ANNUAL PROGRESS REPORT

January to December

Krishi Vigyan Kendra
Ganpat University

Mehsana-Gozaria highway, Ganpat Vidyanagar-384012
Ta & Dist - Mehsana, Gujarat
- 7778033471, web: kvkmehsana.org
Email - kvkmehsana@ganpatuniversity.ac.in, kvkmehsana@gmail.com

Annual Progress Report - 2024

Krishi Vigyan Kendra,
Ganpat University
Ganpat Vidyanagar-384012
Ta & Dist - Mehsana,Gujarat

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ICAR-ATARI, Pune

DETAILS OF ANNUAL PROGRESS REPORT OF KVKs DURING 2024

(1st Jan.2024 to 31st Dec. 2024)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address with PIN code	Telephone		E mail	Website address & No. of visitors (hits)
Krishi Vigyan Kendra, Ganpat University, Mehsana District Education Foundation, Mehsana-Gozaria Highway, Ganpat Vidyanagar-384012, Gujarat.	**Office** Mo. 07778033471	**Fax** -	kvkmehsana@gmail.com kvkmehsana@ganpatuniversity.ac.in	www.kvkmehsana.org 24321

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

Address	Telephone		E mail	Website address
	Office	**Fax**		
Mehsana District Education Foundation, Mehsana-Gozaria Highway, Ganpat Vidyanagar -384012, Gujarat	(02762) 286080, 286924, 286895, 289207	(02762) 286924	info**@**ganpatuniversity.ac.in**,** director.mdef@ ganpatuniversity.ac.in	www**.**ganpatuniversity**.**ac**.**in

1.3. Name of the Senior Scientist and Head with phone & mobile no.

Name	Telephone / Contact		
	Office	**Mobile**	**Email**
Dr. R. A. Patel	7778033471	094276 92805	rapatel_2003@rediffmail.com

1.4. Year of sanction: 2005

1.5. Staff Position (as on Dec, 2024)

Sl. No.	Sanctioned post	Name of the incumbent	Mobile No	Discipline	If Permanent, Please indicate			If Temporary, pl. indicate the consolidated amount paid (Rs./month)
					Current Pay Band	Level	Date of joining	
1.	Senior Scientist and Head	Dr.R.A.Patel	9427692805	Plant Protection	156900	13A	14-12-2018	-
2.	Subject Matter Specialist	Dr.S.M.Soni	9228332681	Animal Husbandry	96600	11	23-01-2006	-
3.	Subject Matter Specialist	Shri.B.K.Patel	9879820818	Crop production	102500	11	17-02-2006	-
4.	Subject Matter Specialist	Shri.M.R.Patel	8511221158	Extension Education	80900	10	09-04-2012	-
5.	Subject Matter Specialist	Mrs.Babita Ramniwas	9157695573	Home Science	73200	10	07-07-2015	-
6.	Subject Matter Specialist	Shri.R.A.Kachhadia	9428989555	Agricultural Engineering	73200	10	07-07-2015	-
7.	Subject Matter Specialist	Smt. R.G.Barad	7698763363	Horticulture	57800	10	04-10-2023	-
8.	Programme Assistant	Ku.R.R.Patel	9427650382	Home Science	60400	6	29-08-2009	-
9.	Computer Programmer	Shri.A.D.Patel	9824479651	-	66000	7	29-05-2006	-
10.	Farm Manager	-		-	-			-
11.	Accountant/Superintendent	Shri.J.M.Patel	9924418019	-	60400	6	01-09-2009	-
12.	Stenographer	Shri.G.C.Rathod	9904244617	-	45400	5	01-06-2006	-
13.	Driver 1	Shri.K.G.Patel	9909842861	-	37500	4	25-09-2006	-
14.	Driver 2	Shri H.J.Patel	7383758118	-	22400	3	26-12-2023	-
15.	Supporting staff 1	Shri.M.H.Patel	9426235880	-	33000	2	18-05-2006	-
16.	Supporting staff 2	Shri.S.M.Patel	9426235879	-	33000	2	18-05-2006	-

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	4.17
2.	Under Demonstration Units	1.00
3.	Under Crops	3.00
4.	Horticulture	11.00
5.	Pond	0.95
6.	Others if any	00.00
	Total	20.12

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	31/03/2008	550	4017138			
2	Farmers Hostel	ICAR	17/04/2008	305.00	5657018			
3.	Staff Quarters (6)	ICAR	17/04/2008	397.50	4719570			
4.	Demo Units Vermicompost Unit	ICAR	31/03/2008	80	319000			
5	Fencing	-	-	-	-			
6	Rain Water harvesting system	-	-	-	-			
7	Threshing floor	ICAR	01/03/2007	225	122270			
8	Farm godown	ICAR	31/03/2008	60	410000			
9	ICT Lab.	-	-	-	-			
10	Implement Shed	ICAR	31/01/2012	80	300000			
11	Technology Information Unit	ICAR	31/03/2017	-	496176			
12	Azolla Unit	Revolving fund	31/03/2016	30	30,000			
13	Implement Shed Extension	Revolving fund	27/12/2016	-	337068			
14	Automatic jivamrut unit (Biofertilizer unit)	Revolving fund	31/01/2018	50	1,50,000			
15	Micro Irrigation system	Revolving fund	31/01/2018	-	1,30,000			
16	Nadep compost	ICAR	31/03/2019	40	22500			
17	Hydroponics Unit	Revolving fund	31/03/2019	-	5000			
18	Green House unit	Revolving fund	31/03/2019	-	50000			
19	Kitchen Garden	Revolving fund	31/03/2019	-	13985			
20	Gobar/Bio-gas unit	-	01/12/2019	-	-			
21	Nadep Compost Unit (Extension)	Revolving fund	16/10/2019	-	31242			
22	Vermicompost Unit Extension	Revolving fund	03/09/2021	-	281942			
23	Multi purpose shed	Revolving fund	27/05/2022	-	287410			
24	Biopesticide Unit	Revolving fund	27/05/2022	-	-			

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Mahindra Bolero	2024	900,000/-	10203	Very Good
Massey tractor with trolley (Host institute)	23/06/2004	3,50,000/-	14327 hr	Very poor
Motor cycle	13/10/2011	50,000/-	20354	Good

C) Equipments& AV aids

Name of the equipment / Implements	Year of purchase	Cost (Rs.)	Present status
-	--	-	-

1.8. Details SAC meeting conducted in the year

Sl.No.	Date	Name and Designation of Participants	Salient Recommendations	Action taken
1	13/02/2024	1. Shri Ganpatbhai I. Patel,Chairman and Managing Trustee, MDEF, Ganpat University 2. Shri Somabhai K. Rayka,Director, Krishi Vigyan Kendra 3. Dr.A.G. Patel, Director Extension Education, SDAU, S.K.Nagar 4. Shri K. S. Patel, Joint Director of Agriculture, Mehsana 5. Dr Maurvi Vasavada, Associate Executive Dean, Faculty of Agri & Allide Sciences, Ganpat University 6. Dr P. S. Patel, Associate Director of Education, SDAU, SK Nagar 7. Shri A. R. Chaudhary, Asst. Director of Agri, Mehsana 8. Shri Bhavin N. Patel, Asst. Director of Agri., Quality control, Mehsana 9. Shri Kanjibhai S. Patel, BOG Member, Ganpat University-KVK 10. Dr.M.D. Patel, Agriculture Officer (Wheat), WRC, SDAU, Vijapur 11. Shri L. K. Patel, Dy. Director Agriculture (Training) & Project Director, ATMA, Mehsana 12. Shri K. K. Patel, Representative of, Dy.Director of Horticulture, Dept. of Horticulture, Mehsana 13. Shri Rahul V. Patil, DDM, NABARD, Mehsana 14. Shri Rajubhai B. Patel, Programe coordinator, DSC, Visnagar 15. Shri Rajendra Bariya, LDM , Mehsana 16. Shri J. K. Patel, Branch Manager, GSSC,	To prepare demonstration plots of Datepalm and Dragon fruit on the farm of Krishi Vigyan Kendra.	Prepared on suitability of KVK farm land
			Increase the awareness of Aonla and Drumstick value addition for health benefits	Conducted 10 trainings on value addition and provided guidance to 286 farmers and farmwomen. 78 packets of Drumstick powder have been sold.
			To organize demonstrations of millet crops	25 front line demonstrations and 10 on farm trial were arranged.
			To provide technical guidance as required in villages adopted as natural farming by line department	5 training programs on natural farming, 2 awareness programs, 11 method demonstrations and lectures delivered in 20 programs and technical guidance provided to 8008 farmers and farmwomen at KVK.
			To add farmers database of ATMA project to Kisan Sarathi portal so that farmers can get timely technical guidance	A database of 23128 farmers has been uploaded in the Kisan Sarathi portal.
			To arrange video conference time to time for provide technical guidance to the farmers regarding agriculture.	Through videos, NEWS 18, GSTV, YouTube and daily newspapers, total 45 programs have been conducted to provide guidance on agriculture and animal husbandry.
			To provide technical guidance of agriculture and allied sectore to adopted villages of GNFC in Mehsana district	Provided technical guidance on agriculture and allied sectore in three programmes arranged by GNFC
			Due to scarcity of water and deep water table in Mehsana district, efforts should be made to increase the adoption of micro irrigation system.	5 training programs and 2 awareness programs have been conducted on micro irrigation system.

		Mehsana 17. Shri D. N. Patel, Fisheries Officer, Dept. of Fisheries, Mehsana 18. Shri Rohan Brahmbhatt, District Manager, GNFC, Mehsana 19. Smt Sarojben B Patel, Progressive Farmer, Motidau, Ta.Mehsana 20. Smt Jamiben N Chaudhary, Progressive Farmer, Malarpura, Ta.Kheralu 21. Shri Vijaybhai A. Patel,Progressive Farmer, Khavad, Tal.Kadi 22. Smt.Jalpa G Rohidiya, CDPO, ICDS, Mehsana 23. Dr.B D. Amin, Assit. Director of AH, Mehsana 24. Dr.R.A. Patel,Sr.Scientist & Head, KVK, Mehsana	To aware the rural farmers for village cleanliness to sustain rural health and environment	Under the swacchta abhiyan mission, 63 programs have been conducted in different villages. In which total 3120 farmers and farmwomen participated.
			To disseminate the Ghan Jivmrut technology	Provided technical guidance of preparation of Ghan Jivamrut to 8008 farmers and farmwomen at KVK

2. DETAILS OF DISTRICT / JURISDICTION AREA OF KVK

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

S. No	Farming system/enterprise
1	Pulses – Mustard /Wheat/Potato
2	Groundnut/Cotton – Wheat/Cumin – Summer Pearl millet
3	Castor
4	Cotton / Pearl millet – Tobacco
5	Pulses – Wheat / Mustard – Sorghum /Summer Pearl millet
6	Fennel
7	Pulses - Fennel

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

a) Soil type

Sl. No.	Agro-climatic Zone	Characteristics
1	IV (North Gujarat)	Semi arid and subtropical

b) Topography

S. No.	Agro ecological situation	Characteristics
1	Alluvial sandy soils with medium rain fall	Sandy and loamy sand
2	Alluvial sandy soils with low rain fall	Sandy loam
3	Alluvial sandy loam soils with medium rain fall	Sandy loam
4	Medium black ill-drained soils with medium rainfall	Sandy, Clay loam and clay

2.3 Soil Types

S. No	Soil type	Characteristics	Area in ha
1	Medium black	Medium water holding capacity, Medium permeability	64500
2	Sandy loam	Retain more water and nutrient than sandy soil and black soil	259700
3	Sandy	Low water holding capacity High permeability	28900
4	Saline / salt affected	Salt accumulate on soil surface, Water logging condition, Crack formation during summer season It contain excess neutral soluble salts chiefly chlorides and sulphate of Na, Mg and Ca	81900
	Total		435000

2.4. Area, Production and Productivity of major crops cultivated in the district (estimates)
(Area: "00" ha, Prod. : "00" MT, Yield : kg/ha)

SR. No.	Crops	2019-20			2020-21			2021-22			2022-23		
		AREA	PROD.	YIELD	AREA	PROD.	YIELD	AREA	PROD.	YIELD	AREA	PROD.	YIELD
1	Rice Irrigated	40.30	78.53	1948.53	55.01	120.51	2190.67	51.79	118.56	2289.33	53.37	120.92	2265.62
	Rice summer	1.70	5.01	2949.67	1.73	5.19	2999.01	1.89	5.53	2923.99	2.01	5.91	2935.28
2	Bajara Kharif	30.15	51.50	1708.25	35.16	41.16	1170.68	34.02	60.98	1792.50	32.32	50.07	1549.11
	Bajara summer	104.25	338.58	3247.79	103.16	273.29	2649.19	90.16	276.41	3065.80	103.56	302.31	2919.21
3	Maize kharif	1.97	2.95	1497.34	3.63	5.52	1520.85	3.10	6.04	1949.53	3.34	5.95	1780.01
	Maize rabi	0.80	1.82	2276.00	0.65	1.48	2273.01	2.05	5.19	2529.81	1.60	4.14	2590.38
4	Moong kharif	19.76	7.66	387.60	21.41	8.82	412.04	27.27	10.34	379.00	24.98	11.51	460.87
	Moong Summer	2.73	2.85	1044.95	2.05	2.35	1147.78	1.76	2.33	1324.79	1.81	2.19	1211.79
5	Math kharif	3.35	1.55	461.82	6.18	3.22	521.46	5.49	2.42	440.62	5.24	2.56	488.06
6	Udad kharif	71.92	32.98	458.52	109.75	64.91	591.45	190.20	76.70	403.25	137.12	70.01	510.58
	Udad summer	0.00	0.00	0.00	0.02	0.02	900.00	0.00	0.00	0.00	0.02	0.02	900.00
7	Tur kharif	0.20	0.20	990.54	0.92	1.09	1185.81	1.29	1.50	1159.84	0.89	1.04	1169.33
8	Groundnut kharif	139.79	390.09	2790.51	241.93	783.58	3238.86	217.03	661.20	3046.59	224.11	680.77	3037.61
	Groundnut summer	20.49	50.12	2446.30	18.68	38.11	2040.00	12.77	28.29	2215.00	13.85	29.83	2154.21
9	Castor	977.76	2336.69	2389.84	813.95	1960.38	2408.48	828.58	2049.85	2473.93	841.19	2066.63	2456.79
10	Sesamum kharif	16.58	7.21	434.77	17.60	4.00	227.00	18.41	6.09	330.56	16.62	5.77	347.22
	Summer	5.36	2.95	550.00	3.50	1.75	500.00	7.13	3.85	540.00	4.94	3.06	618.35
11	Soyabean	0.00	0.00	0.00	0.25	0.34	1357.46	0.32	0.52	1630.69	0.90	1.48	1645.78
12	Cotton irrigated	382.06	1225.85	545.45	356.02	1372.85	655.54	322.46	1208.21	636.97	353.26	1380.50	664.33
13	Tobacco kharif	0.50	0.98	1965.67	0.08	0.16	2054.18	0.00	0.00	0.00	0.08	0.16	2054.18
	Tobaco rabi	162.00	562.25	3470.65	179.10	608.36	3396.78	180.62	618.50	3424.29	172.38	563.95	3271.54
14	Guar	138.80	99.39	716.06	137.05	123.84	903.61	122.50	99.32	810.81	117.67	103.07	875.99
15	Wheat irrigated	686.29	2379.13	3466.65	717.51	2432.16	3389.73	681.27	2243.28	3292.80	689.19	2265.01	3286.50
16	Gram	0.80	1.82	2276.00	0.65	1.48	2273.01	11.35	21.65	1907.62	9.98	17.97	1801.64
17	Mustard	126.78	245.00	1932.47	153.34	299.77	1954.93	219.35	468.37	2135.26	205.52	407.92	1984.84

Source :www.agri.gujarat.gov.in

Area, production and productivity of Horticultural crops (2022-23)

Crop	Area (ha)	Production (MT)	Productivity (Mt/ha)
Mango	1050	5460	5.20
Chiku	1040	9880	9.50
Citrus	13400	180900	13.50
Ber	1700	17000	10.00
Guava	900	9000	10.00
Pomegranate	740	8880	12.00
Date palm	18	90	5.00
Papaya	530	27560	52.00
Custard apple	75	578	7.70
Aonla	1240	10540	8.50
Potato	10430	302470	29.00
Sweet potato	150	2250	15.00
Onion	206	4326	21.00
Brinjal	3040	50160	16.50
Cabbage	2025	36450	18.00
Okra	2190	28470	13.00
Tomato	6230	194688	31.25
Cauliflower	1950	39000	20.00
Watermelon	575	12650	22.00
Clusterbean	3500	37625	10.75
Cowpea	900	9000	10.00
Cumin	294	265	0.90
Fennel	12151	26732	2.20
Dry Chilli	800	1520	1.90
Green Chilli	3100	46500	15.00
Fenugreek	768	1536	2.00
Ajwain	5843	6427	1.10
Dilseed	949	1139	1.20
Garlic	106	625	5.90
Coriander	84	118	1.40
Flowers	175	1606	9.18

Source: Dept. of Horticulture, Mehsana, Gujarat

2.5. Weather data (2024)

Month	Rainfall (mm)	Temperature ^{0} C	
		Maximum	Minimum
January-2024	00	28	14
February-2024	00	32	17
March-2024	0.81	35	20
April-2024	0.23	39	25
May-2024	8.50	42	28
June-2024	28.91	39	29
July-2024	247.04	34	28

August-2024	245.45	31	26
September-2024	142.75	32	25
October-2024	0	36	25
November-2024	0	31	21
December-2024	0	28	14

Source :Worldweatheronline.com/mehsana

2.6. Production and productivity of livestock, Poultry, Fisheries etc in the district (2016-17)

Category	Population	Production	Productivity
Cattle			
Crossbred	3,24,000		9.51 kg
Indigenous			4.50 kg
Buffalo	4,88,000		5.27 kg
Sheep	11,000	12,740 kg (wool)	1.39 kg (wool)
Crossbred			
Indigenous			
Goats	1,12,000		0.50 kg
Pigs			
Crossbred			
Indigenous			
Horse	976		
Donkey	170		
Poultry	1,57,000		
Camel	3410		
Hens		1,20,00,000 no. of eggs	
Desi	17,000		117
Improved	1,41,000		288
Ducks			
Turkey and others			
Fish (Reservoir)			

** Bulletin of Animal Husbandry and Dairying Statistics, 2021-22*

2.7. Details of Operational area / Villages

Sr.No.	Taluka	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Visnagar	Visnagar	Amarpura, Ghagret, Kuvasana, Saduthla, Sunsi, Denap, Kansarakui, Kiyadar, Rajgadh, Transwad	Castor, Cotton, Tobacco, Wheat, Pearl millet , Sorghum, Mustard, Lucerne, Fennel, Cumin, Chilli, Potato, Pomegranate, Acid lime, Ber, Guava, Watermelon, Brinjal, Paddy, Sesamum, Clusterbean, Tomato, Sapota, Aonla, Green gram, mango, Drumstick, groundnut, ajwain, oil seed crops, horticulture crops, pulses crops, Mothbean, Fodder crops, Poultry , livestock, farm implements, home science, organic farming, women empowerment, soil health, capacity building, kitchen garden, cattle	▪ Less land holding ▪ No use of high yielding and resistant varieties ▪ No use of micronutrients ▪ Acute shortage of irrigation water ▪ Unawareness about pest identification and disease diagnosis ▪ Shortage of organic manures ▪ Poor quality of manures ▪ Imbalance chemical fertilizers application ▪ Poor physical characteristic of soils ▪ Low availability of green fodder ▪ Crop damaged by wild animals ▪ Low market price of crop produced ▪ Unhealthy raising of vegetables seedling ▪ Low productivity of livestocks ▪ Not follow post harvestmanage ment ▪ Found health weakness in Girls and women ▪ Improper Orchard	▪ Integrated Crop Management ▪ Integrated Nutrient Management ▪ Integrated Pest Management ▪ Integrated Disease Management ▪ Micro Irrigation System ▪ Disease Management in dairy animal ▪ Feed Management in dairy animals ▪ Dairy Management ▪ Breeding management in dairy animals ▪ Soil fertility management ▪ Nursery Management ▪ Fodder Production ▪ Production of Organics Inputs ▪ Production and Management technology of horticultural crops ▪ Value Addition ▪ Low Cost High Nutrient Diet ▪ Storage loss Minimization Technology ▪ Women and Child Care ▪ Household Food Security by kitchen garden ▪ Farm Mechanization ▪ Group Dynamics ▪ Entrepreneurship Development ▪ Local specific
2	Mehsana	Mehsana	Bhasariya, Deloli, Divanpura, Kadvasan, Kherva, Kukas, Rampura, Virampura, Virta, Hinglazpura, Mevad, Jagudan, Bhakadia, Palavasana, Dediyasan, Piludara, Buttapaldi, Davada, Kharsada, Dhadhusan, Mohanpura, Boriavi, Gokalgadh, Gozaria			
3	Kadi	Kadi	Vadu, Anandpura, Kaiyal, Mathasur, karannagar, khavad, Rangpurda			
4	Vijapur	Vijapur	Anandpura, Bamanva, Deriya, Kharod, Mahadevpura, Rampur kot, Ransipura,			

