली का आयोजन कृषि विज्ञान केंद्र भोपानी के सलम गांव तक किया गया। जिसमें भोपानी ढाणी के ग्रामीणों ने बढ़-चढ़ कर हिस्सा लिया। इस रैली में विभिन्न गांवों के लगभग 150 से अधिक किसानों ने भाग लिया। इस रैली का समापन कृषि विज्ञान केंद्र भोपानी के परिसर में हुआ। इस रैली में विभिन्न गांवों से आए किसानों ने सुखबीर मलेरना के साथ साथ फरीदाबाद डी.पी. कोषाध्यक्ष उमकर्ष वर्ग, अंकित कुमार, अध्यक्ष वीरो मंडल, तहा कुमार, जिला अर्कटी हंस, फरीदाबाद आदि ने भी भाग लिया तथा रैली को सफल बनाने में अपना योगदान दिया। रैली का आयोजन कृषि विज्ञान केंद्र भोपानी के वैज्ञानिकों ने किसान गोष्ठी के दौरान किसानों को संबोधित करते हुए।

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कृषि विज्ञान केंद्र ने निकाली किसान तिरंगा बाइक रैली

▶▶ अधिकार संवाददाता

फरीदाबाद, 12 अगस्त। चौधरी चरण सिंह हरियाणा कृषि विश्वविद्यालय हिसार से सम्बद्ध कृषि विज्ञान केंद्र, भोपानी द्वारा भारत की आजादी के 75 वें अमृत महोत्सव अवसर पर आज हर घर तिरंगा अभियान के अंतर्गत जागरूकता किसान तिरंगा बाइक रैली का आयोजन किया गया।

कृषि विज्ञान केंद्र,भोपानी के वरिष्ठ समन्वयक डॉ विजयपाल यादव ने बताया की इस किसान बाइक रैली आयोजन का मुख्य उद्देश्य हर घर तिरंगा अभियान के अंतर्गत लोगों के दिलों में देशभक्ति की भावना को जगाना और कृषि पट्टी में राष्ट्रीय भाव के प्रति में वृद्धि करना था। साथ ही साथ इस तिरंगा बाइक रैली के जरिए लोगों के दिलों में पौधारोपण के महत्व को समझाना था। इस अवसर पर कृषि विज्ञान केंद्र भोपानी परिसर में पौधारोपण कार्यक्रम का भी आयोजन किया गया। इस तिरंगा बाइक रैली का शुभारंभ कृषि विज्ञान केंद्र भोपानी के वरिष्ठ वैज्ञानिक डॉ विजयपाल यादव, डॉ. वर्षा रानी, डॉ. जे.एन. यादव व अन्य कर्मचारीगणों द्वारा हरी झंडी दिखा कर किया गया। इस अवसर पर कृषि विज्ञान केंद्र भोपानी के वैज्ञानिकों ने ग्रामीणों को कृषि से जुड़ी विभिन्न योजनाओं के बारे में जानकारी दी। इस अवसर पर कृषि विज्ञान केंद्र भोपानी के वैज्ञानिकों ने ग्रामीणों को कृषि से जुड़ी विभिन्न योजनाओं के बारे में जानकारी दी।

था ताकि वे तिरंगे के इतिहास को जान सके। इस रैली में विशिष्ट अतिथि के रूप में शामिल हुए किसान नेता सुखबीर मलेरना जिला अध्यक्ष, किसान मोर्चा द्वारा हरी झंडी दिखाकर के.वी.के. परिसर से रवाना किया। इस रैली में सुखबीर मलेरना के साथ-साथ फरीदाबाद बी.डी.पी. कोषाध्यक्ष उमकर्ष वर्ग, अंकित कुमार, अध्यक्ष वीरो मंडल, तहा कुमार, जिला आई.टी. हेड आदि ने भी भाग लिया तथा रैली को सफल बनाने में अपना योगदान दिया। रैली का आयोजन कृषि विज्ञान केंद्र भोपानी के वैज्ञानिकों ने किसान गोष्ठी के दौरान किसानों को संबोधित करते हुए।