			Sokhda, Bhavsor, Sankapura, Vajapur		management ▪ High cost of cultivation ▪ Labour scarcity ▪ High cost of animal feeds ▪ Unawareness about animal feed management ▪ Found storage loss in grain ▪ Poor socio economic conditions ▪ Lack of skill ▪ Unawareness about balance diet in BPL families ▪ Indiscriminate use of pesticides ▪ Less shelf life of fruits and vegetables ▪ Anaemia in adolescent girls and farm women ▪ Lack of knowledge about secondary agriculture ▪ Use of improved farm implements are not affordable ▪ Heavy infestation of nematodes in fruits and vegetable crops ▪ Low productivity of major crops ▪ Problematic soil ▪ Disease infestation due to heavy irrigation ▪ High mortality rate in calf ▪ Indiscriminate use of fungicides ▪ Unawareness about seed	Drudgery Reduction Technology ▪ Organic farming ▪ Seed production ▪ Repair and maintain of farm machineries and implements ▪ Varietal evaluation ▪ Production of small tools and implements ▪ Production of feed and fodder ▪ Management of problematic soil ▪ Mobilization of social capital ▪ Leadership development ▪ Vermicompost ▪ Use of bio fertilizer ▪ Post harvest technology ▪ Soil and water testing ▪ Soil and water conservation ▪ Minimization of nutrient loss in processing ▪ Designing and development of low / minimum cost diet ▪ WTO and IPR issue ▪ Use of plastics in farming practices ▪ Group dynamics
5	Satlasana	Satlasana	Umari, Vaghar, Vasda, Sartanpur, Navavas			
6	Becharaji	Becharaji	Gambhu, Kanoda, Asjol, Bariyaf, Venpura, Adiwada, Devgadh, Dethli			
7	Vadnagar	Vadnagar	Kesimpa, Sundhiya, Sabalpur, Chhabaliya			
8	Kheralu	Kheralu	Dedasan, Chotia, Fatehpura, Malharpura, Varetha, Nanihirvani, Ambavada, Kuda, Vaghvadi			
9	Unjha	Unjha	Amudh, Lakshmipura **(**Aithor**)**, Ranchhodpura, Tundav, Karli, Unjha, Sunok			
10	Jotana	Jotana	Santhal, Martoli, Ajabpura, Ijpura, Jakasana, Moyan			

					treatment ▪ deficiency of micro nutrients ▪ Low fodder yield ▪ Improper housing ▪ Unawareness about vaccination and deworming ▪ Low profitability ▪ High cost of fuel ▪ Less use of ICT tools ▪ Lack of knowledge about market price of product ▪ Unawareness about nutri-rich crops	

2.8. Priority thrust areas:

Crop/Enterprise	Thrust area
Oilseed crop - Groundnut Cotton,Castor, Sesamum, Mustard	Integrated Crop Management Integrated Nutrient Management Integrated Disease Management Integrated Pest Management Productivity enhancement in field crops Weed management Micro-irrigation system Varietal evaluation Use of small tools and implements
Pulse crop - Greengram, Blackgram, chickpea	Integrated Crop Management Integrated Nutrient Management Integrated Disease Management Seed Production Integrated Pest Management Weed management
Fodder Bajra and Sorghum	Integrated Crop Management Integrated Nutrient Management Varietal evaluation
Potato, Chilli and Tomato	Integrated Disease Management Integrated Pest Management Integrated Crop Management Integrated Nutrient Management Value Addition Nursery Raising Production of low volume and high value crops Cultivation of fruits

	Micro-irrigation system
Wheat	Integrated Crop Management Integrated Nutrient Management Integrated Pest Management Varietal evaluation
Spice crops - Fennel, Fenugreek, Ajwain, Cumin	Integrated Nutrient Management Integrated Disease Management Integrated Pest Management Micro Irrigation System Processing and Value Addition Production and Management Technology Post Harvest Technology Production of small tools and implements Varietal evaluation
Acid Lime, Drumstick, Watermelon and Guava	Production and Management Technology Micro Nutrient Application Integrated Disease Management Integrated Pest Management Value Addition Micro Irrigation System Rejuvenation of old orchard Integrated farming system Soil and water conservation Use of plastic in farming practices Post Harvest Technology
Kitchen Garden	House hold Food Security by kitchen gardening and nutritional gardening
Farm Implements	Local Specific Drudgery Reduction Technology Farm Mechanization Production of small tools and implements Repair and maintenance of farm machinery and implements Installation and maintenance of MIS Post-harvest technology
Cattle	Dairy Management Feed Management Disease Management Production of livestock feed and fodder Dairying Management in farm animals
Soil Health	Production of Organic Inputs Soil Fertility Management Management of problematic soil Soil and water testing Soil and water conservation
Women Empowerment & Home Science	Income Generation Activities for empowerment of rural women Storage loss minimization techniques Women and child care Value Addition Design and development of low/minimum cost diet Location specific drudgery reduction technologies Design and development for high nutrient efficiency diet
Capacity Building	Group Dynamics Entrepreneurial development of farmers/youths Mobilization of social capital

	Leadership development Formation and management of SHGs WTO and IPR issue
Natural Farming	Vermi Compost production Production of bio-control agents and bio-pesticides Organic manure production Bio-fertilizer production Production of organic inputs Resource conservation technologies PrakrutikKheti
Millets crops	Integrated Crop Management Integrated Nutrient Management Integrated Disease Management Integrated Pest Management Value addition

3. TECHNICAL ACHIEVEMENTS

3.1. A. Details of target and achievements of mandatory activities

OFT				FLD			
1				2			
Number of OFTs		Number of farmers		Number of FLDs (ha)		Number of farmers	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
6	7	60	70	97.4	103.3	562	706

Training				Extension Programmes			
3				4			
Number of Courses		Number of Participants		Number of Programmes		Number of participants	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
89	124	2060	3999	132	2397	3455	34506

Seed Production (Qtl.)		Planting materials (Nos.)	
5		6	
Target	Achievement	Target	Achievement
38	54.24	24000	8091

Livestock, poultry strains and fingerlings (No.)		Bio-products (Kg)	
7		8	
Target	Achievement	Target	Achievement
-	-	3185	4902.8

3.1. B. Operational areas details during 2024

Sr.No.	Major crops & enterprises being practiced in cluster villages	Prioritized problems in these crops/ enterprise	Extent of area (Ha/No.) affected by the problem in the district	Names of Cluster Villages identified for intervention	Intervention (OFT, FLD, Training, extension activity etc.)*
1	Blackgram	▪ False sowing method ▪ Injudicious use of fertilizers ▪ No use of bio-fertilizers as well as micronutrients ▪ Lack of knowledge about pests and diseases identification and management ▪ False method and inadequate dose of weedicides and pesticides use ▪ High cost of cultivation ▪ No use of high yielding and resistence variety ▪ Poor socio-economic condition ▪ Lack of skill	2500 ha	Mehsana district	OFT, Training and extension activity
2	Chickpea		450 ha	Mehsana district	Training and extension activity
3	Greengram		1000 ha	Mehsana district	Training and extension activity
4	Castor	▪ Don't use recommended agronomical practices ▪ No use of high yielding and resistence variety ▪ Injudicious use of fertilizers ▪ No use of bio-fertilizers and micronutrients as well as bio pesticides. ▪ Unawareness about plant protection measures ▪ High cost of cultivation ▪ Poor socio-economic condition ▪ Lack of skill, Improper sowing method	72000 ha	Mehsana district	CFLD, Training and extension activity
5	Mustard		8000 ha	Mehsana district	CFLD, Training and extension activity , OMV
6	Groundnut		7000 ha	Mehsana district	Training and extension activity
7	Sesamum		500 ha	Mehsana district	Training and extension activity
8	Wheat	▪ Use old variety ▪ Unawareness about termite management ▪ False method of seed treatment ▪ Injudicious use of fertilizer ▪ Improper sowing method	25000 ha	Mehsana district	OFT,FLD, Extension activity, Training
9	Chilli	▪ Low yield ▪ Unawareness about bio-pesticides ▪ Use local variety	600 ha	Mehsana district	FLD,Extension activity, Training

10	Fennel	▪ Low yield ▪ No use of bio-pesticides ▪ Unawareness about pest and disease management	3500 ha	Mehsana district	FLD, Extension activity, Training
11	Cumin	▪ High incidence of blight ▪ False method and inadequate dose of pesticides	150 ha	Mehsana district	Extension activity, Training
12	Cotton	▪ Low yield ▪ Indiscriminate use of pesticides ▪ Unawareness about pest and disease management ▪ False sowing method ▪ High incidence of pink ball worm	15000 ha	Mehsana district	FLD, Extension activity, Training
13	Watermelon	▪ Low yield, low market price, high evaporation rate, deep ground water tabel, poor quality of water	70 ha	Mehsana district	FLD, Training, Extension activity
14	Fruits crops	▪ Low yield ▪ Unawareness about pest and disease management ▪ Improper orchard management ▪ Heavy infestation of nematode ▪ Not follow postharvest management ▪ Lack of skill ▪ High cost of cultivation ▪ Deficiency of micro-nutrient ▪ Low market price ▪ High evaporation rate of soil moisture ▪ Deep ground water table ▪ Poor quality of water	15000 ha	Mehsana district	Training, OFT, Extension activity
15	Spice crops	▪ Low yield ▪ Unawareness about pest and disease management ▪ Not follow postharvest management ▪ Lack of skill ▪ High cost of cultivation ▪ Deficiency of micro-nutrient ▪ Low market price	7000 ha	Mehsana district	FLD, Training, extension activities
16	Millet crops	▪ Low production ▪ Low market price ▪ Unawareness about nutririch crops	11000 ha	Mehsana district	Training, OFT, Extension activity
17	Natural farming	▪ Poor soil health	20000 ha	Mehsana district	Training, FLD, Extension

		▪ Low production and productivity			activity
18	Vegetable Crops	▪ Low yield ▪ Unawareness about pest and disease management ▪ Not follow postharvest management ▪ Lack of skill ▪ High cost of cultivation ▪ Deficiency of micro-nutrient ▪ Low market price	10000 ha	Mehsana district	Training, extension activities
19	Fodder crops	▪ Low fodder production ▪ High cost of animal feed ▪ High cost of cultivation ▪ Use local variety	20000 ha	Mehsana district	FLD, OFT Training and extension activity
20	Livestock **(**Bypass protein**)**	▪ Low milk production in lactating buffalo	1 lakh no**.**	Mehsana district	FLD,Training and extension activity
21	Livestock **(**Fenbendazole**)**	▪ High incidence of ectoparasiticinfestation	1 lakh no**.**	Mehsana district	FLD, Training and extension activity
22	Livestock **(**Chelated Mineral Mixture**)**	▪ Low milk production in lactacting buffalo	1 lakh no**.**	Mehsana district	FLD, Training and extension activity
23	Livestock **(**Probiotic**)**	▪ Low milk production in lactacting buffalo	1 lakh no**.**	Mehsana district	FLD, Training and extension activity
24	Livestock	▪ Low productivity of livestock ▪ Poor feed and fodder management ▪ Repeat breeding ▪ High cost of animal feed ▪ Unawareness about vaccination and deworming ▪ High incidence of ectoparasitic infestation	1 lakh no**.**	Mehsana district	OFT, Training, Extension activity
25	Wheel hoe	▪ Poor adoption of farm mechanization ▪ Labour scarcity	-	Mehsana district	FLD, Training and extension activity
26	Secutter	▪ High drudgery ▪ More time require	-	Mehsana district	FLD, Training and extension activity
27	Dibbler	▪ High drudgery ▪ Poor germination	-	Mehsana district	FLD, Training and extension activity
28	Fodder harvester	▪ High drudgery ▪ More time require	-	Mehsana district	OFT, Training and extension activity
29	Kitchen garden	▪ Poor house hold food security	-	Mehsana district	FLD, Training and

					extension activity
30	Home Science	▪ Low market price of crop produce ▪ Lack of skill ▪ Less self-life of fruits and vegetables ▪ Unawareness about balance diet ▪ Poor socio-economic condition ▪ Unawareness about Nutri rich crop	-	Mehsana district	Training, OFT, FLD, Extension activity
31	Farm Mechanization	▪ Poor adoption of farm mechanization ▪ Labour scarcity ▪ Poor Socio-economic condition ▪ Low land holding capacity ▪ Poor adoption of MIS	-	Mehsana district	Training, FLD, OFT, Method demonstration, Extension activity

* Support with problem-cause and interventions diagram

3.2. Technology Assessment (Kharif 2024, Rabi 2023-24, Summer 2024)

A1. Abstract on the number of technologies assessed in respect of crops

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetable	Fruits	Spice	Plantation crops	Fodder Crops	TOTAL
Integrated Nutrient Management										
Varietal Evaluation	1		1						1	3
Integrated Pest Management										
Integrated Crop Management										
Integrated Disease Management										
Small Scale Income Generation Enterprises										
Production of small tools and implements									1	1
Resource Conservation Technology										
Post harvest technology						1				1
Integrated Farming System										
Seed / Plant production										
Value addition	1									1
Drudgery Reduction										
Storage Technique										
Mushroom cultivation										
Total	**2**	**0**	**1**	**0**	**0**	**1**	**0**	**0**	**2**	**6**

A2. Abstract on the number of technologies assessed in respect of livestock enterprises

Thematic areas	**Cattle**	**Poultry**	**Piggery**	**Rabbitry**	**Fisheries**	**TOTAL**
Evaluation of Breeds						
Nutrition Management						
Disease of Management	1					1
Value Addition						
Production and Management						
Feed and Fodder						
Small Scale income generating enterprises						
TOTAL	**1**					**1**

B. Achievements on technologies Assessed

B.1. Technologies Assessed under various Crops

Thematic areas	Crop/ Enterprise	Name of the technology assessed	No. of trials	Number of farmers	Area in ha (Per trial covering all the Technological Options)
Integrated Nutrient Management					
Varietal Evaluation	Blackgram	Assessment of new release GU-4 variety	10	10	3
	Wheat	Assessment of new release GW-499 variety	10	10	3
	Fodder Sorghum	Assessment of new release Banaschari variety	10	10	2
Integrated Pest Management					
Integrated Crop Management					
Integrated Disease Management					
Small Scale Income Generation Enterprises					
Production of small tools and implements					
Resource Conservation Technology					
Post harvest technology					
Integrated Farming System					
Seed / Plant production					
Value addition					-
Storage Technique					
Total			30	30	8

B.2. Technologies assessed under Livestock and other enterprises

Thematic areas	Name of the livestock enterprise	Name of the technology assessed	No. of trials	No. of farmers
Evaluation of breeds				
Nutrition management				
Disease management	Buffalo	Assessment of ectoparasiticides to control tick infestation in Mehsani buffaloes	10	10
Production and management				
Feed and fodder				
Small scale income generating enterprises				
Total			**10**	**10**

B.3 Technologies assessed under other enterprises

Thematic areas	Name of the technology assessed	No. of trials	No. of farmers
Mushroom			
Apiary			
Vermicompost			
Tailoring			
Nutrition Garden			
Nursery Management			
Production and Management	Assesssment of hand operated fodder harvester in fodder crops	10	10
Eentrepreneurship development			
Engegy conservation			
storage techniques			
House hold food security			
organic farming			
Post Harvest technology / Mechanization	Harvesting of lime fruit through improved lime harvester	10	10
Total		**20**	**20**

B 4.Technologies assessed under Women empowerment assessment

Thematic areas	Name of the technology assessed	No. of trials	No. of farmers
Drudgery Reduction			
Entrepreneurship development			
Health and Nutrition			
Value addition	Bajara biscuit	10	10
Kitchen gardening			
Nutrition security			
Total		10	10

OFT - 1

C1.Results of Technologies Assessed

Results of On Farm Trial (2nd year trial)

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Blackgram	Rainfed	Low yield of Blackgram	Assessment of new release GU 4 variety	10	Recommendation-GU 4	Yield, BCR, Test weight	Yield, BCR, Test weight	19.05 % and 10.00% more yield over T1 and T2 respectively	High yielding variety	-	-

Contd..

Technology Assessed	Source of Technology	Test weight (gm)	Production	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net Return (Profit) in Rs. / unit	BC Ratio
13	14	15	16	17	18	19
Local cultivar-GU 1	SDAU, S.K. Nagar	4.40	420	kg/ha	10701	1.45
Recommendation –GU 2	JAU, Junagadh	4.45	450	kg/ha	13161	1.55
Recommendation-GU 4	AAU, Anand	4.55	500	kg/ha	17261	1.73

C2. Details of each On Farm Trial for assessment to be furnished in the following format separately as per the following details

1.	Title of Technology Assessed	:	Assessment of new release GU 4 variety
2.	Problem Definition	:	Low yield of Blackgram
3.	Details of technologies selected for assessment	:	T1 : Local cultivar –GU 1, T2 :Recommendation-GU 2, T3 : Recommendation-GU 4
4.	Source of technology	:	SDAU, S.K. Nagar, JAU, Junagadh and AAU, Anand
5.	Production system and thematic area	:	Rainfed, Varietal evaluation
6.	Performance of the Technology with performance indicators	:	Yield, BCR, Test weight
7.	Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques	:	Increase production
8.	Final recommendation for micro level situation	:	2nd Year result
9.	Constraints identified and feedback for research	:	-
10.	Process of farmers participation and their reaction		Group meeting and field visit

OFT - 2

C1.Results of Technologies Assessed

Results of On Farm Trial (3rd year trial)

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Wheat	Irrigated	Low yield of late sown wheat	Assessment of late sown new release GW 499 variety	5	Recommendation-GW 499	Yield, Test weight, BCR	Yield, Test weight, BCR	15.75 % and 9.48 % more yield over T1 and T2 respectively	High yielding variety	-	-

Contd..

Technology Assessed	Source of Technology	Test weight (gm)	Production	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net Return (Profit) in Rs. / unit	BC Ratio
13	14	15	16	17	18	19
GW 496	Farmer practices	41.20	4190	kg/ha	97532	2.93
Recommendation – GW 173	SDAU, S.K. Nagar	41.75	4430	kg/ha	108450	3.21
Recommendation GW499	SDAU, S.K. Nagar	46.71	4850	kg/ha	123600	3.52

Pooled

Technology Assessed	Source of Technology	Test weight (gm)	Production	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net Return (Profit) in Rs. / unit	BC Ratio
13	14	15	16	17	18	19
GW 496	Farmer practices	41.17	4033.33	kg/ha	89909	3.02
Recommendation –GW 173	SDAU, S.K. Nagar	41.75	4293.33	kg/ha	99654	3.27
Recommendation-GW 499	SDAU, S.K. Nagar	46.70	4638.33	kg/ha	111845	3.55

C2. Details of each On Farm Trial for assessment to be furnished in the following format separately as per the following details

1.	Title of Technology Assessed	:	Assessment of new release GW 499 variety
2.	Problem Definition	:	Low yield of late sown wheat
3.	Details of technologies selected for assessment	:	T1 : Local cultivar-GW 496, T2 : Recommendation – GW 173, T3: Recommendation-GW 499
4.	Source of technology	:	Wheat Research Station, Vijapur, SDAU, S.K. Nagar
5.	Production system and thematic area	:	Irrigated, Varietal evaluation
6.	Performance of the Technology with performance indicators	:	Yield, Test weight, BCR
7.	Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques	:	-
8.	Final recommendation for micro level situation	:	3rdYear trial
9.	Constraints identified and feedback for research	:	-
10.	Process of farmers participation and their reaction		Group meeting and field visit

OFT - 3

C1.Results of Technologies Assessed

Results of On Farm Trial (1st year trial)

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Fodder Sorghum	Irrigated	Low yield of Fodder	Assessment of new release Banas chari fodder variety (2021)	10	Recommendation-Banas chari fodder	Yield, BCR	Yield, BCR	8.20 % more fodder yield	-	-	-

Contd..

Technology Assessed	Source of Technology	Production	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net Return (Profit) in Rs. / unit	BC Ratio
13	14	15	16	17	18
Local cultivar	Farmer practices	30500	kg/ha	41361	2.41
Recommendation-Banas chari	SDAU, S.K. Nagar	33000	kg/ha	46061	2.71

C2. Details of each On Farm Trial for assessment to be furnished in the following format separately as per the following details

1.	Title of Technology Assessed	:	Assessment of new release Banas chari fodder variety (2021)
2.	Problem Definition	:	Low yield of Fodder
3.	Details of technologies selected for assessment	:	T1 : Local cultivar, T2 : Recommendation-Banas chari
4.	Source of technology	:	SDAU, S.K. Nagar
5.	Production system and thematic area	:	Irrigated, Varietal evaluation
6.	Performance of the Technology with performance indicators	:	Yield, BCR
7.	Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques	:	-
8.	Final recommendation for micro level situation	:	1st year trial
9.	Constraints identified and feedback for research	:	-
10.	Process of farmers participation and their reaction		Group meeting and field visit

OFT -4

C1.Results of Technologies Assessed

Results of On Farm Trial (3rd year)

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Livestock	-	Tick infestation leading to reduced milk production	Assessment of ectoparasiticides to control tick infestation in Mehsani buffaloes	10	Use of soap permethrin 5% + cetrimide 1% + Aloevera (1%) apply and massage the leather on every part of body and wash after 1 hour	Milk production, Ectoparasitic Infestation Decrease (%), BCR	Milk production, Ectoparasitic Infestation Decrease (%), BCR	40 and 10 percent decrease Ectoparasitic Infestation rate over T1 and T2 respectively	-	-	-

Contd..

Third year result

Technology Assessed	Source of Technology	Milk production (Lit/Animal/Day)	Ectoparasitic Infestation Decrease (%)	BCR
13	14	15	16	17
T1: Application of deltamethrin (1.25%) solution @3 ml/lit of water, spray and repeat after 21 days,	Farmer practices	8.00	45	1.30
T2 : Application of amitraj 1% + cypermethrin 1% + piperonylbutoxide 5% solution @ 1 ml/10 kg body weight topically along the midline and repeat after 21 days	IVRI, Izzatnagar	8.50	75	1.37
T3: Use of soap permethrin 5% + cetrimide 1% + Aloevera (1%) apply and massage the leather on every part of body and wash after 1 hour	TANUVAS, Chennai	9.50	85	1.52

Pooled

Technology Assessed	Source of Technology	Milk production (Lit/Animal/Day)	Ectoparasitic Infestation Decrease (%)	BCR
13	14	15	16	17
T1: Application of deltamethrin (1.25%) solution @3 ml/lit of water, spray and repeat after 21 days,	Farmer practices	7.93	50	1.48
T2 : Application of amitraj 1% + cypermethrin 1% + piperonylbutoxide 5% solution @ 1 ml/10 kg body weight topically along the midline and repeat after 21 days	IVRI, Izzatnagar	8.40	71.67	1.55
T3: Use of soap permethrin 5% + cetrimide 1% + Aloevera (1%) apply and massage the leather on every part of body and wash after 1 hour	TANUVAS, Chennai	9.17	90	1.68

C2. Details of each On Farm Trial for assessment to be furnished in the following format separately as per the following details

1.	Title of Technology Assessed	:	Assessment of ectoparasiticides to control tick infestation in Mehsani buffaloes
2.	Problem Definition	:	Tick infestation leading to reduced milk production
3.	Details of technologies selected for assessment	:	T1: Application of deltamethrin (1.25%) solution @3 ml/lit of water, spray and repeat after 21 days, T2 : Application of amitraj 1% + cypermethrin 1% + piperonylbutoxide 5% solution @ 1 ml/10 kg body weight topically along the midline and repeat after 21 days T3: Use of soap permethrin 5% + cetrimide 1% + Aloevera (1%) apply and massage the leather on every part of body and wash after 1 hour
4.	Source of technology	:	IVRI, Izzatnagar and TANUVAS, Chennai
5.	Production system and thematic area	:	Disease Management
6.	Performance of the Technology with performance indicators	:	Ectoparasitic infestation (%), milk production, BCR
7.	Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques	:	-
8.	Final recommendation for micro level situation	:	3rd Year result
9.	Constraints identified and feedback for research	:	-
10.	Process of farmers participation and their reaction		Group meeting and field visit

OFT -5

C1.Results of Technologies Assessed

Results of On Farm Trial (3rdyear)

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Agricultural Engineering	-	Deteriorate quality and low market price of lime fruit	Harvesting of lime fruit through improved lime harvester	10	Lime harvester developed by College of horticulture, Jagudan, SDAU and RTTC, JAU	Dropping percent and harvesting capacity kg/hour	Dropping percent and harvesting capacity kg/hour	Dropping percent reduce 83.80 and 76.52 in T2 and T3 over T1 technology	-	-	-

Contd..
Third year result

Technology Assessed	Source of Technology	Dropping percent	harvesting capacity kg/hour
13	14	15	16
Bamboo stickwithhook	Farmer practices	100	11.11
Lime harvester developed by RTTC, JAU	JAU, Junagadh	16.20	9.22
Lime harvester developed by College of horticulture,Jagudan, SDAU	SDAU, Jagudan	23.48	8.30

Pooled

Technology Assessed	Source of Technology	Dropping percent	harvesting capacity kg/hour
13	14	15	16
Bamboo stickwithhook	Farmer practices	100	9.83
Lime harvester developed by RTTC, JAU	JAU, Junagadh	18.14	7.82
Lime harvester developed by College of horticulture,Jagudan, SDAU	SDAU, Jagudan	27.43	7.00

C2. Details of each On Farm Trial for assessment to be furnished in the following format separately as per the following details

1.	Title of Technology Assessed	:	Harvesting of lime fruit through improved lime harvester
2.	Problem Definition	:	Deteriorate quality and low market price of lime fruit
3.	Details of technologies selected for assessment	:	T1: Bamboo stickwithhook, , T2 : Lime harvester developed by RTTC, JAU, T3: Lime harvester developed by College of horticulture,Jagudan, SDAU
4.	Source of technology	:	Farmer practices, SDAU(2020), JAU(2010)
5.	Production system and thematic area	:	Post harvest technology
6.	Performance of the Technology with performance indicators	:	Dropping percent and harvesting capacity kg/hour
7.	Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques	:	Reduction in fruit dropping percentage
8.	Final recommendation for micro level situation	:	Third year result
9.	Constraints identified and feedback for research	:	-
10.	Process of farmers participation and their reaction		Group meeting and field visit

OFT -6

C1.Results of Technologies Assessed

Results of On Farm Trial (2nd year)

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Home Science	-	Bajara flour is not used in making biscuit	Assessment of different prepreation method of bajara biscuit	10	Bajara flour + wheat flour + milk + baking powder + vanilla essence + sugar + butter	Durability, Taste	Durability, Taste	As per taste parameter T3 is very good, Durability of both technonology are same	-	-	-

Contd..

Technology Assessed	Source of Technology	Durability	Taste		BC Ratio
13	14	15	16	17	18
No use of bajara flour in biscuit	Farmer practices	-	-	-	
Bajara flour + ghee + sugar + milk powder + soda + ammonium bicarbonate + milk / water	AAU, Anand	22 days	Good	-	
Bajara flour + wheat flour + milk + baking powder + vanilla essence + sugar + butter	ICAR, New Delhi	19 days	Very good	-	

C2. Details of each On Farm Trial for assessment to be furnished in the following format separately as per the following details

1.	Title of Technology Assessed	:	Assessment of different prepreation method of bajara biscuit
2.	Problem Definition	:	Bajara flour is not used in making biscuit
3.	Details of technologies selected for assessment	:	Bajara flour + wheat flour + milk + baking powder + vanilla essence + sugar + butter
4.	Source of technology	:	ICAR, New Delhi
5.	Production system and thematic area	:	Value addition
6.	Performance of the Technology with performance indicators	:	Durability, Taste
7.	Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques	:	Taste is very good and good for health
8.	Final recommendation for micro level situation	:	2nd year trial
9.	Constraints identified and feedback for research	:	-
10.	Process of farmers participation and their reaction		Group meeting and field visit

OFT -7

C1.Results of Technologies Assessed

Results of On Farm Trial (1st year)

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Fodder Harvester	-	Back pain and discomfort at the time of fodder harvesting	Assessment of hand operated fodder harvester in fodder crop	10	Fodder harvester develop by CAET, Dediyapada, NAU (2021)	Labour saving	Labour saving per ha	Labour 24.16 % increase as compare to T1	▪ Cutting of Lucerne is scatter on the ground and has to be collected ▪ Not comfortable handle to hold due heavy weight as compare to sickle ▪ Cutting is done above ground level	-	-

Contd..

Technology Assessed	Source of Technology	Labour require (labour / ha)	Remarks
13	14	15	17
Sickle	Farmer practices	24.00	-
Fodder harvester	CAET, Dediyapada, NAU (2021)	29.80	-

C2. Details of each On Farm Trial for assessment to be furnished in the following format separately as per the following details

1.	Title of Technology Assessed	:	Assessment of hand operated fodder harvester in fodder crop
2.	Problem Definition	:	Back pain and discomfort at the time of fodder harvesting
3.	Details of technologies selected for assessment	:	Fodder harvestor
4.	Source of technology	:	CAET, Dediyapada, NAU
5.	Production system and thematic area	:	Production of Small tools and implements
6.	Performance of the Technology with performance indicators	:	Labour saving per ha
7.	Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques	:	o Cutting of Lucerne is scatter on the ground and has to be collected o Not comfortable handle to hold due heavy weight as compare to sickle o Cutting is done above ground level
8.	Final recommendation for micro level situation	:	1st year trial
9.	Constraints identified and feedback for research	:	-
10.	Process of farmers participation and their reaction		Group meeting and field visit

3.3. FRONTLINE DEMONSTRATION

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

List of technologies demonstrated during previous year and popularized during 2024 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	Integrated Crop Management	GDM 4 and Sulphure	FLD	20	650	150
2	Cotton	Integrated Pest Management	*Beauveria bassiana*, neem oil	FLD	15	400	100
3	Blackgram	Integrated Crop Management	Full package	CFLD	15	300	100
4	Natural farming	Resource conservation technology	Full package	FLD	22	110	50
5	Livestock	Disease management	Fenbendazole	FLD	30	600	-
6	Livestock	Animal nutrition management	By pass protein	FLD	15	350	-
7	Livestock	Animal nutrition management	Probiotic	FLD	15	100	-
8	Livestock	Animal nutrition management	Chelated mineral mixture	FLD	20	600	-
9	Wheat	Varietal evaluation	GW-513	FLD	10	50	20
10	Fennel	Integrated Pest Management	Beauveria bassiana, neem oil	FLD	15	150	50
11	Castor	Integrated Crop Management	Full package	CFLD	30	600	300
12	Kitchen garden	Household food security by kitchen gardening and nutritional gardening	Seeds and seedling of vegetables	FLD	25	400	-
13	Wheel hoe	Drudgery reduction	Wheel hoe	FLD	25	250	-
14	Secutter	Farm Mechanisation	Secutter	FLD	30	200	-
15	Dibbler	Production of small tools and implements	Dibbler	FLD	10	25	-
16	Fodder sorghum	Feed and fodder production	COFS-31	FLD	10	25	10

B. Details of FLDs implemented during 2024(Kharif 2024, Rabi 2023-24, Summer 2024) (Information is to be furnished in the following three tables for each category i.e. cereals, horticultural crops, oilseeds, pulses, cotton and commercial crops.)

Cereals

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	Wheat	Varietal evaluation	GW-513	Rabi, 2023-24	10	10	0	25	25	-

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					
Wheat	Rabi	Irrigated	Sandy loam	L	M	H	-	-	-	-	-

Technical Feedback on the demonstrated technologies

S. No	Feed Back
1	-

Farmers' reactions on specific technologies

S. No	Feed Back
1	Wheat GW-513
	▪ High yielding variety, Good for chapatti ▪ Test weight increased

Extension and Training activities under FLD

Sl.No.	**Activity**	**No. of activities organized**	**Date**	**Number of participants**	**Remarks / Place**
1	Field days	2	15/02/2024 22/02/2024	88	Dhandhusan, Bhasariya
2	Farmers Training	1	06/11/2023	31	KVK
3	FLD Field Visit	3	15/02/2024 22/02/2024	25	Dhandhusan, Bhasariya, Divanpura

Horticultural 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	Fennel	Integrated Pest Management	*Beauveria bassiana*, Neem Oil	Rabi 2023-24	10	10	0	25	25	-
2	Watermelon	Use of plastic mulch in farming practices	Plastic Mulch	Summer-2024	1	1	0	10	10	-
3	Chilli	INM	Arka vegetable special 7 kg	Kharif-2024	5	5	0	12	12	-

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					
Fennel	Rabi 2023-24	Irrigated	Sandy loam	L	M	H	-	-	-	664.15	-
Watermelon	Summer-2024	Irrigated	Sandy loam	L	M	H	-	-	-	1.04	
Chilli	Kharif-2024	Irrigated	Sandy loam	L	M	H	-	-	-	664.15	

Technical Feedback on the demonstrated technologies

S. No	Feed Back
1	-

Farmers' reactions on specific technologies

S. No	Feed Back
1	Fennel -IPM
	Bio-pesticides effectively managed sucking pest Qualitative production

2	Watermelon (Plastic Mulch)
	Getting higher qualitative fruit yield Size, shape, shining of fruit very good, water saving Silver black plastic mulch film manage thrips, aphids and sucking pest effectively

Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organised	Date	Number of participants	Remarks / Place
	Fennel - IPM				
1	Field days				
2	Farmers Training	1	02/11/2023	29	Vaghar
3	FLD Field Visit	1	02/11/2023	6	Vaghar
	Watermelon (Mulch)				
1	Field Day	1	19/04/2024	30	Satlasana
2	Training	1	05/01/2024	14	KVK
3	Field Visit	3	06/03/2024, 9/04/2024, 19/04/2024	20	Vaghvadi, Satlasana,Ambavada
	Chilli				
1	Field Day	1	26/11/2024	32	Anandpura
2	Training	1	16/09/2024	17	KVK
3	Field Visit	2	01/09/2024 26/11/2024	20	Anandpura

Oilseeds

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	Castor	ICM	Full package	Kharif 2023-24	20	20	0	50	50	-
2	Mustard	ICM	Variety and INM	Rabi 2023-24	10	10	0	25	25	-

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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					
Castor	Kharif	Irrigated	Sandy loam	L	M	H	-	-	-	388.20	
Mustard	Rabi	Irrigated	Sandy loam	L	M	H	-	-	-		

Technical Feedback on the demonstrated technologies

S. No	Feed Back
1	-

Farmers' reactions on specific technologies

S. No	Feed Back
1.	**Castor**
	High yielding variety Application of sulphur increased yield Beauveria bassiana, neem oil manage spodoptera and sucking pests effectively
2.	**Mustard**
	High yielding variety Application of sulphur increased yield

Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organized	Date	Number of participants	Remarks / Place
	Castor-NFSM				
1	Field Day	2	05/01/2024, 14/02/2024	92	Kot, Sundhiya
2	Training	4	27,31/07/2023 30/11/2023 04/12/2023	106	KVK, Kot, Sundhiya
3	Field visit	10	-	170	Sundhiya,Kot,Mahadevpura

	Mustard- NFSM				
1	Field Day	2	13/01/2024 30/01/2024	99	Gambhu, Rampura (Katosan)
2	Training	1	04/10/2023	25	KVK
3	Field visit	3	25/12/2023 13/01/2024 30/01/2024	43	Gambhu, Rampura (Katosan)

Pulses

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	
-	-	-	-	-	-	-	-	-	-	-

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					
-	-	-	-	-	-	-	-	-	-	-	-

Technical Feedback on the demonstrated technologies

S. No	**Feed Back**
-	-

Farmers' reactions on specific technologies

S. No	**Feed Back**
-	-

Extension and Training activities under FLD

Sl.No.	**Activity**	**No. of activities organised**	**Date**	**Number of participants**	**Remarks / Place**

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	Cotton	Integrated Pest Management	*Beauveria bassiana*, Neem Oil, Pheromone trap	Kharif 2024	10	10	0	25	25	-

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					
Cotton (IPM)	Kharif 2024	Irrigated	Sandy loam	L	M	H	-	-	-	664.15	-

Technical Feedback on the demonstrated technologies

S. No	Feed Back
1	-

Farmers' reactions on specific technologies

S. No	Feed Back
1	Cotton -IPM
	Bio-pesticides effectively manage sucking pest and pink bollwarm (1 % reduction in boll damage) Environmentally safety approach

Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organised	Date	Number of participants	Remarks
	Cotton-IPM				
1	Field days	1	15/10/2024	23	Ranchodpura (Unjha)
2	Farmers Training	1	30/07/2024	29	KVK
3	FLD Field Visit	4	15/10/2024	32	Karli, Ranchodpura (Unjha)

Other Crop

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	Fodder Sorghum	Varietal evaluation	COFS-31	Kharif - 2024	2.5	2.5	0	25	25	-
2	Natural Farming	Resource conservation technology	Barel - 200 lit-1 no, 50 lit-1 no, Bucket-1 no. Jaggery - 5 kg, Gramflour - 5 kg., LFOM 5 lit	Summer- 2024	4.8	4.8	0	12	12	

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					
Fodder Sorghum (COFS-31)	Kharif- 2024	Irrigated	Sandy loam	L	M	H	-	-	-	664.15	-
Natural Farming	Summer- 2024	Irrigated	Sandy loam	L	M	H	-	-	-	664.15	-

Technical Feedback on the demonstrated technologies

S. No	Feed Back
1	-

Farmers' reactions on specific technologies

S. No	Feed Back
1	**Fodder Sorghum – CoFS-31**
	Good for green fodder production
2	**Natural Farming**
	Low production, Labour cost increase, Keeping quality increase

Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organised	Date	Number of participants	Remarks
	Fodder Sorghum , CoFS-31				
1	Field Day	1	16/10/2024	23	Sartanpur
2	Training	1	22/07/2024	27	Kukas
3	Field Visit	3	30/09/2024 16/10/2024	8	Sartanpur, Jagudan
	Natural farming				
1	Field Day	1	05/02/2024	44	Sundhiya
2	Training	5	2-3/01/2024 26-27/02/2024 11-12,17-18,21-22/03/2024	162	KVK
3	Field Visit	5	01/10/2024 30/12/2024 31/12/2024 05/02/2024	17	-

C. 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										
Castor																		
Castor 2023-24	Integrated Crop Management	Castor Seeds GCH 8 : 4 kg,Sulphur- 20 kg, NPK consortia - 1.2 lit, *Beauveria bassiana* -2.4 kg,Profenophos - 1 lit.	GCH 8	50	20	45.76	33.28	37.50	31.60	18.67	53614	206250	152636	3.85	58772	173800	115028	2.96
Mustard																		
Mustard 2023-24	Integrated Crop Management	Seed GDM 4 - 3.5 kg, Sulphur-40 kg	GDM 4	25	10	14.39	10.50	12.05	10.30	16.99	32763	54225	21462	1.66	33074	46350	13276	1.40

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										
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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											
					High	Low	Average			Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Cereals																			
Wheat										Test weight (gram)									
Wheat 2023-24	Varietal Evaluation	Seeds of Variety GW 513 : 125 kg.	25	10	48.25	36.60	39.95	36.50	9.45	-	-	49627	144838	95211	2.92	49779	130625	80846	2.62
Natural farming																			
Spices & condiments																			
Fennel																			
Fennel 2023-24	IPM	Beauveria bassiana - 2.4 kg, Neem Oil -10000 ppm-1.8 lit	25	10	14.90	10.10	11.45	9.90	15.66	-	-	48344	154575	106231	3.20	47546	128700	81154	2.71
Commercial Crops																			
Cotton										% boll damage									
Cotton 2024	Integrated Pest Management	*Beauveria bassiana* - 2.4 kg, Neem Oil - Neem Oil -10000 ppm-1.8 lit, Pheromone trap - 8	25	10	26.62	14.10	15.97	14.80	7.91	15.50	16.50	50926	114984	64058	2.26	52572	106560	53988	2.03
Fodder Crops																			
Sorghum																			
Fodder Sorghum 2024	Varietal Evaluation	Variety, COFS 31 - 6 kg	25	2.5	594	522	546	482	13.28	-	-	32239	87360	55121	2.71	31951	77120	45169	2.41
Pulse Crop																			
-	-	-	-	-	-	-	-	-	-	-	--	-	-	-	-	-	-	-	-
Fruit crop																			
Watermelon										Water saving									

										Demo	Local								
Watermelon Summer-2024	Use of plastic in farming practice	25 micron silver black plastic mulch	10	1	485	360	422	356	18.54	169 hrs	225 hrs	189952	570375	380423	3.00	155072	240300	85228	1.55

Frontline Demonstration on Nutri cereals

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										

FLD on Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No.of Units (Animal/ Poultry/ Birds, etc)	Major parameters Milk production		% change in major parameter	Other parameter		Economics of demonstration (Rs.)				Economics of check (Rs.)			
					Demo	Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Cattle																	
Buffalo								Fat (%)									
Livestock 2024	Disease Management	Fenbendazole @ 3 gm/animal/6 months	60	60	9.60	8.70	10.34	-	-	91900	137600	45700	1.50	98720	125450	26730	1.27
Livestock 2024	Animal Nutrition Management	Chelated Mineral mixture - 3 kg	100	100	10.50	9.50	10.53	7.3	7.0	89975	146250	56275	1.63	92180	131850	39670	1.43
Livestock 2024	Feed Management	Probiotic - 600 gm	50	50	9.70	8.80	10.23	-	-	99652	140988	41336	1.41	104896	128352	23456	1.22
Livestock 2024	Feed Management	Bypass protein-500 gm	30	30	11.60	10.50	10.48	7.9	7.5	104562	170864	66302	1.63	98800	155420	56620	1.57

FLD on Fisheries

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.)				Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Common Carps																	

FLD on Women Empowerment

Category	Name of technology	No. of demonstrations	Name of observations	Demonstration	Check
Value Addition Rabi 2023-24	Aonla Candy	20	Durability	9 month	5 month
			Taste	Very Good	Good
			Colour	White	Off white

FLD on Farm Implements and Machinery

Name of the implement	Crop	Technology demonstrated	No. of Farmer	Area (ha)	Major parameters	Filed observation (output/man hour)		% change in major parameter	Labor reduction (man days)				Cost reduction (Rs./ha or Rs./Unit etc.)			
						Demo	Check		Land preparation	Sowing	Weeding	Total	Land preparation	Labour	Irrigation	Total
Dibbler 2024	Castor	Farm mechanization	15	-	Labour saving	3.60	6.20	(-)41.94	-	2.6	-	2.6	-	650	-	650
					Germination	95.47	94.59	0.93								
Dibbler 2024	Cotton	Farm mechanization	15	-	Labour saving	3.90	7.10	(-) 45.07	-	3.2	-	3.2	-	800	-	800
					Germination	79.38	77.36	2.61								
Secutter 2023-24	Castor	Farm mechanization	32	-	Labour saving	20.31	25.31	(-) 19.76		5.00 harvesting		5.00		1250	-	1250
					Drop capsule	1.00	2.09	(-) 52.23	-	-						

FLD on Other Enterprise: Kitchen Gardening

Nutrition garden components	Thematic area	Area (sq mt)	No. of Farmer	No. of Units	Yield (Kg)- supply of vegetables, fruits, etc from KG in the year		% change in yield	Household size (number)		Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
					Demonstration	Check*		Demo	Check	Gross Cost	Gross Return/Savings*	Net Return	BCR (R/C)	Gross Cost	Gross Return/ Savings*	Net Return	BCR (R/C)
Seed and seedlings of vegetables and drumstick plants	Household food security by kitchen gardening	70	100	100	201	-	-	-	-	2400	9045	6645	3.7	-	-	-	-

*(37% of the annual vegetables requirement fulfilled (547 kgs/5 members/year)

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

3.4. Training Programmes*(Online programmes if any should be included under On Campus category)*

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Weed Management										
Resource Conservation Technologies	5	116	86	202	0	0	0	116	86	202
Cropping Systems	1	25	0	25	0	0	0	25	0	25
Crop Diversification										
Integrated Farming	1	30	0	30	0	0	0	30	0	30
Micro Irrigation/irrigation										
Seed production										
Nursery management										
Integrated Crop Management	13	324	52	376	13	0	13	337	52	389
Soil & water conservation	1	17	10	27	0	0	0	17	10	27
Integrated nutrient management										
Production of organic inputs	3	117	19	136	0	0	0	117	19	136
Others (pl. specify)										
Total	**24**	**629**	**167**	**796**	**13**	**0**	**13**	**642**	**167**	**809**
II Horticulture										
a) Vegetable Crops										
Production of low volume and high value crops	1	16	0	16	1	0	1	17	0	17
Off-season vegetables										
Nursery raising										
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation										
Others (pl specify)										
Total (a)	**1**	**16**	**0**	**16**	**1**	**0**	**1**	**17**	**0**	**17**
b) Fruits										
Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit	1	22	0	22	0	0	0	22	0	22
Management of young plants/orchards										
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques										
Others (pl specify)										
Total (b)	**1**	**22**	**0**	**22**	**0**	**0**	**0**	**22**	**0**	**22**
c) Ornamental Plants										
Nursery Management										

Management of potted plants										
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants										
Others (pl specify)										
Total (c)										
d) Plantation crops										
Production and Management technology										
Processing and value addition										
Others (pl specify)										
Total (d)										
e) Tuber crops										
Production and Management technology										
Processing and value addition										
Others (pl specify)										
Total (e)										
f) Spices										
Production and Management technology	1	15	0	15	0	0	0	15	0	15
Processing and value addition	1	2	24	26	0	0	0	2	24	26
Others (pl specify)										
Total (f)	**2**	**17**	**24**	**41**	**0**	**0**	**0**	**17**	**24**	**41**
g) Medicinal and Aromatic Plants										
Nursery management										
Production and management technology										
Post harvest technology and value addition										
Others (pl specify)										
Total (g)										
Grand Total (a to g)	**4**	**55**	**24**	**79**	**1**	**0**	**1**	**56**	**24**	**80**
III Soil Health and Fertility Management										
Soil fertility management										
Integrated water management										
Integrated Nutrient Management										
Production and use of organic inputs										
Management of Problematic soils										
Micro nutrient deficiency in crops										
Nutrient Use Efficiency										
Balance use of fertilizers										
Soil and Water Testing										
Others (pl specify)										
Total										
IV Livestock Production and Management										
Dairy Management	4	14	119	133	0	0	0	14	119	133
Poultry Management										
Piggery Management										