आज समाज
राष्ट्रीय राजधानी क्षेत्र

ग्रामीणों को 1500 पौधे वितरित किए

आज समाज नेटवर्क

हिसार। चौधरी चरण सिंह हरियाणा कृषि विश्वविद्यालय कृषि विज्ञान केन्द्र, फरीदाबाद द्वारा गांव तातपुर की प्रधिमक पाठशाला में वन महोत्सव एवं पौधारोपण का आयोजन किया गया। वन महोत्सव कार्यक्रम में केंद्र के वरिष्ठ समंवेलक डॉ. विजयपाल यादव ने उपस्थित विद्यार्थियों, किसानों व महिलाओं को बताया की पेड़ व पौधों का हमारे जीवन में बड़ा ही महत्व है।

इससे हमें प्राणवायु आक्सीजन, छाया, ईंधन व खाने के लिए फल व फल इत्यादि की प्राप्ति होती है। कुछ पेड़ जैसे जाटी इत्यादि से हमारी लिए जानी की उपाकार प्राप्ति बहुत में योगदान देते है। ऐसे पेड़ों को किसा भाइयों को खेत में अवश्य लगना चाहिए। पौधारोपण के लिए जुलाई-अगस्त का महीना उत्तम माना गया है। वन महोत्सव के प्रभारी तथा केंद्र के वरिष्ठ कृषि से जुड़े विभिन्न विषयों के बारे में नवीनतम जानकारी दी जाती है ताकी किसान उसे प्राप्त करके अपने खेतों व खेती से जुड़े विभिन्न व्यवसायों में लाभ कर सके। केंद्र के वरिष्ठ कृषि वानिकी वैज्ञानिक डा. अशोक कुमार देशवाल ने भाग लेने वाले किसानों, नवयुवकों व महिलाओं को मेड़ पर पेड़-पौधे लगाने, पेड़ों को संरक्षित करने, हरे पेड़ न काटने, जैसी चीजों के लिए जागरूक किया तथा कृषि वानिकी अपनाने सम्बन्धी तकनीकी जानकारी विस्तारपूर्वक दी। इसके अतिरिक्त केंद्र के वरिष्ठ कृषि वैज्ञानिकों डा. राजेन्द्र कुमार व डॉ. विनोद कुमार ने पशु, बागवानी, ज्वार फसलों के उत्पादन, उनमे होने वाले खरपतवार व रोग के रोकथाम के लिए जानकारी दी।

तातपुर की प्रधिमक पाठशाला में पौधरोपण करते हुए।

स्थापना दिवस कार्यक्रम अवसर पर भारतीय कृषि अनुसंधान परिषद् नई दिल्ली से सम्मानित किसानों के वार्तालाप का लाइव प्रसारण सचुअल रूप से दिखाया भी गया ताकि इस कार्यक्रम को देखने वाले किसान इन किसानों द्वारा खेती में किये गए उन्नत अपनाकर खेती से अधिक मुनाफा ले सकें। इस कार्यक्रम को सफल बनाने में केंद्र के कृषि वैज्ञानिक डा. राजेन्द्र कुमार, डॉ. विनोद कुमार, डॉ. वर्षा रानी, डॉ. जे.एन. यादव व अन्य कर्मचारीगणों का योगदान रहा।