Rabbit Management										
Animal Nutrition Management										
Disease Management	4	17	111	128	0	3	3	17	114	131
Feed & fodder technology	2	19	51	70	0	0	0	19	51	70
Production of quality animal products										
Others (pl specify)										
Total	**10**	**50**	**281**	**331**	**0**	**3**	**3**	**50**	**284**	**334**
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening										
Design and development of low/minimum cost diet										
Designing and development for high nutrient efficiency diet										
Minimization of nutrient loss in processing										
Processing and cooking										
Gender mainstreaming through SHGs										
Storage loss minimization techniques										
Value addition	1	0	24	24	0	0	0	0	24	24
Women empowerment										
Location specific drudgery reduction technologies										
Rural Crafts										
Women and child care										
Others (pl specify)										
Total	**1**	**0**	**24**	**24**	**0**	**0**	**0**	**0**	**24**	**24**
VI Agril. Engineering										
Farm Machinery and its maintenance										
Installation and maintenance of micro irrigation systems	1	29	9	38	2	1	3	31	10	41
Use of Plastics in farming practices	1	12	0	12	2	0	2	14	0	14
Production of small tools and implements	2	34	7	41	0	0	0	34	7	41
Repair and maintenance of farm machinery and implements										
Small scale processing and value addition										
Post Harvest Technology	1	49	0	49	1	0	1	50	0	50
Others (pl specify)										
Total	**5**	**124**	**16**	**140**	**5**	**1**	**6**	**129**	**17**	**146**
VII Plant Protection										
Integrated Pest Management	2	38	15	53	0	0	0	38	15	53
Integrated Disease Management	1	41	0	41	12	0	12	53	0	53
Bio-control of pests and diseases	2	67	0	67	2	0	2	69	0	69
Production of bio control agents and bio pesticides	2	3	68	71	0	2	2	3	70	73
Others (pl specify)										
Total	**7**	**149**	**83**	**232**	**14**	**2**	**16**	**163**	**85**	**248**
VIII Fisheries										

Integrated fish farming										
Carp breeding and hatchery management										
Carp fry and fingerling rearing										
Composite fish culture										
Hatchery management and culture of freshwater prawn										
Breeding and culture of ornamental fishes										
Portable plastic carp hatchery										
Pen culture of fish and prawn										
Shrimp farming										
Edible oyster farming										
Pearl culture										
Fish processing and value addition										
Others (pl specify)										
Total										
IX Production of Inputs at site										
Seed Production										
Planting material production										
Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production										
Organic manures production										
Production of fry and fingerlings										
Production of Bee-colonies and wax sheets										
Small tools and implements										
Production of livestock feed and fodder										
Production of Fish feed										
Mushroom Production										
Apiculture										
Others (pl specify)										
Total										
X CapacityBuilding and Group Dynamics										
Leadership development										
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital	1	15	0	15	0	0	0	15	0	15
Entrepreneurial development of farmers/youths										
WTO and IPR issues										
Others (pl specify)										
Total	**1**	**15**	**0**	**15**	**0**	**0**	**0**	**15**	**0**	**15**
XI Agro-forestry										
Production technologies										

Nursery management										
Integrated Farming Systems										
Others (pl specify)										
Total										
GRAND TOTAL	**52**	**1022**	**595**	**1617**	**33**	**6**	**39**	**1055**	**601**	**1656**

Off campus Training programme

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Weed Management										
Resource Conservation Technologies										
Cropping Systems										
Crop Diversification										
Integrated Farming										
Micro Irrigation/irrigation										
Seed production										
Nursery management										
Integrated Crop Management										
Soil & water conservation	1	23	0	23	0	0	0	23	0	23
Integrated nutrient management	2	74	2	76	0	0	0	74	2	76
Production of organic inputs										
Others (pl specify)										
Total	**3**	**97**	**2**	**99**	**0**	**0**	**0**	**97**	**2**	**99**
II Horticulture										
a) Vegetable Crops										
Production of low value and high value crops										
Off-season vegetables										
Nursery raising										
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation										
Others (pl specify)										
Total (a)										
b) Fruits										
Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit										
Management of young plants/orchards										
Rejuvenation of old orchards										
Export potential fruits										

Micro irrigation systems of orchards										
Plant propagation techniques										
Others (pl specify)										
Total (b)										
c) Ornamental Plants										
Nursery Management										
Management of potted plants										
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants										
Others (pl specify)										
Total (c)										
d) Plantation crops										
Production and Management technology										
Processing and value addition										
Others (pl specify)										
Total (d)										
e) Tuber crops										
Production and Management technology										
Processing and value addition										
Others (pl specify)										
Total (e)										
f) Spices										
Production and Management technology	2	38	17	55	0	0	0	38	17	55
Processing and value addition										
Others (pl specify)										
Total (f)	**2**	**38**	**17**	**55**	**0**	**0**	**0**	**38**	**17**	**55**
g) Medicinal and Aromatic Plants										
Nursery management										
Production and management technology										
Post harvest technology and value addition										
Others (pl specify)										
Total (g)										
Grand Total (a to g)										
III Soil Health and Fertility Management										
Soil fertility management										
Integrated water management										
Integrated Nutrient Management										
Production and use of organic inputs										
Management of Problematic soils										
Micro nutrient deficiency in crops										
Nutrient Use Efficiency										
Balance use of fertilizers										
Soil and Water Testing										

Others (pl specify)										
Total										
IV Livestock Production and Management										
Dairy Management	2	0	30	30	20	12	32	20	42	62
Poultry Management										
Piggery Management										
Rabbit Management										
Animal Nutrition Management	3	0	50	50	11	19	30	11	69	80
Disease Management	5	11	131	142	17	5	22	28	136	164
Feed & fodder technology	3	0	52	52	13	17	30	13	69	82
Production of quality animal products										
Others (pl specify)										
Total	**13**	**11**	**263**	**274**	**61**	**53**	**114**	**72**	**316**	**388**
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	4	0	93	93	0	0	0	0	93	93
Design and development of low/minimum cost diet	1	0	23	23	0	0	0	0	23	23
Designing and development for high nutrient efficiency diet	2	2	41	43	0	0	0	2	41	43
Minimization of nutrient loss in processing	1	0	18	18	0	4	4	0	22	22
Processing and cooking										
Gender mainstreaming through SHGs										
Storage loss minimization techniques										
Value addition	8	12	210	222	0	3	3	12	213	225
Women empowerment										
Location specific drudgery reduction technologies										
Rural Crafts										
Women and child care	2	2	63	65	0	0	0	2	63	65
Others (pl specify)										
Total	**18**	**16**	**448**	**464**	**0**	**7**	**7**	**16**	**455**	**471**
VI Agril. Engineering										
Farm Machinery and its maintenance										
Installation and maintenance of micro irrigation systems	2	50	25	75	0	0	0	50	25	75
Use of Plastics in farming practices										
Production of small tools and implements	4	131	60	191	1	0	1	132	60	192
Repair and maintenance of farm machinery and implements										
Small scale processing and value addition	1	18	10	28	18	2	20	36	12	48
Post Harvest Technology	1	47	32	79	0	0	0	47	32	79
Others (pl specify)										
Total	**8**	**246**	**127**	**373**	**19**	**2**	**21**	**265**	**129**	**394**
VII Plant Protection										
Integrated Pest Management	9	232	9	241	1	1	2	233	10	243

Integrated Disease Management	4	155	17	172	10	1	11	165	18	183
Bio-control of pests and diseases										
Production of bio control agents and bio pesticides										
Others (pl specify)										
Total	**13**	**387**	**26**	**413**	**11**	**2**	**13**	**398**	**28**	**426**
VIII Fisheries										
Integrated fish farming										
Carp breeding and hatchery management										
Carp fry and fingerling rearing										
Composite fish culture										
Hatchery management and culture of freshwater prawn										
Breeding and culture of ornamental fishes										
Portable plastic carp hatchery										
Pen culture of fish and prawn										
Shrimp farming										
Edible oyster farming										
Pearl culture										
Fish processing and value addition										
Others (pl specify)										
Total										
IX Production of Inputs at site										
Seed Production										
Planting material production										
Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production										
Organic manures production										
Production of fry and fingerlings										
Production of Bee-colonies and wax sheets										
Small tools and implements										
Production of livestock feed and fodder										
Production of Fish feed										
Mushroom Production										
Apiculture										
Others (pl specify)										
Total										
X Capacity Building and Group Dynamics										
Leadership development	1	3	17	20	0	0	0	3	17	20
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital	1	26	0	26	0	0	0	26	0	26

Entrepreneurial development of farmers/youths	1	0	25	25	0	0	0	0	25	25
WTO and IPR issues										
Others (pl specify)										
Total	**3**	**29**	**42**	**71**	**0**	**0**	**0**	**29**	**42**	**71**
XI Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (pl specify)										
Total										
GRAND TOTAL	**60**	**824**	**925**	**1749**	**91**	**64**	**155**	**915**	**989**	**1904**

Consolidate (On + Off)

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Weed Management										
Resource Conservation Technologies	5	116	86	202	0	0	0	116	86	202
Cropping Systems	1	25	0	25	0	0	0	25	0	25
Crop Diversification										
Integrated Farming	1	30	0	30	0	0	0	30	0	30
Micro Irrigation/irrigation										
Seed production										
Nursery management										
Integrated Crop Management	13	324	52	376	13	0	13	337	52	389
Soil & water conservation	2	40	10	50	0	0	0	40	10	50
Integrated nutrient management	2	74	2	76	0	0	0	74	2	76
Production of organic inputs	3	117	19	136	0	0	0	117	19	136
Others (pl specify)										
Total	**27**	**726**	**169**	**895**	**13**	**0**	**13**	**739**	**169**	**908**
II Horticulture										
a) Vegetable Crops										
Production of low value and high value crops	1	16	0	16	1	0	1	17	0	17
Off-season vegetables										
Nursery raising										
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation										
Others (pl specify)										
Total (a)	**1**	**16**	**0**	**16**	**1**	**0**	**1**	**17**	**0**	**17**
b) Fruits										

Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit	1	22	0	22	0	0	0	22	0	22
Management of young plants/orchards										
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques										
Others (pl specify)										
Total (b)	**1**	**22**	**0**	**22**	**0**	**0**	**0**	**22**	**0**	**22**
c) Ornamental Plants										
Nursery Management										
Management of potted plants										
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants										
Others (pl specify)										
Total (c)										
d) Plantation crops										
Production and Management technology										
Processing and value addition										
Others (pl specify)										
Total (d)										
e) Tuber crops										
Production and Management technology										
Processing and value addition										
Others (pl specify)										
Total (e)										
f) Spices										
Production and Management technology	3	53	17	70	0	0	0	53	17	70
Processing and value addition	1	2	24	26	0	0	0	2	24	26
Others (pl specify)										
Total (f)	**4**	**55**	**41**	**96**	**0**	**0**	**0**	**55**	**41**	**96**
g) Medicinal and Aromatic Plants										
Nursery management										
Production and management technology										
Post harvest technology and value addition										
Others (pl specify)										
Total (g)										
Grand Total (a to g)	**4**	**55**	**24**	**79**	**1**	**0**	**1**	**56**	**24**	**80**
III Soil Health and Fertility Management										
Soil fertility management										
Integrated water management										

Integrated Nutrient Management										
Production and use of organic inputs										
Management of Problematic soils										
Micro nutrient deficiency in crops										
Nutrient Use Efficiency										
Balance use of fertilizers										
Soil and Water Testing										
Others (pl specify)										
Total										
IV Livestock Production and Management										
Dairy Management	6	14	149	163	20	12	32	34	161	195
Poultry Management										
Piggery Management										
Rabbit Management										
Animal Nutrition Management	3	0	50	50	11	19	30	11	69	80
Disease Management	9	28	242	270	17	8	25	45	250	295
Feed & fodder technology	5	19	103	122	13	17	30	32	120	152
Production of quality animal products										
Others (pl specify)										
Total	**23**	**61**	**544**	**605**	**61**	**56**	**117**	**122**	**600**	**722**
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	4	0	93	93	0	0	0	0	93	93
Design and development of low/minimum cost diet	1	0	23	23	0	0	0	0	23	23
Designing and development for high nutrient efficiency diet	2	2	41	43	0	0	0	2	41	43
Minimization of nutrient loss in processing	1	0	18	18	0	4	4	0	22	22
Processing and cooking										
Gender mainstreaming through SHGs										
Storage loss minimization techniques										
Value addition	9	12	234	246	0	3	3	12	237	249
Women empowerment										
Location specific drudgery reduction technologies										
Rural Crafts										
Women and child care	2	2	63	65	0	0	0	2	63	65
Others (pl specify)										
Total	**19**	**16**	**472**	**488**	**0**	**7**	**7**	**16**	**479**	**495**
VI Agril. Engineering										
Farm Machinery and its maintenance										
Installation and maintenance of micro irrigation systems	3	79	34	113	2	1	3	81	35	116
Use of Plastics in farming practices	1	12	0	12	2	0	2	14	0	14
Production of small tools and implements	6	165	67	232	1	0	1	166	67	233

Repair and maintenance of farm machinery and implements										
Small scale processing and value addition	1	18	10	28	18	2	20	36	12	48
Post Harvest Technology	2	96	32	128	1	0	1	97	32	129
Others (pl specify)										
Total	**13**	**370**	**143**	**513**	**24**	**3**	**27**	**394**	**146**	**540**
VII Plant Protection										
Integrated Pest Management	11	270	24	294	1	1	2	271	25	296
Integrated Disease Management	5	196	17	213	22	1	23	218	18	236
Bio-control of pests and diseases	2	67	0	67	2	0	2	69	0	69
Production of bio control agents and bio pesticides	2	3	68	71	0	2	2	3	70	73
Others (pl specify)										
Total	**20**	**536**	**109**	**645**	**25**	**4**	**29**	**561**	**113**	**674**
VIII Fisheries										
Integrated fish farming										
Carp breeding and hatchery management										
Carp fry and fingerling rearing										
Composite fish culture										
Hatchery management and culture of freshwater prawn										
Breeding and culture of ornamental fishes										
Portable plastic carp hatchery										
Pen culture of fish and prawn										
Shrimp farming										
Edible oyster farming										
Pearl culture										
Fish processing and value addition										
Others (pl specify)										
Total										
IX Production of Inputs at site										
Seed Production										
Planting material production										
Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production										
Organic manures production										
Production of fry and fingerlings										
Production of Bee-colonies and wax sheets										
Small tools and implements										
Production of livestock feed and fodder										
Production of Fish feed										
Mushroom Production										

Apiculture										
Others (pl specify)										
Total										
X Capacity Building and Group Dynamics										
Leadership development	1	3	17	20	0	0	0	3	17	20
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital	2	41	0	41	0	0	0	41	0	41
Entrepreneurial development of farmers/youths	1	0	25	25	0	0	0	0	25	25
WTO and IPR issues										
Others (pl specify)										
Total	**4**	**44**	**42**	**86**	**0**	**0**	**0**	**44**	**42**	**86**
XI Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (pl specify)										
Total										
GRAND TOTAL	**112**	**1846**	**1520**	**3366**	**124**	**70**	**194**	**1970**	**1590**	**3560**

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

Area of training	No. of Courses	No. of Participants								
		General/ Others			SC/ST			Grand Total		
		M	F	T	M	F	T	M	F	T
Nursery Management of Horticulture crops										
Training and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming										
Seed production										
Production of organic inputs										
Planting material production										
Vermi-culture										
Mushroom Production										
Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery and implements										
Value addition										
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
Production of quality animal products										
Dairying										
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										
Poultry production										
Ornamental fisheries										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Any other (pl. specify)										
TOTAL	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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

Area of training	No. of Courses	No. of Participants								
		General/ Others			SC/ST			Grand Total		
		M	F	T	M	F	T	M	F	T
Nursery Management of Horticulture crops										
Training and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming										
Seed production	2	58	42	100	0	0	0	58	42	100
Production of organic inputs										
Planting material production										
Vermi-culture										
Mushroom Production										
Bee-keeping										
Sericulture										

Area of training	No. of Courses	No. of Participants								
		General/ Others			SC/ST			Grand Total		
		M	F	T	M	F	T	M	F	T
Repair and maintenance of farm machinery and implements										
Value addition	1	0	37	37	0	0	0	0	37	37
Small scale processing										
Post Harvest Technology	1	32	18	50	0	0	0	32	18	50
Tailoring and Stitching										
Rural Crafts										
Production of quality animal products										
Dairying										
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										
Poultry production										
Ornamental fisheries										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Any other (pl. specify)										
TOTAL	**4**	**90**	**97**	**187**	**0**	**0**	**0**	**90**	**97**	**187**

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

Area of training	No. of Courses	No. of Participants								
		General/ Others			SC/ST			Grand Total		
		M	F	T	M	F	T	M	F	T
Nursery Management of Horticulture crops										
Training and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming										
Seed production	2	58	42	100	0	0	0	58	42	100
Production of organic inputs										
Planting material production										
Vermi-culture										
Mushroom Production										
Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery and implements										
Value addition	1	0	37	37	0	0	0	0	37	37
Small scale processing										
Post Harvest Technology	1	32	18	50	0	0	0	32	18	50
Tailoring and Stitching										
Rural Crafts										
Production of quality animal products										
Dairying										
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										
Poultry production										
Ornamental fisheries										
Composite fish culture										

Area of training	No. of Courses	No. of Participants								
		General/ Others			SC/ST			Grand Total		
		M	F	T	M	F	T	M	F	T
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Any other (pl. specify)										
TOTAL	**4**	**90**	**97**	**187**	**0**	**0**	**0**	**90**	**97**	**187**

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

Area of training	No. of Courses	No. of Participants								
		General/ Others			SC/ST			Grand Total		
		M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops	2	17	19	36	4	18	22	21	37	58
Integrated Pest Management	3	67	1	86	7	2	9	74	21	95
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	1	2	14	16	0	8	8	2	22	24
Low cost and nutrient efficient diet designing										
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application	1	11	5	16	7	2	9	18	7	25
Management in farm animals										
Livestock feed and fodder production										
Household food security										
Any other (Production and management technology- Horticulture)	1	33	17	50	0	0	0	33	17	50
TOTAL	8	130	74	204	18	30	48	148	104	252

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

Area of training	No. of Courses	No. of Participants								
		General/ Others			SC/ST			Grand Total		
		M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops										
Integrated Pest Management										
Integrated Nutrient management										
Rejuvenation of old orchards										
Protected cultivation technology										
Production and use of organic inputs										
Care and maintenance of farm machinery and implements										
Gender mainstreaming through SHGs										
Formation and Management of SHGs										
Women and Child care										
Low cost and nutrient efficient diet designing										
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application										
Management in farm animals										
Livestock feed and fodder production										
Household food security										
Any other (pl.specify)										
TOTAL	0	0	0	0	0	0	0	0	0	0

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

Area of training	No. of Courses	No. of Participants								
		General/ Others			SC/ST			Grand Total		
		M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops	2	17	19	36	4	18	22	21	37	58
Integrated Pest Management	3	67	1	86	7	2	9	74	21	95
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	1	2	14	16	0	8	8	2	22	24
Low cost and nutrient efficient diet designing										
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application	1	11	5	16	7	2	9	18	7	25
Management in farm animals										
Livestock feed and fodder production										
Household food security										
Any other (Production and management technology- Horticulture)	1	33	17	50	0	0	0	33	17	50
TOTAL	**8**	**130**	**74**	**204**	**18**	**30**	**48**	**148**	**104**	**252**

Sponsored training programmes

Area of training	No. of Courses	No. of Participants								
		General/ Others			SC/ST			Grand Total		
		M	F	T	M	F	T	M	F	T
Crop production and management										
Increasing production and productivity of crops										
Commercial production of vegetables										
Production and value addition										
Fruit Plants										
Ornamental plants										
Spices crops										
Soil health and fertility management										
Production of Inputs at site										
Methods of protective cultivation										
Others (pl. specify)										
Total										
Post harvest technology and value addition										
Processing and value addition										
Others (pl. specify)										
Total										
Farm machinery										
Farm machinery, tools and implements										
Others (pl. specify)										
Total										
Livestock and fisheries										
Livestock production and management										
Animal Nutrition Management										
Animal Disease Management										
Fisheries Nutrition										
Fisheries Management										
Others (pl. specify)										
Total										
Home Science										
Household nutritional security										
Economic empowerment of women										
Drudgery reduction of women										
Others (pl. specify)										
Total										

Area of training	No. of Courses	No. of Participants								
		General/ Others			SC/ST			Grand Total		
		M	F	T	M	F	T	M	F	T
Agricultural Extension										
CapacityBuilding and Group Dynamics										
Others (pl. specify)										
Total										
GRAND TOTAL										

Details of vocational training programmes carried out by KVKs for rural youth (4 or more than 4 days)

Area of training	No. of Courses	No. of Participants								
		General/ Others			SC/ST			Grand Total		
		M	F	T	M	F	T	M	F	T
Crop production and management										
Commercial floriculture										
Commercial fruit production										
Commercial vegetable production										
Integrated crop management										
Organic farming										
Others (pl. specify)										
Total										
Post harvest technology and value addition										
Value addition	1	0	37	37	0	0	0	0	37	37
Others (Post harvest technology)	1	32	18	50	0	0	0	32	18	50
Total	**2**	**32**	**55**	**87**	**0**	**0**	**0**	**32**	**55**	**87**
Livestock and fisheries										
Dairy farming										
Composite fish culture										
Sheep and goat rearing										
Piggery										
Poultry farming										
Others (pl. specify)										
Total										
Income generation activities										
Vermicomposting										
Production of bio-agents, bio-pesticides,										
bio-fertilizers etc.										
Repair and maintenance of farm machinery										
and implements										
Rural Crafts										
Seed production	2	58	42	100	0	0	0	58	42	100
Sericulture										
Mushroom cultivation										
Nursery, grafting etc.										
Tailoring, stitching, embroidery, dying etc.										
Agril. para-workers, para-vet training										
Others (pl. specify)										
Total	2	58	42	100	0	0	0	58	42	100
Agricultural Extension										
Capacity building and group dynamics										
Others (pl. specify)										
Total										
Grand Total	**4**	**90**	**97**	**187**	**0**	**0**	**0**	**90**	**97**	**187**

3.5. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	Total
Advisory Services	807	807	0	807
Diagnostic visits	24	66	0	66
Field Day	25	941	0	941
KisanGhosthi	5	551	0	551
Film Show	19	683	12	695
KisanMela	2	2595	0	2595
Exhibition	2	2595	0	2595
Ex-trainees Sammelan	2	80	0	80
Farmers' seminar/workshop	5	716	52	768
Method Demonstrations	21	866	18	884
Celebration of important days	9	464	0	464
Scientists visit to farmers field	6	30	0	30
Group meetings	5	70	0	70
FLD field visit	77	811	0	811
OFT field visit	8	43	0	43
Lecture delivered	59	4939	624	5563
Farmer visit to KVK and farm	95	7706	302	8008
Soil sample analysis	1005	884	0	884
Watersample analysis	93	55	0	55
Plantsample analysis	22	22	0	22
Others programmes	23	8574	0	8574
Total	**2314**	**33498**	**1008**	**34506**

Note- Advisory services includes social media, website, telephonic calls etc.

Details of other extension programmes:

Particulars	Number
Electronic Media (CD./DVD)	
Extension Literature	6
Newspaper coverage	23
Popular articles	
Radio Talks	
TV Talks	22
Animal health camps (Number of animals treated)	
Social Media (No. of platforms Used) Whats App, Facebook, Youtube, Twitter	4
Youtube video KVK Mehsana	28
Total	**83**

3.6 Online activities during year 2024

S. No.	Activity Type	Mode of implementation	Title of Program	No. of Programmes	No. of Participants/ Views
-	-	-	-	-	-

3. 7. PRODUCTION OF SEED/PLANTING MATERIALS AND BIO-PRODUCTS

Production of seeds by the KVKs

Crop	Name of the crop	Name of the Variety	Name of the hybrid	Quantity of the seed Production(q)	Value (Rs)	Number Farmer
Cereal			-			
	Wheat	GW 451	-	15.57	53740	11
	Wheat	GW 496	-	13.89	48566	17
	Wheat	GW 499	-	8.46	30400	21
	Wheat	GW 513	-	7.03	23560	19
Oilseed			-			
	Mustard	GDM 4	-	4.36	35782	148
Pulse	Greengram	GM 4	-	0.80	9648	22
	Blackgram	GU 2	-	2.25	17957	10
	Blackgram	GU 4	-	1.88	13440	10
Commercial Crop						
Vegetables						
Flower crops						
Spices						
Fodder crop seed						
Fiber crops						
Forest species						
Other		-	-			
Total				54.24	233093	258

Production of planting materials by the KVK

Crop	Name of the crop	Name of the Variety	Name of the hybrid	Number	Value (Rs)	Number Farmer
Commercial Crop						
Vegetable seedlings	Drumstick	PKM 1	-	11	110	7
	Brinjal Tomato Chilli Cabbage	Anand doli Anand roma Anand tej -	-	6300	-	110
Fruits	Lime	Kagzi		25	625	13
	Mango	Kesar		2	55	2
	Papaya	Madhubindu	-	66	660	6
Ornamental plants	Ornamental	-	-	142	1670	7
Medicinal and Aromatic	Kapuripan	-	-	45	1350	22
Plantation						
Spices	Fennel	GF 12	-	1500	-	-
Tuber						
Fodder crop saplling						
Forest species						
Total				**8091**	**4470**	**167**

Production of Bio-Products

Bio Product	Name of the Bio Product	Quantity Kg	Value (Rs.)	No. of Farmer
Bio Fertilizers	Jeevamrut	995 ltr	1910	9
	Ghan Jivamrut	65	650	1
Bio Pesticide	-	-	-	
Bio Fungicide	-	-	-	
Bio Agent	-	-	-	
Other	Vermicompost	4527	45515	86
	Vermi worm	274	68500	53
	Azolla	29	1450	19
Total				

Value addition				
	Moringa leaves powder	7.8	9360	37
	Aonla Juice	1554 ltr	155400	1250

Production of livestock materials

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

4. Literature Developed/Published (with full title, author & reference)

G. KVK News Letter

Sr.No	Date of start	Periodicity	Number of copies distributed
1	January, 2010	Yearly (January 2024 – December 2024), 20th volume	500

B. Literature developed/published

Item	Title	Authors name	Number
Literature			
1	Apna jilla nu krushi dham atle Krishi vigyan Kendra	Shri. M R Patel ,Dr. R A Patel	4000
2	Prakrutik Kheti	Shri B K Patel,Dr. R A Patel	3000
3	Pasuoni bimariona gharghathhu upchar	Dr.S.M. Soni, Dr.R.A. Patel	2000
4	Jamin Pani Namuna Levani yogya paddhati	Shri B K Patel,Dr. R A Patel	2000
5	Magfalini Vaigyanik Kheti Paddhati	Shri B K Patel,Dr. R A Patel	2000
6	Amlani Mulya Vardhit Banavato	Smt.Babita Ramnivas,Dr. R A Patel	2000
News paper Coverage/Press Release			
20-Jan-2024	Krishi Vigyan Kendra,Kherva khate masala pakoni Mulayvardhan talim sibir yojai	Mr. R A Kachhadia,Dr.S M Soni,Dr. R A Patel	Nibhav
20-Jan-2024	Krishi Vigyan Kendra,Kherva khate masala pakoni Mulayvardhan talim sibir yojai	Mr. R A Kachhadia,Dr.S M Soni,Dr. R A Patel	Sarhad no sad
17-Feb-2024	prakrutik krishi pradarshan seminar, 1100 khedutoe upshith rahi prakrutik kheti ange mahiti melvi	Team	Sandesh
21-Feb-2024	krishi vigyan kendra ganpat university mehsana khate 20-21 february na roj be divsiy prakrutik kheti jagruti karykram yojayo	Team	E-Paper (Online News)
22-Feb-2024	krishi vigyan kendra ganpat university ma prakrutik kheti jagrutik karykram yojayo	Team	Divya Bhaskar
28-Feb-2024	Kendra sarkarna rajay kashana krushimantrie ganpat universityni ek abhyas mulakat lidhi	Team	Sandesh
29-Feb-2024	Krushi Mantri Kailash chudhary Ganpat uni. mi mulakate - Mnatri e Miyavaki Microforest , Green project sahit ni jankari melvi	Team	Divya Bhaskar
29-Feb-2024	Kendra sarkarna rajyakaxana krushimantri e Ganpat uni. ni ek abhyas mulakat lidhi	Team	Sandesh
01-Mar-2024	Ganapat Unuversity kherva khate 37 kheduto ne vaigyaniko dwara Matdan Margdarshan Apyu	Dr. R A Patel,Shri M R Patel	Garvitakat
01-Apr-2024	Ganapat Unuversity kherva khate 37 kheduto ne vaigyaniko dwara Matdan Margdarshan Apyu	Dr. R A Patel,Shri M R Patel	BKNews
01-Apr-2024	Ganapat Unuversity kherva khate 37 kheduto ne vaigyaniko dwara Matdan	Dr. R A Patel,Shri M R Patel	Divya Bhaskar

	Margdarshan Apyu		
01-Apr-2024	Ganapat Unuversity kherva khate 37 kheduto ne vaigyaniko dwara Matdan Margdarshan Apyu	Dr. R A Patel,Shri M R Patel	Garvi Takat
04-May-2024	Arthi game kudrati kheti vishayak talim yojai	Shri B K Patel,Miss. Babita. R.	Gujarat Samachar
06-May-2024	Arthima kudrati kheti vishayak talim lidhi	Shri B K Patel,Miss. Babita. R.	Divya Bhaskar
13-Jun-2024	Bhasariyama Prakrutik modal farm par khedut sibir ane talim karyakram yojai gayo	Shri B K Patel	Sandesh
19-Jun-2024	Mehsana jilla na 2.30 lakh kheduto ne kisan sanman nidhi na 17 ma hapta mo ru.49.38 karod ni sahay mali	Team	Divya Bhaskar
19-Jun-2024	PM Kisan Sanman live at KVK Mehsana	Team	TV-Chanel
25-Jul-2024	Bahuchrajina Bariyaf gamna 34 kheduto ae kherva krushi vigyan kendra ma bhag lidho	Shri B K Patel	Sandesh
29-Jul-2024	krishi vigyan kendra kherva khate prakrutik krushini talim	Shri B K Patel	Ankus
29-Aug-2024	Bhare varsad thi have pak na mathe rogchala no khataro	Dr. R A Patel	Divya Bhaskar
28-Sep-2024	Limbuni vadina navinikaran skim ange talim apayi, 50 khedutoae bhag lidho	Dr. R A Patel	Sandesh
06-Nov-2024	Nabali thandini asar vavetar na samay ne badalava majboor kari sake chhe : Nishanant	Dr. R A Patel	Divya Bhaskar
30-Nov-2024	Workshop on Jokhmi jantunashk davao ange jagruti	Dr. R A Patel,Shri B K Patel,	Gujarat Samachar
News Channel			
19-Jun-2024	PM Kisan Sanman live at KVK Mehsana	Team	TV-Chanel
03-Sep-2024	Cotton crop is flooded with water, do so, there will be a big loss left	Dr. R A Patel	NEWS 18 Gujarati
10-Sep-2024	Scientist gives advice on what to do to increase cow and buffalo milk	Dr. R A Patel	NEWS 18 Gujarati
11-Sep-2024	80% failure of castor crop, advises agriculture scientist	Dr. R A Patel	NEWS 18 Gujarati
11-Sep-2024	This eel crop will be wiped out, controlled as soon as possible, the damage will be left	Dr. R A Patel	NEWS 18 Gujarati
15-Sep-2024	This indigenous jugaad will increase the production of peanuts, know what the agricultural scientist said?	Dr. R A Patel	NEWS 18 Gujarati
01-Oct-2024	Tired of the cost of animal feed? This is the best option, milk will also increase	Dr.S M Soni	NEWS 18 Gujarati
03-Oct-2024	Every farmer gets knowledge of agriculture in Krishi Vigyan Kendra, 53 thousand farmers benefited	Dr. R A Patel	NEWS 18 Gujarati
14-Nov-2024	There is no cure for this disease in chillies, this is the only option	Dr. R A Patel	NEWS 18 Gujarati
25-Nov-2024	Pay special attention to this while planting wheat, you will get rid of	Dr. R A Patel	NEWS 18 Gujarati

	termite disease		
25-Nov-2024	What to do to stop blight in wheat crop? Doing this will be beneficial	Dr. R A Patel	NEWS 18 Gujarati
25-Nov-2024	What kind of potatoes do you want to grow? This is the best kind	Ms. R. G Barad	NEWS 18 Gujarati
25-Nov-2024	What kind of potatoes do you want to grow? This is the best kind	Ms. R. G Barad	NEWS 18 Gujarati
27-Nov-2024	aavi rite karo bataka nu vavetar, man nahi tan ma thase utpadan	Ms. R. G Barad	NEWS 18 Gujarati
28-Nov-2024	ajama nu utpadan vadharva aa 3 mudda nu dhyan rakhvu.	Ms. R. G Barad	NEWS 18 Gujarati
09-Dec-2024	pashu ni kharidi kevi rite karvi	Dr.S M Soni	NEWS 18 Gujarati
12-Dec-2024	pashupalako e navjat vachardi ke padi nu dyan kevi rite rakhvu	Dr.S M Soni	NEWS 18 Gujarati
16-Dec-2024	gay ke bhens gabhan n thay to su karvu? Nishnate aapi mahtv ni salah	Dr.S M Soni	NEWS 18 Gujarati
16-Dec-2024	gay ane bhens gabhan che? Atli kalji rakho, tandurast bacchu janmse ane dudh vadhse	Dr.S M Soni	NEWS 18 Gujarati
21-Dec-2024	Best Time of Ajwain Harvesting	Ms. R. G Barad	NEWS 18 Gujarati
23-Dec-2024	Lili iyal thi chana na utpadan ma thai shake chhe ghatado	Dr. R A Patel	NEWS 18 Gujarati
27-Dec-2024	gay ane bhes na piva na pani ma muki do aa nani potli , dudh ni bharase dol	Dr.S M Soni	NEWS 18 Gujarati

C. Details of Electronic Media Produced

S. No.	Type of media (CD / VCD / DVD/ Audio-Cassette)	Title of the programme	Number
1	YouTube video	Videoa on various topic relavant to district crops and KVK activities **(**Uploaded in channel **)** List **:** 1. Give this decoction immediately after calving to a cow or buffalo to .increase milk and fat 2. Annual milk production of rs. 16 lacs whithout one labour, story of 31 years old urvesh patel 3. Rain from animal husbandry**40**Income of lakhs**,**Daily**380**Chaudhary Shardaben Baldevbhai fills liters of milk in the dairy 4. Keep these five things in mind while buying an animal, otherwise you will regret it. 5. Keep this in mind before and after milking, otherwise there will be .a decrease in milk and fat 6. If you feed dry fodder to dairy cattle in this way, there will be a huge increase in milk and fat, otherwise there will be no increase in fat. 7. Keep these five things in mind while buying an animal, otherwise .you will regret it 8. Ways to store grains and keep them pest-free 9. Take good care of dairy cattle in summer 10. .The nectar of agriculture is the nectar of life 11. Protect your animal from lice and nits 12. of animals and its home remedies (ear) Inflammation of the vulva 13. Wheat storage for seed purpose 14. Crop protection in natural farming through Nimastra 15. How Save Him self from dehydration **?** || Ways to avoid heatstroke 16. How to make nutritional powder||Nutrient powder for baby's health 17. How to make Mango sharbat **?** || The nectar of the summer season is Aam Panna. 18. Seed treatment in groundnut|| Groundnut seed treatment ||Scientific farming method of groundnut 19. PM Live and Kisan Sanman Nidhi 17th Installment release Programme Date. 18th June,2024 20. Control of armyworm and cutworm in Urad || blackgram insect control 21. Accurate control of root rot and termites in cotton crops || .Dr Ramesh Patel || KVK Mehsana 22. Control of sucking pests in cotton Green sedge**,** Molo**,** Mealybug**,**White fish Cotton pest control 23. Training and pruning in lemon crops 24. Care of animals during pregnancy and lactation 25. Care of new born baby animals 26. Krishi Mela At KVK 27. Block Level Mela At KVK Mehsana 28. Second day of krishi mela at KVK Mehsana	28

D. Details of Social Media Platforms Created / Used

S. No.	Type of social media platform	Title of social media	Number of Followers/ Subscribers
1	YouTube Channel	KVKMehsana	3770
2	Facebook page/ Account	KVKMehsana	1700
3	Mobile Apps	-	-
4	WhatsApp groups	Group -40	1560
5	Twitter Account	@KVKMEHSANA1	211
6	Any other **(**Pl**.** Specify**)**		

D. Success Stories / Case studies, if any (two or three pages write-up on each case with suitable action photographs. The Success Stories / Case Studies need not be restricted to the reporting period).

Success Stories / Case Studies

Success Story -1	CFLD –Oilseed Castor - 2023-24
	Patel Ashvinbhai Ranchhodbhai
Success Story -2	Scientific dairy farming- A Profitable business
	Patel Amit Vishnubhai
Success Story -3	Mulching technology for watermelon production
	Patel Hasmukhbhai Devjibhai
Success Story -4	Kitchen garden – House hold food security
	Patel Anitaben Shaileshbhai

Success Story - 1 :

Technology Module and success story under CFLDs Oilseeds 2023-24

Technology Module

Variety	:	GCH 8, 5-6 kg /ha
Spacing	:	150 x 120 cm
Bio fertilizer	:	PSB ,1.25 lit /ha , Azotobacter, 1.25 lit /ha
Seed treatment	:	Trichoderma 10 gm / kg seeds
Chemical fertilizer	:	N : P : K - 180:40:00 kg/ha
Sulphur	:	20 kg/ha
Micronutrient Mixture	:	20 kg/ha (Fe 2%, 0.5% Mn,5% Zn, 0.2% Cu, 0.5% B)
Pest management (Sucking pest, i.eJassid, thrips, white fly and spodoptera, semi looper, capsule borer)	:	Quinalphos 25% EC: 20 ml / 10 liter water Beauveria bassiana : 40 gm / 10 liter water Neem Oil (10000 ppm) : 30 ml / 10 liter water
Disease management (Soil borne disease)	:	Trichoderma, 2.5 kg/ha enriched in FYM

Information about successful technological interventions under CFLDs on oilseeds and pulses:

- Short title of the technological intervention : Low productivity of Castor
- Farming situation :
  - Season : Kharif
  - Farming situation : Irrigated
  - Soil type : Sandy loam
  - Fertility status : N : P : K:S - Low : Medium : High : Low

  Climatic vulnerability
  - Seasonal rainfall : 881.96 mm
  - Rainy days : 42
- Problems identified

  During PRA activity conducted by KVK in different villages of Mehsana district, we found that the following problems for low productivity of castor in Mehsana district.
  - Don't use recommended agronomical practices.
  - Injudicious use of fertilizers.
  - No use of bio-fertilizers as well as micronutrients.
  - Unawareness about plant protection measures.

- Technological intervention in brief

Critical inputs	Name of critical input	Quantity
Seed	Variety , GCH 8	5 kg
Fertilizers	Sulphur	20 kg
Bio fertilizer	NPK Consortia	1.25 lit
Pesticides	Beauveria bassiana	2.4 kg,
	Profenophos	1 lit

- Efforts made by KVK / methodology followed
  - Prior to selection of FLD beneficiaries meeting/ Extension activities conducted: Group meeting -2 (53 beneficiaries)
  - Date of supply of inputs: 27&31/07/2023,30/11/2023,04/12/2023
  - Training programme :4 training programme, 105 Participants
  - No of field visits of scientists: 9 visits, 157 participants
  - Details of Field Days organized: 2 field days, 114 participants

Output

Crop	Thematic Area	Variety	No. of Farmers	Area (ha)	Yield (q/ha)				% Increase in yield
					Demo			Check	
					High	Low	Average		
Castor	Integrated Crop Management	GCH-8	50	20	45.76	33.28	37.50	26.63	18.67

Crop	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Castor	53614	206250	152636	3.85	58772	173800	115028	2.96

Outcome

As per performance of improved technology found that 18.67 % increase in yield and got net returns 152636 Rs./ha. Farmer got 32.69 % more Net profit over local. Fertilizer applied as per Soil Health Card (SHC) so, reduction in cost of chemical fertilizer. Farmer used bio-fertilizer and sulphur so, they got good germination, more yield and improved lustre of grains. Farmer also used bio-pesticides so they got good management of pests and disease as well as eco-friendly approach.

Impact of the intervention:

We have summarised the demonstrated technology, found that yield gap percentage between demonstration yield and potential yield (36 q/ha) is (-) 4.17 %.

No. of farmers benefited & area (ha) covered in adopted village, No. of farmers benefited & area

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
Castor	Integrated Crop Management	Full package	CFLD	25	680	325

Doubling farmer's income through CFLDs castor

Name of KVK	Mehsana
Crop and Variety	Castor , GCH 8
Name of farmer & Address	Patel Ashvinbhai Ranchhodbhai Village - Kot, Ta - Vijapur, Dist-Mehsana M.No. : 9979781415
Details of technology demonstrated	Castor Seeds GCH 8 : 4 kg,Sulphur- 20 kg, NPK consortia - 1.25 lit, Beauveria bassiana -2.4 kg,Profenophos - 1 lit.
Institutional Involvement	▪ Training ▪ Dissemination of technology ▪ Method demonstration ▪ Continuous field visit ▪ Organize field days
Success Point	▪ Higher yield ▪ Improved quality of grains ▪ Effectively manage of pests as well as diseases with eco-friendly approach
Farmer Feedback	▪ Suitability to their farming system : Yes (Good) ▪ Likings (Preference) : Good ▪ Affordability : Good ▪ Is Technology Acceptable to all in the group/Village : Yes ▪ Yield performance : Very Good

Yield (q/ha)

Demonstration	: 45.76
Potential yield of variety/technology	: 36.00
District average	: 24.56
State average	: 25.41

Performance of technology vis-à-vis Local check

Practice used	Yield (q/ha)	Gross cost (Rs/ha)	Gross income (Rs/ha)	Net income (Rs/ha)	B:C ratio
Farmer practices	31.60	58772	173800	115028	2.96
Demonstration	45.76	53614	251680	198066	4.69
% Increase	44.81	(-)8.78	44.81	72.19	-

Description of the results: As per performance of improved technology found that 44.81 % increase in yield and got net returns 198066 Rs. / ha. with 8.78%reduction in cost of cultivation. Farmer got 72.19 % more Net profit over local. Fertilizer applied as per Soil Health Card (SHC) so, reduction in cost of chemical fertilizer. Farmer used bio-fertilizer and sulphur so, they got good germination, more yield and improved lustre of grains. Farmer also used bio-pesticides so he got good management of pests and disease as well as eco-friendly approach.

Photographs

Field day at Village – Kot, Ta - Vijapur

Off campus training at Village – Kot, Ta- Vijapur

Off campus _ Input distribution

Success story -2 : Scientific dairy farming- A Profitable business

Name : **Patel Amit Vishnubhai**
Address : At and Post: Kherva, Ta.Mehsana, Dist: Mehsana
Pincode : 382711
Mobile no. : 9824779339
Age : 29 year
Education : M.com
Size of land holding : 0.24 ha

Situation analysis / Problem statement : Patel Amit Vishnubhai residing at village Kherva which is 4 km away from KVK Mehsana. He is 29 years old and studied upto M.com. He is in business of animal husbandry since 5 years started with 4 gir cows. His family members depend on agriculture and animal husbandry. He has not proper knowledge about feeding, breeding and vaccination so he was not fully satisfied with earning from his business.

Plan, Implement and Support : He comes in contact with KVK Mehsana before three years**.** He attended various training programmes and skill training at KVK**.** KVK expert gave him detailed information regarding scientific dairy farming in the training at KVK**.** He requested the KVK scientist to visit his farm**.**

Output: After attending various training programme on scientific dairy farming and skill training at KVK he decided to introduce high milk yielding Gir cows in his farm and till date he has 30 Gir cows. We had frequently visited his farm and gave him valuable suggestion to improve dairy farming and motivate for purchasing chaff cutter and milking machine. He purchased chaff cutter and started routine use of chaffing of green and dry fodder. He also renovates his cattle farm with scientific design. He also used chelated mineral mixture and deworming agent in cows to improve health.