आज समाज
राष्ट्रीय राजधानी क्षेत्र

गाजर घास उन्मूलन में सभी की भागीदारी अहम: डॉ. यादव

आज समाज नेटवर्क

हिसार। चौधरी चरण सिंह हरियाणा कृषि विश्वविद्यालय हिसार के सम्बद्ध कृषि विज्ञान केंद्र, भोपानी, फरीदाबाद केंद्र द्वारा भगतवास की गाजर घास उन्मूलन अभियान एवं जागरूकता अभियान 16 से 22 अगस्त 2022 तक चौधरी चरण सिंह हरियाणा कृषि विश्वविद्यालय, हिसार के निदेशक शिक्षा निदेशालय के दिशा निर्देशन में केंद्र परिसर तथा तातपुर, मंडलकलां, मालपुर सैद, पिसरली व जसाना आदि गांवों में चलाया गया। केंद्र के वरिष्ठ वैज्ञानिक डॉ. विजयपाल सिंह यादव ने बताया की भारत में भी जगह जगह ये खरपतवार फैला हुआ है। इसके प्रभाव के कारण फसल उत्पादन में लगभग 40 प्रतिशत की कमी आती है। इसके अलावा इससे मनुष्य और पशुओं में निम्नित प्रकार की बीमारियां जैसे दमा, एलर्जी, खुजली, सफेदी के रोग खुजार आदि भी सम्भवें हैं। इसे पशु भी नहीं खाते और अगर खा लें तो पशुओं को दूध कमीला हो जाता है। इसलिए इस खरपतवार को अधिक फैलाने से रोकने के लिए शुरुआत से ही इसका जागरूक होने की इसे नियंत्रण करने का प्रयास करना चाहिए। उन्होंने किसानों, महिलाओं, विद्यार्थियों व अन्य गोष्ठीयों से आह्वान किया की वे कृषि विज्ञान केंद्र, भोपानी, पठशाला तातपुर के मुख्य अध्यापक देवेंदर सिंह एवं गांव तातपुर के सरपंच, राजपाल, लखपाल के साथ लगभग 50 किसानों, विद्यार्थियों व महिलाओं ने भाग लिया। वन महोत्सव के अलावा चौधरी चरण सिंह हरियाणा कृषि विश्वविद्यालय, हिसार के निस्तर शिक्षा निदेशालय के दिशा निर्देशन में कृषि विज्ञान केंद्र द्वारा तुलाई व अगस्त महीनें के दौरान पौधारोपण अभियान चलाया गया जिसके अंतर्गत विज्ञान केन्द्र परिसर में तथा विभिन्न गांवों चौरसी, तातपुर, भोपानी, नायाली, महालपुर, मदरपुर सैद, मंडलकलां में लगभग 1500 पौधे वितरित किये तथा किसानों से संपर्क करके उनका पौधारोपण करवाया गया। वह पौधारोपण अभियान वन विभाग, फरीदाबाद के सहयोग से किया गया। इस पौधारोपण अभियान कार्यक्रम को सफल बनाने में केंद्र के कृषि वैज्ञानिकों डॉ. राम पाल गुप्ता, डॉ. राजेन्द्र कुमार, डॉ. विनोद कुमार, डॉ वर्षा रानी, व अन्य कार्यकारी डॉ. जेएन यादव व डॉ सुरेंद्र सिसल का योगदान रहा।

गाजर घास को हटाते हुए किसान, महिलाएं व कृषि विभाग के अधिकारी।

कृषि व संबंधित विषयों के महत्वीय से इस रोहताश को अच्छे से प्रचार कर सकते हैं तथा इसके जरिए वैज्ञानिक भी अच्छा जा सकता है। इस अवसर पर कृषि विज्ञान केंद्र के वरिष्ठ वैज्ञानिक डॉ. राजेंद्र कुमार ने किसानों को गाजर घास से होने वाली विभिन्न समस्याओं के अलावा बताया गया तथा आह्वान किया कि अपने खेतों की मेड़ पर उगे हुए गाजर घास को उखाड़ फेंके।

इस अवसर पर कृषि विज्ञान केन्द्र में कार्यरत अन्य वरिष्ठ वैज्ञानिक डॉ. विनोद कुमार ने बताया की इसका नियंत्रण गाजर घास के पौधे पर फूल आने से पहले ही उखाड़ फेंक देना चाहिए। डॉ. विनोद कुमार ने गाजर घास के रासायनिक प्रबंधन की जानकारी देते हुए बताया की इस खरपतवार को शाकनाशियों जैसे 2-4- डी (1 से 1.5 प्रतिशत) 2,5 मिली लीटर पानी को प्रति लीटर पानी में मिलाकर छिड़काव से करना चाहिए। इसके अलावा ग्लाइफोसेट (1 से 1.5 प्रतिशत) 6 मिली लीटर पानी को प्रति लीटर पानी में मिलाकर छिड़काव से भी नियंत्रित किया जा सकता है। इसके अलावा घास को इस खरपतवार को फैलने से रोकने के लिए फसल रहित खेत में भी करें।

किसान भाई गाजर घास से सम्बन्धित अधिक जानकारी हेतु कृषि विज्ञान केंद्र, भोपानी के कृषि वैज्ञानिकों कृषि एवं किसान कल्याण विभाग, फरीदाबाद से भी संपर्क कर सकते हैं। इस अवसर पर गाजर घास उन्मूलन जागरूकता अभियान में केंद्र के अन्य वैज्ञानिकों डॉ. अतरी सुरा, डॉ. अनिल कुमार देशवाल, डॉ. वर्षा रानी, डॉ. जगतारायण यादव व अन्य कार्यकारियों का भी सहयोग रहा।