Outcome: After attending varous training programme at KVK he got good profit in his dairy business by overcoming the problems**.** In current year- 2024, total 23725 liter milk production from Cows**.** He got total Rs**.**11, 22,000 profits from dairy business**.**

Impact : Seeing their success many farmers and farmwomen of nearby villages visit his cattle farm and are now coming forward to start dairy farming. He has created awareness among the farming community about scientific dairy farming.

Photographs:

Cattle farm visit

FLD Field visit by Scientist team

Success story – 3 : Mulching technology for Watermelon Production

Name	:	**Patel Hasmukhbhai Devjibhai**
Address	:	Village: Satlasana, Tal. : Satlasana Dist. : Mehsana
Pincode	:	384330
Mobile no.	:	9427684667
Age	:	46
Education	:	10 pass
Size of land holding	:	2 ha

He was participated in training programme on "Use of plastic mulch film practices on watermelon crop" at Krishi Vigyan Kendra in the year 2024. He was fully convinced to start cultivation of watermelon with adoption of drip irrigation and plastic mulch film. First year, he produced 48.50 tonnes watermelon and his production getting higher price due to better size, shape, shining and also sugar percentage of watermelon. He also sell fruit in retail rate on his own farm through social media and direct selling to consumer near by city and society area.

Details of technology	**:**	Silver-black 25 micron plastic mulch film
Institutional involvement	**:**	Due to hot and dry climatic condition, high temperature and evaporation occur during summer season and also farmers face a problem of deep Ground water table and poor quality of water for irrigation purpose. On View of that farmers training were conducted before conducting on Farm Trial. Two meeting were conducted to analyse the technology gap and to get information on soil, water and other conditions. Information provided to farmers through various follow-ups extension activity programme like field visit, diagnosis service, whatts app group, telephonic guidance were provided to farmers.
Success point	**:**	No issue of weed control also save herbicides cost as well spraying labour cost. Reduce irrigation hour also save irrigation water cost. Effective pest management also save pesticides cost as well spraying labour cost. Getting higher price of fruits through proper Marketing on social media.
Farmer Feedback	**:**	Size, shape, shining and sugar percentage of fruits is very good Getting higher qualitative fruit yield Effectvelly manage weed and save water, yellow sticky trap, neem oil, pheromone trap manage pest control effectively.

Performance of technology vis-a-vis Local check (increase in productivity and returns) :

Practice used	Yield (kg/ha)	COC (Rs/ha)	Gross Income (Rs/ha)	Net return (Rs/ha)	B:C ratio
Mulch Plot	48500	188940	485000	296060	2.56
Local Plot	37250	161018	260750	99732	1.61
% increase	30.20	17.34	86.00	196.85	

Outcome:

As per performance of improved technology found that 30.20% increase in yield and got net returns 296060 Rs/ha. Farmer got 196.85% more net profit over local. Due to intervention of silver-black plastic mulch, yellow sticky trap, pheromone trap, light trap effectively manage weed and pest management also save irrigation hour, herbicides, pesticides cost as well spraying labour cost and getting higher qualitative fruit yield with better selling price.

Impact of the intervention:

Farmers who have grown watermelon with adoption of drip irrigation and silver-black plastic mulch film getting higher yield with qualitative size, shape, shining and high in sugar percentage of watermelon than other farmers. The farmers of neighboring village were encouraged automatically by “seeing is Believing”.

Photographs

On campus training and FLD Kit distribution

Field day

Success story 4 : Kitchen garden – House hold food security

Name	:	Patel Anitaben Shaileshbhai
Address	:	Village-Venpura, Block-Becharaji, Dist-Mehsana
Pincode	:	384210
Mobile no.	:	6355386037
Age	:	43
Size of land holding	:	0.7 ha.

Situation analysis / Problem statement:

Patel Anitaben Shaileshbhai lives in Venpura village which is 60 km**.** away from Krishi Vigyan Kendra, Mehsana**.** The farm women of Mehsana district mostly engage with daily wages farm work which is different particular during cropping season**.** She is intelligent, innovative and hard worker**.**

Plan, Implement and Support:

KVK imparted training on kitchen garden in which Patel Jadiben participated and got information about how to grow the kitchen gardening scientifically**.** It has been decided to conducted FLD on kitchen gardening in adopted village Venpura**.** Vegetable seed kit, moringa plant and seedling of vegetable were provided to farm women under the FLD kitchen gardening**.** KVK had organized many more activities in Venpura village like training, FLD, OFT, Group meeting related to agriculture, animal husbandry and home science**.** If there is any problem KVK also provided telephonic guidance to farmers**.**

Output: She prepared kitchen garden in 110 sq**.** mtr**.** Area near her home's backyard space in bottle gourd, bitter gourd, ridge gourd, cow pea, okra, cluster bean, spinach, coriander, radish, brinjal, fenugreek, carrot, tomato, chilli, curry leaves, moringa and also grew lemon and guava plant**.** She grows all seasonal vegetable in kitchen garden**.**

Outcome: She produced fresh and organic vegetables for her household uses**.** Total yield is 280 Kgs during the year 2023-24 from her kitchen garden**.**

Impact: Kitchen garden is helping rural women towards healthcare and diet awareness**.** She also inspired other women of the village to grow a kitchen garden for nutritional securities**.** She can get organic vegetable throughout the year from her kitchen garden**.** She saved 14,000 Rs**.** Per year and 234 days vegetable requirement fulfill from her kitchen garden

Photographs:

E. Give details of innovative methodology or innovative technology of Transfer of Technology developed and used during the year : -

F. Give details of indigenous technology practiced by the farmers in the KVK operational area which can be considered for technology development (in detail with suitable photographs)

S. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK
1	Livestock	▪ Use of Sesame oil, Garlic and Turmeric	for udder edema
2	Crop	▪ Use slurry of cow dung and urine	To reduce the damage by neel cow in crop
		▪ Use of Panchparni Arc, Nimastra, Bhramastra	To manage pests

5.1. Indicate the specific training need analysis tools/methodology followed for

A. Practicing Farmers

a) PRA
b) Group discussion
c) Benchmark survey

B. Rural Youth

a) PRA

C. In-service personnel

a) Department contact

5.2. Indicate the methodology for identifying OFTs/FLDs

For OFT:

a) PRA
b) Problem identified from Matrix
c) Field level observations
d) Farmer group discussions

For FLD:

a) New variety/technology/Intervention
b) Poor yield at farmers level
c) Existing cropping system

5.3. Field activities

a) Name of villages identified/adopted with block name (from which year) –Mohanpura
b) No. of farm families selected per village : 25
c) No. of survey/PRA conducted : 1
d) No. of technologies taken to the adopted villages: 7
e) Name of the technologies found suitable by the farmers of the adopted villages : 5
f) Impact (production, income, employment, area/technological– horizontal/vertical):
g) Constraints if any in the continued application of these improved technologies:

6. LINKAGES

A. Functional linkage with different organizations

Sr.No	Name of Organization	Nature of Linkage
1	DSC, Visnagar	Joint implement
2	Sardarkrushinagar Dantiwada Agricultural University , Sardarkrushinagar	Technical backstopping
3	Anand Agricultural University , Anand	Technical support
4	District Agriculture Officer, Mehsana	Joint implementation
5	Deputy Director **(**Horticulture**)**, Mehsana	Joint implementation
6	NABARD, Mehsana	Joint implementation for farmers clubs and Strengthening of SHGs
7	ATMA, Mehsana	Joint implementation
8	Dena Bank, Mehsana	Member of SAC, For S**.**H**.**G**.** formation
9	G**.**S**.**F**.**C**.**, G**.**N**.**F**.**C**.** and IFFCO	Joint implementation, FLD Inputs
10	Main Seed Spices Research Station, SDAU, Jagudan	Technical support
11	DRDA	Participating in meeting, Member of SAC
12	Farmer Training Centre, Mehsana	Joint Implementation
13	Deputy Director **(**A**.**H**)**,Mehsana	Member of SAC, Various Govt**.** Scheme
14	Wheat Research Station, SDAU, Vijapur	FLD
15	Gujarat State Seed Corporation Ltd, Mehsana	Seed production, Input FLD
16	Self Employed Women Association **(**SEWA**)**, Mehsana	Joint Implementation
17	RSETI, Mehsana	Joint Implementation , Vocational trainings, Member of SAC
18	National Centre for Integrated Pest Management, New Delhi	Joint implementation
19	Junagadh Agricultural University, Junagadh	Technical backstopping
20	National Institute of Plant Health Management, Hyderabad	Technical support
21	Navsari Agricultural University, Navsari	Technical backstopping
22	District forest officer, Mehsana	Technical support
23	Regional fodder station, Dhamrod, Surat	Joint implementation
24	ICDS, Mehsana	Joint implementation
25	Cohesion foundation, Ahmedabad	Technical support
26	Dudhsagar Dairy, Mehsana	Joint implementation
27	GGRC, Mehsana	Joint implementation
28	BAIF, Mehsana	Technical support

B. List special programmes undertaken by the KVK and operational now, which have been financed by State Govt./Other Agencies

Name of the scheme	Date/ Month of initiation	Funding agency	Amount (Rs.)
-	-	-	-

C. Details of linkage with ATMA

a) Is ATMA implemented in your district : Yes

If yes, role of KVK in preparation of SREP of the district: -

Coordination activities between KVK and ATMA

S. No.	Programme	Particulars	No. of programmes attended by KVK staff	No. of programmes Organized by KVK	Other remarks
01	Meetings	AMC and AGB Meeting	3		
		SAC Meeting		1	
02	Research projects				
03	Training programmes	Collaborative training programme	1		
04	Demonstrations				
05	Extension Programmes				
	KisanMela		1		
	Pak Parisanvad	Pak Parisanvad	1		
	Exposure visit				
	Exhibition			1	
	Soil health camps				
	E Krishipath	E magazine			
	Animal Health Campaigns				
	Kisan Gosthi	Kisan gosthi organized by ATMA			
	Lecture delivered	Training and FFS	8		
06	Publications				
	Video Films				
	Books				
	Extension Literature	Technical guidance			
	Pamphlets				
	Others (Pl. specify)				
07	Farmer Selection committee	Award	1		
	Watershed approach				
	Integrated Farm Development				
	Agri-preneurs development				

D. Give details of programmes implemented under National Horticultural Mission

S. No.	Programme	Nature of linkage	Funds received if any Rs.	Expenditure during the reporting period in Rs.	Constraints if any
-	-	-	-	-	-

E. Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage	Funds received if any Rs.	Expenditure during the reporting period in Rs.	Remarks
-	-	-	-	-	-

F. Details of linkage with RKVY

S. No.	Programme	Nature of linkage	Funds received if any Rs.	Expenditure during the reporting period in Rs.	Remarks
-	--	-	-	-	-

G. Details of linkage with PKVY (Paramparagat Krishi VikasYojana)

S. No.	Programme	Nature of linkage	Funds received if any Rs.	Expenditure during the reporting period in Rs.	Remarks
1	Organic farming	Financial	-	-	

H. Details of linkage with NFSM

S. No.	Programme	Nature of linkage	Funds received if any Rs.	Expenditure during the reporting period in Rs.	Remarks
1	CFLD oilseeds	Financial			
2.	OMV- Mustard	Financial	10,13,000/-	8,59,491/-	

I. Details of linkage with SMAF (Sub-mission on Agroforestry)

S. No.	Programme	Nature of linkage	Funds received if any Rs.	Expenditure during the reporting period in Rs.	Remarks
-	-	-	-	-	-

7. Convergence with other agencies and departments: -

8. Innovator Farmer's Meet

Sl.No.	Particulars	Details
1	Have you conducted Farm Innovators meet in your district?	No
2	Brief report in this regard	

9. Farmers Field School (FFS)

S. No	Thematic area	Title of the FFS	Budget proposed in Rs.	Expenditure	Brief report
-	-	-	-	-	-

10.1. Technical Feedback of the farmers about the technologies demonstrated and assessed:

Sr.No	Technology assessed/demonstrated	Technical feedback of farmer
1	25 microns plastic mulch 5550 meter per hector	24.88 % water saving, 18.54% yield increased Silver black plastic mulch film manage thrips, aphids and sucking pest effectively
2	Lime: Lime harvester (JAU Recomonded)	83.20 % Reduction in dropping fruit
3	Wheat late sown variety GW 499	13.40 % test weight increased 15.00 % production increased
4	Blackgram - New Variety GU 4	High yielding variety (19.00% higher yield) 3.40 % test weight increased
5	Wheat GW 513 - 125 kg/ha	High yielding variety (9.45 % higher yield) Good for chapatti lodging resistant variety
6	Fennel : Beauveria bassiana-2.4 kg, Neem Oil -10000 ppm-1.8 lit	Bio-pesticides effectively managed sucking pest Qualitative production
7	Castor Castor Seeds GCH 8 : 4 kg,Sulphur-20 kg, NPK consortia - 1.2 lit, PSB culture-1.25 lit, Azotobactor culture - 1.25 lit, Beauveria bassiana -2.4 kg,Profenophos - 1 lit.	Variety GCH 8 is high yielding(18.67 %Higher yield) and wilt resistance, Sulphur- increase yield, Trichoderma- Effectively manage of rootrot, Beauveria bassiana Manage sucking pest, manage castor hairrycatter pillar
8	Mustard Seed GDM 4 - 3.5 kg, Sulphur-40 kg, PSB Culture-1.25 lit, Azotobactor-1.25 lit,Beauveria bassiana-2.5 kg, Neem Oil(10000 PPM)-1.8 lit,Sticky trap-10 nos, Pendimethalin-2.5 lit	Variety GDM 4 is high yielding(16.99 % higher yield), Sulphur- increase yield, Yellow sticky trap, Beauveria bassiana and Neem oil manage aphids effectively and increased bio agent population
10	Cotton (IPM) Beauveria bassiana 2.4 kg/ha, Neem Oil 30 ml/10 ltr. water, Pheromone trap 8 to 10/ha.	Bio-pesticides effectively manage sucking pest and pink bollwarm, Environmentally safety approach
11	Fodder sorghum Banas Chari	8.20% more green fodder yield
12	Use of soap permethrin 5% + cetrimide 1% + Aloevera (1%) apply and massage the leather on every part of body and wash after 1 hour	85% decrease Ectoparasite
13	Fodder Sorghum - Variety, COFS 31- 1 kg	13.28% more green fodder yield
14	Fenbendazole @ 3 gm/animal/6 month	Effectively manage worm infestation No adverse effect in pregnancy
15	Bypass protein	Increase 10.48 % milk production Increase 5.33 % fat
16	Chelated Mineral mixture - 3 kg	Increase 10.53 % milk production Increase 4.28 fat percent
17	Probiotic 1 kg	Increase 10.23 % milk production
18	Wheelhoe	Labour and time saving Low cost of weeding Doing interculturing without bending movement and hard work of labour Easy to operate while near row to row and plant to plant distance
19	Secutter	Labour and time saving at the time of harvesting of castor spike Less shoulder pain Droping of capsules are very lessduring harvesting spike
20	Kitchen garden	Continuously supply of fresh and organic vegetable at low cost Utilization of maximum backyard space and waste water Money saving

21	Dibbler (Cotton and Castor)	Easy for sowing without bending movement of body Excellent germination Saving of seeds cost Time saving

10.2. Technical Feedback from the KVK Scientists (Subject wise) to the research institutions/universities:

Subjest	Technology assessed/demonstrated	Technical feedback of Scientist
-	-	-

11. Technology Week celebrationduring 2024, Yes/No, If Yes **:** Yes

Period of observing Technology Week	:	23/09/2024 to 28/09/2024
Total number of farmers visited	:	484
Total number of agencies involved	:	0
Number of demonstrations visited by the farmers within KVK campus	:	13

Other Details

Types of Activities	No. of Activities	Number of Farmers	Related crop/livestock technology
Gosthies	4	170	Crops and livestock
Lectures organized	2	91	Crops and livestock
Exhibition	-	-	-
Film show	-	-	-
Fair	1	223	Crops and livestock
Farm Visit	-	-	-
Diagnostic Practicals	-	-	-
Supply of Literature (No.)	-	-	-
Supply of Seed (q)	-	-	-
Supply of Planting materials (No.)	-	-	-
Bio Product supply (Kg)	-	-	-
Bio Fertilizers (q)	-	-	-
Supply of fingerlings	-	-	-
Supply of Livestock specimen (No.)	-	-	-
Total number of farmers visited the technology week	-	-	-

12. Interventions on drought mitigation (if the KVK included in this special programme)

A. Introduction of alternate crops/varieties

State	Crops/cultivars	Area (ha)	Number of beneficiaries
-	-	-	-

B. Major area coverage under alternate crops/varieties

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

C. Farmers-scientists interaction on livestock management

State	Livestock components	Number of interactions	No. of participants
-	-	-	-
Total			

D. Animal health camps organized

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

E. Seed distribution in drought hit states (Seed distribution/sold by KVK)

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

F. Large scale adoption of resource conservation technologies

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

G. Awareness campaign

State	Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers
-	-	-	-	-	-	-	-	-	-	-	-	-
Total												

13. IMPACT

A. Impact of KVK activities (Not to be restricted for reporting period).

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./year)	After (Rs./year)
Seed production	50	15	-	17000
Vermicompost production	20	75	-	10500
Agriculture extension service provider	20	50	-	65000
Value addition	52	30	-	4500
Natural farming	250	40	-	13500
Micro Irrigation Technician	20	35	-	18500
Post harvest technology	50	20	-	2500
Spice seed production and value addition	50	30		12500

NB: Should be based on actual study, questionnaire/group discussion etc. with ex-participants.

B. Cases of large scale adoption

(Please furnish detailed information for each case)

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	**Oil seed**						
1.1	Castor	ICM	Castor Seeds GCH 8 : 4 kg,Sulphur- 20 kg, NPK Consortia -1.25 lit, Profenophos – 1 lit Beauveria bassiana -2.4 kg,	Training, CFLD, SMS, Field day, Krushi Mela, Diagnosis visit, Group meeting, Telephonic guidance, Mobile conference	285	4500	6650
1.2	Mustard	ICM	Seed GDM 4 - 3.5 kg, Sulphur-40 kg, PSB Culture-1.25 lit, Azotobactor-1.25 lit,Beauveria bassiana-2.4 kg, Neem Oil(10000 PPM)-1.8 lit,Sticky trap-10 nos, Pendimethalin-2.5 lit	Training, FLD, SMS, Field day, Krushi Mela, Diagnosis visit, Group meeting, Telephonic guidance, Method demonstration	375	5500	2300
1.3	Groundnut	ICM	Sulphur- 20 kg, Metarizium-5 kg , Trichoderma- 2.5 kg.,PSB culture-1.25 lit, Rhizobium	Training, CFLD, SMS, Field day, Krushi Mela, Diagnosis visit,	125	2150	1150

			culture - 1.25 lit, Beauveria bassiana -2.4 kg, HNPV-450 LE, SNPV 250 LE, Neem Oil (10000 ppm)-1.8 ltr.,Imazethapyr -750 gm	Group meeting, Telephonic guidance, Method demonstration			
2	**Pulses**						
2.1	Blackgram	ICM	Seed GU 1 - 20 kg, Sulphur - 20 kg, Rhizobium culture - 1.25 lit, PSB culture - 1.25 Lit, Beauveria bassiana - 2.4 k.g, Neem oil (10000 PPM)- 1.8 ltr	Training, FLD, SMS, Field day, Krushi Mela, Diagnosis visit, Group meeting, Telephonic guidance	75	1650	600
2.2	Chickpea	ICM	Seed GJG 5 - 60 kg, Sulphur-20 kg, PSB culture 1.25 lit, Rhizobium culture 1.25 lit,Neem oil-1.8 lit,HNPV-450 LE, Beauveria bassiana - 2.4 kg, Trichoderma - 2.5 kg	Training, SMS, Field day, Krushi Mela, Diagnosis visit, Group meeting, Telephonic guidance, Mobile conference, Method demonstration	35	440	230
3	**Other**						
3.1	Fennel	Varietal Evaluation	High yielding variety GF12 Beauveria bassiana - 2.4 Neem oil – 1000 PPM - 1.8 lit	Training, Krushi Mela, Telephonic guidance, Diagnosis visit, SMS	290	4400	1720
3.2	Wheat	IPM	Seed treatment of Fipronil/ Chorpyriphos @ 5 ml /kg seed	Training, Krushi Mela, Telephonic guidance, Diagnosis visit, SMS	415	1500	5400
3.3	Wheat	Varietal Evaluation	GW-451 @ 125 kg/ha and timely sowing	Training, Field day, Krushi Mela, Telephonic guidance, Diagnosis visit, FLD,SMS	280	5600	2150
3.4	Cumin	IDM	Propineb 70 % WP - 30 gms / 10 lit. water, Seed treatment of Mencozeb 5	Training, Field day, Krushi Mela,	15	550	190

			gm/ kg seed	Telephonic guidance, Diagnosis visit, SMS			
3.5	Micro Irrigation system	Micro Irrigation system	Drip Irrigation	Training, Method demonstration, Group meeting	220	870	630
3.6	Tomato	IPM	Trichogramma - 1.5 lakh (6 times), Beauveria bassiana - 2.4 kg, Neem Oil -10000 ppm-1.8 lit,HNPV 450 LE	Training, Field day, Krushi Mela, Telephonic guidance, Diagnosis visit, SMS	47	1550	1150
3.7	Sucking pest	Bio control	Beauveria bassiana - 2.4 kg, Neem Oil -10000 ppm-1.8 lit, Sticky trap-10 no.	Training, Field day, Krushi Mela, Telephonic guidance, Diagnosis visit, FLD,SMS	410	5100	4100
3.8	Wheat	Weed management	Post emergence weedicides Metsulfuron Methyl	Training	410	5700	6100
3.9	Farm Implements	Small tools and implements	Wheelhoe	Training, FLD , Method demonstration, Field day	165	2650	-
3.10	Farm Implements	Farm machinery and its maintenance	Seed cum fertilizer drill	Training, Method demonstration, Field day	155	5750	-
3.11	Farm Implements	Farm machinery and its maintenance	Rotavator	Training, Method demonstration	350	14000	-
3.12	Livestock	Feed management	Chelated Mineral mixture	Training, FLD, Field day	300	9000	-
3.13	Livestock	Feed management	Probiotic	Training, FLD, Field day	85	1700	-
3.14	Livestock	Disease management	Fenbendazole	Training, FLD	300	7000	-
3.15	Home Science	Value addition	Aonla product	Method demonstration, training, FLD	105	1500	-

3.16	Home Science	Household food security	Kitchen garden	Training, FLD, Field day, Field visit	200	2100	-
3.17	Farm Implements	Small tools and implements	Secutter	Training, FLD , Method demonstration, Field day	120	1250	-
4 Cash Crops							
4.1	Cotton	IPM	Pheromone trap-10 no/ ha , Beauveria bassiana - 2.4 kg, Neem Oil -10000 ppm-1.8 lit	Training, Field day, Krushi Mela, Telephonic guidance, Diagnosis visit, FLD,SMS	240	3200	1300

C. Details of impact analysis of KVK activities carried out during the reporting period

Table : 1 Adoption of the latest technologies by the farmers (n =40)

Sr. No.	Technology	Frequency	Adoption (%)
1	Scientific cultivation of major crops	28	70.0
2	Fodder production	24	60.0
3	Soil fertility management	22	55.0
4	Seed production technologies	13	32.5
5	Micro Irrigation System	16	40.0
6	Weed management	30	75.0
7	Soil and water conservation	21	52.5
8	Integrated Nutrients Management	28	70.0
9	Commercial fruit production	25	62.5
10	Improved technology in vegetables crops	26	65.0
11	Improved technology in spice crops	29	72.5
12	Production technology of Tuber crops	20	50.0
13	Enterprenureship development of farmers	14	35.0
14	Integrated Pest Management	30	75.0
15	Integrated Disease Management	27	67.5
16	Bio control of pests and disease	24	60.0
17	Post harvest technology	19	42.5
18	Dairy management	23	57.5
19	Disease management in animal	28	70.0
20	Feed management in animal	30	75.0
21	Small tools and implements	22	55.0
22	Production of organic inputs	26	65.0
23	Natural farming	15	37.5
	Overall adoption	**58.48%**	

Table 2: Adoption of the latest technologies by the farmwomen (n = 40)

Sr. No.	Technology	Frequency	Adoption (%)
1	Income generating activities	17	42.5
2	Value addition	24	60.0
3	Women and child care	28	70.0
4	Adoption of low cost high nutrient diet	23	57.5
5	Kitchen gardening	30	75.0
6	Self help group and its sustainability	18	45.0
7	Storage loss minimization technology	27	67.5
8	Dairy management	30	75.0
9	Feed management in animals	30	75.0
10	Weed management	19	48.5
11	Drudgery reduction	23	57.5
12	Small tools and implements	20	50.0
13	Post harvest technology	19	47.5
14	Disease management in animal	26	65.0
	Overall adoption	**59.71 %**	

14. Kisan Mobile Advisory Services

Month	No. of SMS sent	No. of farmers to which SMS was sent	No. of feedback / query on SMS sent
January 2024	2	43638	
February 2024	0	-	
March 2024	2	43932	
April 2024	3	65895	
May 2024	3	65898	
June 2024	4	87864	
July 2024	3	65902	
August 202	1	21969	
September 2024	0	-	
October 2024	2	43942	
November 2024	3	65916	
December 2024	1	21978	
Total	**24**	**526934**	**1012**

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weather	Marke-ting	Aware-ness	Other enterprise	Total
Mehsana	Text only	13	5			2	4	24
	Voice only							
	Voice & Text both							
	Total Messages	13	5			2	4	24
	Total farmers benefitted	**285591**	**109841**			**43932**	**87570**	**526934**

15. PERFORMANCE OF INFRASTRUCTURE IN KVK

A. Performance of Demonstration units (other than instructional farm)

Sl. No.	Demo Unit	Year of establishment	Area Sq M	Details of production			Amount (Rs.)		Remarks
				Variety	Produce	Qty.(kg)	Cost of inputs	Gross income	
1	Azolla	2016	40	Azolla piñata	Seed	29	-	1450	
2	Aonla juice	-	-	-	Commercial	1554		155400	
3	Moringa leaves poweder	2020	-	-	Commercial	7.8	-	9360	

B. Performance of instructional farm (Crops) including seed production

Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty. (Kg)	Cost of Inputs	Gross Income	
Cereals									
Pearlmillet	29/02/2024	25/05/2024	0.40	86 M 22	Commercial	1093	5800	24046	
Wheat	17/11/2023	12/03/2024	0.30	GW 496	Seed	1267	2400	48566	Prakrutik
Wheat	16/11/2023	19/03/2024	0.40	GW 451	Seed	1430	6200	53740	
Wheat	05/12/2023	14/03/2024	0.15	GW 499	Seed	800	4300	30400	
Wheat	22/11/2023	18/03/2024	0.30	GW 513	Seed	620	2100	23560	
Wheat	15/11/2024	-	0.60	GW 513	Seed	-	-	-	Standing
Wheat	20/11/2024	-	0.60	GW 451	Seed	-	-	-	Standing
Wheat	20/11/2024	-	0.50	GW 496	Seed	-	-	-	Standing
Wheat	12/12/2024		0.24	GW 499	Seed	-	-	-	Standing
Pulses									
Blackgram	30/06/2023	14/10/2023	0.30	GU 2	Seed	124	2300	17957	
Blackgram	30/06/2023	13/10/2023	0.30	GU 2	Seed	101	-		Prakrutik
Blackgram	03/07/2023	10/10/2023	0.30	GU 4	Seed	112	1100	13440	
Greengram	30/06/2023	01/10/2023	0.30	GM 6	Seed	97	900	9648	Prakrutik
Blackgram	05/07/2024	-	0.70	GU 4	Seed	-	3450	-	Fail
Blackgram	05/07/2024	02/11/2024	0.60	GU 2	Seed	149	2250	-	
Greengram	08/07/2024	05/11/2024	0.30	GM 6	Seed	7	500	-	
Oilseeds									
Mustard	12/10/2023	22/02/2024	0.40	GDM 4	Seed	390	3400	35782	
Mustard	17/10/2024	-	0.60	GDM 6	Seed	-	-	-	standing
Mustard	23/10/2024		0.20	GDM 4	Sees				standing
Castor	14/08/2023	-	1.10	GCH 8	Commercial	1718	12500	93830	standing
Castor	08/08/2024	-	0.50	GCH 8	Commercial	-	-	-	standing
Spices									
Fennel	22/09/2024	-	0.10	GF 12	Comm	-	-	-	standing

					ercial				
Fibers									
Cotton	09/06/2023	26/01/2024	0.40	Jay Bt	Comm ercial	721	7800	59085	Not sell
Cotton	19/06/2024	29/01/2025	0.60	Jay Bt	Comm ercial	-	9200	-	Not sell
Floriculture									
Fruits									
Aonla	2004		2.60	NA 7	Contra ct			426000	860 plant
Chiku	2008		0.60	Kalipatti	Contra ct			79000	78 plant
Drumstick	2016		0.25	PKM 1					40 plant
Lime	2019		0.25	Kagzilime	-	-	-		
Fodder									
Oat	03/12/2024		0.10	OS 405	Fodder	-	-	-	Standing
Lucerne	19/10/2024		0.20	AL 2	Fodder				Standing
Sorghum	2023		0.20	COFS 31	Fodder				Standing
Vegetables									

C. Performance of production Units (bio-agents / bio pesticides/ bio fertilizers etc.)

Sl. No.	**Bio Products**	**Name of the Product**	**Qty (kg/lit)**	**Amount (Rs.)**		**Remarks**
				Cost of inputs	**Gross income**	
1	Bio- Fertilizers	Vermicompost	4527	-	45515	-
		Jivamrut	955	-	1910	
		Ghan Jivamrut	65		650	
2	Bio- Fungicides					
3	Bio- pesticides					
4	Bio-Agents	Earth worm (Perionyx sillensis)	274	-	68500	-

D. Performance of instructional farm (livestock and fisheries production)

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty. (Lit.)	Cost of inputs	Gross income	
-	-	-	-	-	-	-	-

E. Utilization of hostel facilities

Accommodation available (No. of beds):56

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
Jan-24	105	207	
Feb-24	58	108	
Mar-24	72	137	
Apr-24	44	443	
May-24	13	48	
Jun-24	66	5532	
Jul-24	3	9	
Aug-24	3	14	
Sep-24	3	9	
Oct-24	10	10	
Nov-24	6	16	
Dec-24	1	3	
Total	**384**	**6536**	

F. Database management

S. No	Database target	Database created
1	**-**	**23109**

G. Details on Rain Water Harvesting Structure and micro-irrigation system

Amount sanction (Rs.)	Expenditure (Rs.)	Details of infrastructure created / micro irrigation system etc.	Activities conducted					Quantity of water harvested in '000 litres	Area irrigated / utilization pattern
			No. of Training programmes	No. of Demonstrations	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)		
-	-	-	-	-	-	-	-	-	-

H. Performance of Nutritional Garden at KVK farm

If Nutritional Garden developed at KVK farm/Village Level? Yes

If yes,

Nutritional Garden developed at KVK farm

Area under nutritional garden (ha)	Component of Nutritional Garden	No. of species / plants in nutritional garden	No. of farmers visited
0.06	Vegetable crops	Kharif -12, Rabi-13	8008
	Fruit crops	8 (No of plant - 11)	
	Others if any	5	

Nutritional Garden developed at Village Level(Area under nutritional garden)

No. of Villages covered	Component of Nutritional Garden	No. of species / plants in nutritional garden	No. of farmers covered
5	Vegetable crops	25	110
5	Others – Drumstick	1	110

H. Details of Skill Development Trainings organized (RPL)

S.No.	Name of KVKs/SAUs/ICAR Institutes	Name of QP/Job role	Duration (hrs)	No. of participants					
				SCs/STs		Others		Total	
				M	F	M	F	M	F
1	KVK, Mehsana	Organic Grower	21 (3 days)	0	0	40	0	40	0

16.FINANCIAL PERFORMANCE

A. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Branch code	Account Name	Account Number	MICR Number	IFSC Number
With Host Institute							
With KVK	State Bank of India	Mehsana	0000427	Krishi Vigyan Kendra	10354356755	384002001	SBIN0000427

B. Utilization of KVK funds during the year April,2023 to March, 2024 (Rs. in lakh)

S. No.	Particulars	Sanctioned	Released	Expenditure
A	Recurring Contingencies			
1	Pay & Allowances	203.50	203.50	202.96
2	Traveling allowances	0.45	0.45	0.45
3	Contingencies			
3.1	Res.& Operational Expenses	5.74	5.74	5.74
3.2	Adm. Expenses	4.31	4.31	4.31
	Total Recurring	10.50	10.50	10.50
B	Non-Recurring Contingencies			
1	Vehicle (Four wheeler/Two wheeler, please specify)	9.00	9.00	9.00
	Grand total (A+B+C)	223.00	223.00	222.46

Utilization of KVK funds during the year April,2024 to Dec, 2024 (Rs. in lakh)

S. No.	Particulars	Sanctioned	Released	Expenditure
A	Recurring Contingencies			
1	Pay & Allowances	233	182.37	166.13
2	Traveling allowances	0.45	0.45	0.45
3	Contingencies	10.50	8.00	8.00
3.1	Res.& Operational Expenses			
3.2	Adm. Expenses			
	Total Recurring			
	Grand total (A+B+C)	243.95	190.82	174.58

Financial status of other component (April 2023 March-2024)

Scheme	Budget Sanctioned (Rs.)	Opening Balance	Budget Release (Rs)	Budget Utilized (Rs.)	Balance (Rs.)
CFLD-Oilseeds	0.81	0.00	0.81	0.81	0.00
Natural farming-Farmers outreach farming	5.23	0.00	5.23	5.23	0.00
Skill Development Programme (RPL)	0.84	0.00	0.84	0.84	0.00
SAP	0.24	0.00	0.24	0.24	0.00

Financial status of other Programme Financial year (April 2024-Dec (2024)) (Rs. in lakh)

Sr.No	Items/Head	Sanctioned Grant	Opening Balance	Release	Expenditure	Closing Balance
1	Oilseeds Model village	20.26	0	5.06	8.97	
2	Swachhta Action Plan	0.11	0	0.11	0.11	
3	CFLD-Oilseed	11.43	0	2.87	6.99	
4	Outsccaling Natural Farming	0.40	0	0.40	0.40	
5	PM Kisan	2.20	0	0.00	2.20	

C. Status of revolving fund (Rs. in lakh)

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
2018-19	21.66	8.36	6.37	23.65
2019-20	23.65	8.35	5.84	26.16
2020-21	26.16	12.12	6.77	31.51
2021-22	31.51	10.42	4.60	37.33
2022-23	37.34	14.21	7.43	44.12
2023-24	44.13	21.32	3.74	61.70
2024-25 (upto Dec 25)	61.71	9.83	2.81	68.72

17. Details of HRD activities attended by KVK staff during year

Name of the staff	Designation	Title of the training programme	Institute where attended	Mode (Online / Offline)	Dates
Shri M R Patel	SMS	Clean milk Production	S D A U, S K Nagar	Offline	18/03/2024
Shri B K Patel	SMS	Regional Consultation on science of Natural Farming	Depatment of Agriculture &Farmers Welfare, GOI, NEWDELHI	Offline	16/05/2024
Shri B K Patel	SMS	Training cum Exposure Visit on Natural Farming for Master Trainers	MANAGE	Offline	27-31/05/2024
Dr. R A Patel Miss. Babita. R., Roshni barad	Senior Scientist and Head,SMS	Value addition in spices crops	S D A U, S K Nagar	Offline	20/06/2024
Mr.R A Kachhadia ,Ms. R. G Barad	Senior Scientist and Head,SMS	pre kharif seasonal workshop-2024	S D A U, S K Nagar	Offline	9-10/07/2024
Shri M R Patel	SMS	Central Secctor scheme on formation and Promotionof FPOs	NABARD	Offline	23/07/2024
Shri B K Patel	SMS	Prakrutik krushi Talim karyashala	SAMETI AND STATE NODEL OFFICE, ATMA	Offline	07/08/2024
Dr. R A Patel ,Shri M R Patel, Mr.R A kachhadia	Senior Scientist and Head,SMS	Backstopping on agrivoltaics and Bio gas Energy	S D A U, S K Nagar	Offline	22/08/2024
Shri M R Patel	SMS	Presentation skill for Professional excellence	S D A U, S K Nagar and EEI Anand	Offline	14-16/10/2024
Dr. R A Patel , Shri M R Patel, Ms. R. G Barad	Senior Scientist and Head,SMS	Techanological Backstopping on weed manegment	S D A U, S K Nagar	Offline	13/11/2024

18. Details of progress in Doubling Farmers Income (DFI) villages adopted by KVKs

Name of the village	Total No. of families surveyed	Key interventions implemented	No. of farmers covered in each intervention	Change in income (Rs/unit)	
				2016-17	2021-22
-	-	-	-	-	-

18. Details of activities planned under NARI /PKVY / TSP / KKA, etc.

S. No.	Name of the programme	No. of villages adopted	Key activities performed	No. of activities carried out	No. of families covered
1	NARI	1	Training, FLD, OFT, Field day, Field Visit	12	52

19. Details of Progress of ARYA Project

Name of Enterprise	No of Training Conducted	No of Beneficiaries	No of Extension Activities	No of Beneficiaries	No of Unit established	Change in income		No. Of Groups Formed
						Before	After	
-	-	-	-	-	-	-	-	-

21. Details of SAP (2nd October to 31st October, 2024)

Activities	No.ofActivites	Participant
Awareness programme about swachhta	63	3120
Awareness and recycling the waste water		
Cleaning of village programme with farmers		
Crop Residue Management		
Demonstration of Technologies on waste and wealth		
Microbial Based Agriculture weste management		
Awareness on plastic waste shramdan programme		
Crop residual management		
Cleaning of village programme with farmers		
Crop Residue Management		
Demonstration of Technologies on waste and wealth		
Total	63	3120

Details of SAP activity and expenditure

Quarter	No. of adopted villages (For Microbial based Agricultural Waste Management using Vermicomposting)	Types of major Activity conducted (Excluding Vermicompost activity) Swachhta Pakhwada, Cleaning, Awareness Workshop etc.	Expenditure (Rs)
I	2	Cleaning and beautification of surrounding area. Awareness regarding plastic use and stop single use plastic material. Used water for agriculture and horticulture application. Farm sanitation and SWM.. School campus cleaning. Swachhata awareness at local level. Display and banner.	**11585**
II			
III			
IV			

21. Please include any other important and relevant information which has not been reflected above

Celebration of special day

Krishak Swarn Samruddhi week - Golden Jubilee year of KVKs System / Technology Week

At Krishi Vigyan Kendra, Ganpat University, Mehsana organized Krishak Swarn Samruddhi Week from 23rd to 28th September, 2024 under the Golden Jubilee year to mark the completion of 50 years of the establishment of Krishi Vigyan Kendra. On the first day of this program, dignitaries like Shri Haribhai Patel, MP, Mehsana; Padmashri Ganpatbhai Patel, Patron in Chief, Ganpat University; Shri Somabhai Rayaka, Director and Trustee, Krishi Vigyan Kendra; Dr. Falgunbhai Modh, Joint Director of Horticulture, Mehsana; Shri Nileshbhai Patel, District Agriculture Officer, Mehsana; Shri Shaileshbhai Patel, Deputy Director of Agriculture remained present. In this program, farmers were given details information about agriculture, animal husbandry, horticulture and natural farming and also visited different units at the KVK such as Kitchen Garden, Hydroponics, Nursery, Nadep, Vermi Compost, Bio-pesticide, Jivamrut , Gaushala, Gobar Gas, Azolla Unit and instructional farm. During the remaining days of the program, KVK Scientists visited the different villages of Mehsana district. Total 484 farmers and farm women were participated in the Krishak Swarn Samruddhi week.

Viksit Bharat Sankalp Yatra (VBSY)

Viksit Bharat Sankalp Yatra (VBSY) was launched by the Honorable Prime Minister Narendra Modi during the period of November 2023 to 26 January 2024 to promote and disseminate various schemes of the government so that the beneficiaries can get the optimum benefits. In this program, the scientists from the Krishi Vigyan Kendra remained present and provided guidance on agricultural-oriented schemes information to 7480 farmers of Mehsana district.

Pradhan Mantri Kisan Samman Nidhi (PM-KISAN)

On 18th June 2024, Krishi Vigyan Kendra Ganpat University, Mehsana, organized the program for watching the live telecast-01 on 17th installment of Pradhan Mantri Kisan Samman Nidhi, distributed by Honorable Prime Minister Shri Narendra Modi through live broadcast from Varanasi, Uttar Pradesh. In this program, dignitaries like Mrs. Nimuben Bambhaniya, Hon'ble Minister of State for Consumer Affairs, Food and Public Distribution, Government of India; Shri Haribhai Patel, Member of Parliament, Mehsana; Shri Sagarbhai Rayaka, Former MP; Padma Shri Ganpatbhai Patel, Patron In Chief, Ganpat University; Shri Somabhai Rayaka, Trustee and Director, Krishi Vigyan Kendra; Mrs.Trushaben Patel, President, District Panchayat, Mehsana; Dr Hasarat Jasmin, District Development Officer, Mehsana, remained present and watched the live broadcast of this program. The dignitaries honored the progressive farmers of Mehsana district with the certificates. The dignitaries delivered speeches on different government schemes for farmers

and how to get more production at minimum cost. More than 542 farmers and farmwomen participated in this program.

Natural farming Exhibition cum Seminar

A Natural farming Exhibition cum Seminar, was jointly organized by KVK and ATMA, Mehsana, under the Gujarat Prakrutik Krushi Vikas Board, Gandhinagar at Krishi vigyan Kendra, Ganpat university, Mehsana on 16 February 2024, In this program, Padmashri Ganpatbhai Patel, Patron In Chief, Ganpat University; Shri Rambhai Patel, Chairman, APMC, Mehsana; Shri K. S. Patel, Joint Director of Agriculture, Mehsana; Shri Shaileshbhai Patel, Deputy Director of Agriculture (Extension), Mehsana; Shri Nileshbhai Patel, District Agriculture Officer, Mehsana remained present. In this program, farmers were given guidance about importance and various ways of natural farming by using different techniques. Total 1085 farmers and farmwomen of Mehsana district took part in this program.

Natural farming Awareness Program

A two-day Natural farming Awareness Program was organized at Krishi vigyan kendra, Ganpat University on 20th & 21st February 2024. On the first day, Padmashri Ganpatbhai Patel, Patron In Chief, Ganpat University; Shri Somabhai Rayaka, Trustee and Director, KVK; Dr. A. G. Patel, Director of Extension Education, SDAU, Dantiwada; Dr. Falgunbhai Modh, Joint Director of Horticulture; Shri Shaileshbhai Patel, Deputy Director of Agriculture (Extension); Shri Laxmanbhai Patel, Assistant Director of Agriculture remained present. In this two days' awareness program, more than 255 farmers on the first day and 311 on the second day; a sum total of 566 farmers participated in this program. The detailed information about natural farming was provided to the participating farmers in this program and farm women and various demonstration units were visited.

NARI Project

It is well known fact that the agricultural sector has immensely contributed to the food security and economic development in India. But it is felt that there is still a lack of awareness as well as practice among the farmer regarding nutritional security, which needs to be addressed. Various kinds of locally available vegetables, fruit and other crops are cultivated without much knowledge of nutritional security. Thus under the project called NARI (Nutri sensitive Agriculture Resource and Innovation) some activities have been taken up for nutritional security by taking up nutritional gardening in same villages of the district. NARI Project was launched in 2018 by ICAR. Venpura village of Becharaji Block of Mehsana district has been adopted in NARI Project by KVK Mehsana. Activities like 20 FLD, 3 Training programme, 7 Field Visit and 1 field day have been conducted in this village during this year. Total 303 farmers and farm women participated and took the advantage of the experts'knowledge.

Rabi Krishi Mahotsav -2024

A two-day Rabi Krishi Mahotsav program was organized by the District Agriculture Office, Mehsana at Krishi vigyan Kendra, Ganpat University, Mehsana on 6th - 7th December 2024. Shri Mukeshbhai Patel, MLA Mehsana; Padmashri Ganpatbhai Patel, Patron in Chief, Ganpat University; Mrs. Kalpanaben Patel, President, Taluka Panchayat, Mehsana and other officials remained present in this program. Total 1510 Farmers and farm women of Mehsana district participated in this program.

Natural Farming/પ્રાકૃતિક ખેતી

Total 63 awareness programs conducted on Natural farming, in which total 7293 farmers and farm women took advantage of the event during this period.

Celebration of important day/Week મહત્વના દિવસ/સપ્તાહની ઉજવણી

World Water Day March 22, 2024 Participants : 40	World Environment day June 5, 2024 Participants : 67	ICAR Foundation day July 16, 2024 Participants : 29
Parthenium Awareness week 16-22 August, 2024 Participants : 177	World Soil day December 5, 2024 Participants : 99	Kisan Diwas December 23, 2024 Participants : 52

Celebration of Swachhata Abhiyan

Swachhata related awareness programme celebrated from 02-31, October, 2024 by KVK Mehsana. Under this programme clean up the office premises and public places. KVK scientist aware the farmer and general public about the hygiene through banners, posters and various method of organic farming, agriculture waste management such a NADEP, vermi compost, promotes of kitchen garden, water harvest technology and farmers take pledge on minimal use of plastics in their day to day life. During swachhata abhiyan 3120 farmers and farm women were participated.

Student trained by KVK during the year

Sr.No	Date/Duration	Days	Number of students	Degree	Name of college
1	15/01/2024 to 31/01/2024	16	5	BRS	Babubhai Shah Maha Vidhyalay, Jiliya
2	22/01/2024 to 03/02/2024	12	54	B.Sc. (Horti)	College of Horticulture, Jagudan
3	03/09/2024 to 06/09/2024	4	10	B.Sc. (Agri)	College of Agriculture, Dantiwada and Tharad, S.K. Nagar
4	24/06/2024 to 29/06/2024	6	58	B.Sc. (Agri)	KKISAR, Ganpat University
5	12/09/2024 to 15/09/2024	4	5	B.Sc. (Agri)	College of Agriculture, Dantiwada and Tharad, S.K. Nagar

Technical backstoping - DEE, SDAU, S K Nagar

Activities	Date	Place	Participants
DEE, SDAU attended KVK activities and Visit			
Visits of KVK Mehsana - 2times		KVK	4
ZAREAC Meet	24/05/2024	SDAU, S.K. Nagar	1
Convergence	16/04/2024	SDAU, S.K. Nagar	1
SAC	13/02/2024	KVK	1
Pre Annual Action Plan Workshop	30/04/2024	SDAU, S.K. Nagar	3
Pre Kharif workshop	09/07/2024	SDAU, S.K. Nagar	2
Pre - APR review workshop	22/08/2024	SDAU, S.K. Nagar	4
Review Meeting	18/03/2024 20/06/2024 22/08/2024	SDAU, S.K. Nagar	8
Workshop on value addition in spice crops	20/06/2024	SDAU, S.K. Nagar	3
Training on backstopping on agrivoltaics and bio gas energy	20/08/2024	SDAU, S.K. Nagar	3
Training on presentation skill for professional excellence	14,15,16/10/2024	SDAU, S.K. Nagar	1
Training on technological backstopping on weed management	13/11/2024	SDAU, S.K. Nagar	3
Training on clean milk production	18/03/2024	SDAU, S.K. Nagar	1

APR SUMMARY

1. Training Programmes

Clientele	No. of Courses	Male	Female	Total participants
Farmers & farm women	112	1970	1590	3560
Rural youths	4	90	97	187
Extension functionaries	8	148	104	252
Total	**124**	**2208**	**1791**	**3999**
Sponsored Training	-	-	-	-
Vocational Training	4	90	97	187

2. Frontline demonstrations

Enterprise	No. of Farmers	Area(ha)	Units/Animals
Oilseeds	150	60	
Pulses	-	-	
Cereals	25	10	
Vegetables	12	5	
Other crops	72	18.3	
Hybrid crops	25	10	
Total	**284**	**103.3**	
Livestock & Fisheries	240	-	240
Other enterprises	182	-	182
Total	**422**	**-**	**422**
Grand Total	**706**	**103.3**	**422**

3. Technology Assessment & Refinement

Category	No. of Technology Assessed & Refined	No. of Trials	No. of Farmers
Technology Assessed			
Crops	3	30	30
Livestock	1	10	10
Various enterprises	3	30	30
Total	**7**	**70**	**70**
Technology Refined			
Crops	-	-	-
Livestock	-	-	-
Various enterprises	-	-	-
Total	-	-	-
Grand Total	**7**	**70**	**70**

4. Extension Programmes

Category	No. of Programmes	Total Participants
Extension activities	2314	34506
Other extension activities	83	-
Total	**2397**	**34506**

5. Mobile Advisory Services

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weather	Marke-ting	Aware-ness	Other enterprise	Total
Mehsana	Text only	13	5			2	4	24
	Voice only							
	Voice & Text both							
	Total Messages	13	5			2	4	24
	Total farmers benefitted	**285591**	**109841**			**43932**	**87570**	**526934**

6. Seed & Planting Material Production

	Quintal/Number	Value Rs.
Seed (q)	54.24	233093
Planting material (No.)	8091	4470
Bio-Products (kg)	4902.8	125475
Livestock Production (No.)	-	-
Fishery production (No.)	-	-

7. Soil, water & plant Analysis

	Samples	No. of Beneficiaries	Value Rs.
Soil	1005	884	
Water	93	55	
Plant	22	22	-
Total	**1120**	**961**	

8. HRD and Publications

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

Date	Clental	Discipline	Training Title	Thrust Area	Training Place	Days	Other			SCST			Total		
							M	F	T	M	F	T	M	F	T
4-Jan-2024	PF	Crop Production	Prakrutik kheti	Resource Conservation Technologies	KVK	2	34	8	42	0	0	0	34	8	42
5-Jan-2024	PF	Agricultural Engineering	Use of mulching technology for watermelon crop	Use of Plastics in farming practices	KVK	1	12	0	12	2	0	2	14	0	14
8-Jan-2024	PF	Plant Protection	IPDM in castor	Integrated Disease Management	KVK	1	41	0	41	12	0	12	53	0	53
17-Jan-2024	PF	Agricultural Engineering	Post harvest technology of spice seed	Post Harvest Technology	KVK	1	49	0	49	1	0	1	50	0	50
23-Jan-2024	FW	Animal Science	Importance of vaccination and deworming in dairy animals	Disease Management	Ganeshpura (Kadi)	1	0	45	45	0	0	0	0	45	45
30-Jan-2024	PF	Agricultural Engineering	Post harvest technology of fennel seed	Small scale processing and value addition	Savala	1	18	10	28	18	2	20	36	12	48
22-Feb-2024	FW	Animal Science	Indigeneous treatment for various animal diseases	Disease Management	KVK	1	3	24	27	0	0	0	3	24	27
28-Feb-2024	PF	Crop Production	Prakrutik kheti	Resource Conservation Technologies	KVK	2	19	18	37	0	0	0	19	18	37
5-Mar-2024	PF	Agricultural Engineering	Post harvest technology of cumin seed	Post Harvest Technology	Bariyaf	1	47	32	79	0	0	0	47	32	79
6-Mar-2024	PF	Agricultural Engineering	Maintenance of micro irrigation system	Installation and maintenance of micro irrigation systems	Varetha	1	25	13	38	0	0	0	25	13	38
11-Mar-2024	FW	Animal Science	Use and Importance of chelated mineral mixture in animal feed	Animal Nutrition Management	Nani Hirvani	1	0	0	0	11	19	30	11	19	30
12-Mar-2024	FW	Plant Protection	Prakrutik Kheti- pests and diseases management cocepts	Production of bio control agents and bio pesticides	KVK	2	0	40	40	0	0	0	0	40	40
13-Mar-2024	FW	Animal Science	Balance feeding in dairy animals	Feed & fodder technology	Kot	1	0	0	0	13	17	30	13	17	30
13-Mar-2024	PF	Crop Production	Prakrutik kheti	Resource Conservation Technologies	KVK	2	23	17	40	0	0	0	23	17	40
18-Mar-2024	PF	Animal Science	Importance of vaccination in dairy animals	Disease Management	Kharod	1	0	0	0	17	5	22	17	5	22
19-Mar-2024	PF	Crop Production	Prakrutik kheti	Resource Conservation Technologies	KVK	2	22	21	43	0	0	0	22	21	43
19-Mar-2024	PF	Animal Science	Clean milk production	Dairy Management	Kuvasana	1	0	0	0	20	12	32	20	12	32

			technology in dairy animals												
21-Mar-2024	FW	Plant Protection	Prakrutik kheti - Pests and diseases management	Production of bio control agents and bio pesticides	KVK	1	3	28	31	0	2	2	3	30	33
23-Mar-2024	FW	Crop Production	Prakrutik kheti	Resource Conservation Technologies	KVK	2	18	22	40	0	0	0	18	22	40
28-Mar-2024	PF	Crop Production	Organic Grower	Production of organic inputs	KVK	2	40	0	40	0	0	0	40	0	40
5-Apr-2024	FW	Extension Education	Role of women in agriculture and women empowerment	Leadership development	Rupal Haripura	1	3	17	20	0	0	0	3	17	20
8-Apr-2024	FW	Home Science	Healthcare and balance diet for farm women	Women and child care	Saduthla	1	2	25	27	0	0	0	2	25	27
9-Apr-2024	PF	Agricultural Engineering	Various type of MIS in agriculture	Installation and maintenance of micro irrigation systems	Dedasan	1	25	12	37	0	0	0	25	12	37
13-Apr-2024	PF	Agricultural Engineering	Soil and water conservation technology	Soil and Water conservation	KVK	1	17	10	27	0	0	0	17	10	27
23-Apr-2024	PF	Extension Education	Government Schemes and Initiatives for enhancing farmers income	Mobilization of social capital	Shiyapura-Khavad	1	26	0	26	0	0	0	26	0	26
24-Apr-2024	PF	Crop Production	Importance of SHC in nutrient management	Integrated nutrient management	Amudh	1	24	2	26	0	0	0	24	2	26
11-May-2024	PF	Crop Production	Scientific cultivation of Bt cotton	Integrated Crop Management	KVK	1	15	11	26	0	0	0	15	11	26
11-May-2024	PF	Agricultural Engineering	Sowing of cotton seed through improved farm implement Dibbler	Production of small tools and implements	Bhavsor	1	32	18	50	0	0	0	32	18	50
17-May-2024	PF	Agricultural Engineering	Sowing of cotton seed through improved farm implement Dibbler	Production of small tools and implements	Kuvasana	1	33	13	46	1	0	1	34	13	47
21-May-2024	FW	Animal Science	Round the year green fodder production technology for dairy animals	Feed & fodder technology	KVK	1	4	31	35	0	0	0	4	31	35
22-May-2024	FW	Home Science	Preparation of Aam panna,Jam and pickle from Mango	Value addition	Kuvasana	1	0	24	24	0	0	0	0	24	24
25-May-2024	FW	Home Science	Value addition in Mango	Value addition	Amudh	1	2	28	30	0	0	0	2	28	30
28-May-2024	PF	Plant Protection	Preventive non chemical methods of pests and diseases management during summer season	Bio-control of pests and diseases	KVK	1	25	0	25	0	0	0	25	0	25
30-May-2024	EF	Plant Protection	Pesticides management for existing insecticides licensees	Integrated Pest Management	KVK	12	0	0	0	0	0	0	31	1	32
31-May-2024	FW	Home Science	Preparation and preservation of mango products	Value addition	Sunok	1	3	22	25	0	0	0	3	22	25

5-Jun-2024	FW	Animal Science	Ecto and endo parasite managment in dairy animals	Disease Management	KVK	1	4	30	34	0	0	0	4	30	34
8-Jun-2024	FW	Home Science	Nutrition value of millet and its value addition	Designing and development for high nutrient efficiency diet	Surajnagar	1	2	19	21	0	0	0	2	19	21
8-Jun-2024	PF	Crop Production	Scientific cultivation of Bt cotton	Integrated Crop Management	KVK	1	20	18	38	2	0	2	22	18	40
11-Jun-2024	FW	Home Science	Value additio in Mango	Value addition	Bhunav	1	3	26	29	0	0	0	3	26	29
13-Jun-2024	PF	Crop Production	Scientific cultivation of Bt cotton	Integrated Crop Management	KVK	1	33	7	40	0	0	0	33	7	40
14-Jun-2024	FW	Animal Science	Clean milk production in dairy animals	Dairy Management	KVK	1	5	31	36	0	0	0	5	31	36
14-Jun-2024	FW	Home Science	Preparation of jam,pickle and squash from mango	Value addition	Maherwada	1	4	20	24	0	0	0	4	20	24
17-Jun-2024	PF	Crop Production	Scientific cultivation of Blackgram	Integrated Crop Management	KVK	1	13	0	13	0	0	0	13	0	13
25-Jun-2024	EF	Crop Production	Training of Trainers on technical agronomical aspects of cotton cultivation	Productivity enhancement in field crops	KVK	1	0	0	0	0	0	0	21	18	39
25-Jun-2024	FW	Home Science	Conservation of nutrients while handling and cooking of food	Minimization of nutrient loss in processing	Pamol	1	0	18	18	0	4	4	0	22	22
26-Jun-2024	FW	Animal Science	Use of indigenous medicine in treatment of various diseases condition in animals	Disease Management	KVK	1	6	29	35	0	0	0	6	29	35
27-Jun-2024	FW	Home Science	Food management for pregnant women and adult girls	Women and child care	Vajapur	1	0	38	38	0	0	0	0	38	38
1-Jul-2024	FW	Animal Science	Importanace of deworming and vaccination in dairy animals	Disease Management	Amudh	1	3	22	25	0	0	0	3	22	25
3-Jul-2024	FW	Animal Science	Use and imporance of bypass protein in animal diet in high yielding animals	Animal Nutrition Management	Sartanpur	1	0	21	21	0	0	0	0	21	21
4-Jul-2024	EF	Crop Production	Training of trainers for technical aspects of pearlmillet & castor	Productivity enhancement in field crops	KVK	1	0	0	0	0	0	0	0	19	19
9-Jul-2024	FW	Home Science	Importance and techniques of kitchen gardening	Household food security by kitchen gardening and nutrition gardening	Sartanpur	1	0	27	27	0	0	0	0	27	27
9-Jul-2024	FW	Animal Science	Use and Importance of	Animal Nutrition	Kiyadar	1	0	29	29	0	0	0	0	29	29

			Probiotic in animal feed	Management											
10-Jul-2024	FW	Home Science	Kitchen gardening for household food security	Household food security by kitchen gardening and nutrition gardening	Sokhada	1	0	26	26	0	0	0	0	26	26
13-Jul-2024	FW	Home Science	Availability of vegetables throughout the year from kitchen gardening	Household food security by kitchen gardening and nutrition gardening	Sunak	1	0	20	20	0	0	0	0	20	20
16-Jul-2024	PF	Extension Education	Role and Importamnce of ITC In Agriculture	Mobilization of social capital	Boriavi	1	15	0	15	0	0	0	15	0	15
18-Jul-2024	FW	Home Science	Importance of kitchen gardening in our daily diet	Household food security by kitchen gardening and nutrition gardening	Venpura	1	0	20	20	0	0	0	0	20	20
22-Jul-2024	FW	Animal Science	Production technology of Fodder sorghum	Feed & fodder technology	Kukas	1	0	27	27	0	0	0	0	27	27
23-Jul-2024	PF	Crop Production	Scientific cultivation of Castor	Integrated Farming	KVK	1	30	0	30	0	0	0	30	0	30
24-Jul-2024	PF	Crop Production	Scientific cultivation of Castor	Integrated Crop Management	KVK	1	30	0	30	4	0	4	34	0	34
25-Jul-2024	PF	Crop Production	Scientific cultivation of Castor	Cropping Systems	KVK	1	25	0	25	0	0	0	25	0	25
26-Jul-2024	PF	Crop Production	Scientific cultivation of Castor	Integrated Crop Management	KVK	1	37	2	39	4	0	4	41	2	43
26-Jul-2024	FW	Animal Science	Care and managment of dairy animals in monsoon season	Disease Management	Mohanpura	1	8	40	48	0	0	0	8	40	48
27-Jul-2024	PF	Agricultural Engineering	sowing of Castor seed through improved farm implement-Dibbler	Production of small tools and implements	Varetha, Kuda	1	41	23	64	0	0	0	41	23	64
29-Jul-2024	PF	Horticulture	Natural Farming in fruit crops	Cultivation of Fruit	KVK	1	22	0	22	0	0	0	22	0	22
30-Jul-2024	PF	Plant Protection	Pink bollworm (PBW) management in cotton	Integrated Pest Management	KVK	1	25	4	29	0	0	0	25	4	29
30-Jul-2024	PF	Agricultural Engineering	sowing of castor seed through improved farm implement dibbler	Production of small tools and implements	mohanpura	1	25	6	31	0	0	0	25	6	31
31-Jul-2024	PF	Horticulture	Scientific cultivation of fennel	Production and Management technology	Kamalpur(Vadnagar)	1	22	5	27	0	0	0	22	5	27
6-Aug-2024	EF	Plant Protection	New technology of IPDM for cotton pests and diseases	Integrated Pest Management	KVK	1	0	0	0	0	0	0	23	12	35
12-Aug-2024	EF	Plant Protection	Use of IPM and IDM modules in cotton	Integrated Pest Management	KVK	1	0	0	0	0	0	0	20	8	28
21-Aug-2024	FW	Animal Science	Production technology of Fodder sorghum	Feed & fodder technology	KVK	1	15	20	35	0	0	0	15	20	35

22-Aug-2024	FW	Animal Science	Indigeneous treatment for various animal diseases	Disease Management	KVK	1	4	28	32	0	3	3	4	31	35
24-Aug-2024	RY	Agricultural Engineering	Post harvest technology of spice crop	Post Harvest Technology	Santhal	5	32	18	50	0	0	0	32	18	50
28-Aug-2024	FW	Animal Science	Scientific dairy farming	Dairy Management	KVK	1	5	32	37	0	0	0	5	32	37
31-Aug-2024	RY	Crop Production	Seed Production Technology of Mustard and Wheat crops (CP)	Seed production	Martoli	5	33	17	50	0	0	0	33	17	50
4-Sep-2024	PF	Crop Production	Natural farming of Castor	Production of organic inputs	KVK	1	36	8	44	0	0	0	36	8	44
6-Sep-2024	RY	Horticulture	Skill Training on Spices crop seed production and value addition	Seed production	Ajabpura	5	25	25	50	0	0	0	25	25	50
13-Sep-2024	FW	Home Science	Use and importance of drumstick pods and leaves in our daily diet	Designing and development for high nutrient efficiency diet	Ghaghret	1	0	22	22	0	0	0	0	22	22
16-Sep-2024	PF	Horticulture	Integrated nutrient management in vegetable crops	Production of low value and high volume crops	KVK	1	16	0	16	1	0	1	17	0	17
26-Sep-2024	EF	Home Science	Nutrition awareness programme for Suposhan sangini	Women and Child care	KVK	1	0	0	0	0	0	0	2	22	24
27-Sep-2024	PF	Crop Production	INM in castor	Integrated nutrient management	Sunak	1	50	0	50	0	0	0	50	0	50
27-Sep-2024	PF	Plant Protection	IPDM in acid lime and its rejuvanation techniques	Bio-control of pests and diseases	KVK	1	42	0	42	2	0	2	44	0	44
8-Oct-2024	PF	Horticulture	Scientific cultivation of spice crops	Production and Management technology	KVK	1	15	0	15	0	0	0	15	0	15
10-Oct-2024	PF	Crop Production	Scientific cultivation of Mustard	Integrated Crop Management	KVK	1	25	0	25	0	0	0	25	0	25
14-Oct-2024	PF	Crop Production	Scientific cultivation of Mustard	Integrated Crop Management	KVK	1	27	0	27	0	0	0	27	0	27
15-Oct-2024	PF	Crop Production	Scientific cultivation of Mustard	Integrated Crop Management	KVK	1	14	0	14	1	0	1	15	0	15
17-Oct-2024	FW	Animal Science	Importance of deworming and vaccination in dairy animal	Disease Management	Meu	1	0	24	24	0	0	0	0	24	24
18-Oct-2024	PF	Crop Production	Scientific cultivation of Mustard	Integrated Crop Management	KVK	1	51	0	51	0	0	0	51	0	51
18-Oct-2024	FW	Animal Science	clean milk production technolgy in dairy animals	Dairy Management	Padhariya	1	0	30	30	0	0	0	0	30	30
21-Oct-2024	PF	Crop Production	Scientific cultivation of Mustard	Integrated Crop Management	KVK	1	19	0	19	0	0	0	19	0	19

26-Oct-2024	RY	Home Science	Value addition in aonla	Value addition	Kahoda	5	0	37	37	0	0	0	0	37	37
26-Oct-2024	PF	Agricultural Engineering	Use of hand operated farm implement for inter-culturing operation in spice crop	Production of small tools and implements	KVK	1	15	1	16	0	0	0	15	1	16
28-Oct-2024	PF	Plant Protection	IPM in fennel	Integrated Pest Management	Sabalpur	1	27	0	27	0	0	0	27	0	27
7-Nov-2024	FW	Home Science	Preparation method of aonla laddo,jam and pickle	Value addition	Brahmanvada	1	0	30	30	0	0	0	0	30	30
11-Nov-2024	FW	Home Science	Preparation and preservation of aonla candy	Value addition	KVK	1	0	24	24	0	0	0	0	24	24
13-Nov-2024	PF	Crop Production	Scientific cultivation of Wheat	Integrated Crop Management	KVK	1	22	14	36	0	0	0	22	14	36
14-Nov-2024	FW	Extension Education	Role of women in agriculture	Entrepreneurial development of farmers/youths	Sokhada	1	0	25	25	0	0	0	0	25	25
14-Nov-2024	PF	Plant Protection	IPM in wheat and mustard	Integrated Pest Management	KVK	1	13	11	24	0	0	0	13	11	24
18-Nov-2024	PF	Horticulture	scientific cultivation of ajwain	Production and Management technology	Sunok	1	16	12	28	0	0	0	16	12	28
20-Nov-2024	PF	Crop Production	Scientific cultivation for late sown variety of Wheat	Integrated Crop Management	KVK	1	18	0	18	2	0	2	20	0	20
21-Nov-2024	FW	Home Science	Preparation method of bajara biscuits through different technology	Design and development of low/minimum cost diet	Buttapaldi	1	0	23	23	0	0	0	0	23	23
23-Nov-2024	FW	Home Science	Preparation of different types of products from Aonla	Value addition	Kahipur	1	0	25	25	0	3	3	0	28	28
2-Dec-2024	EF	Extension Education	Communication Skill for Effective extension services	Capacity building for ICT application	KVK	1	0	0	0	0	0	0	18	7	25
3-Dec-2024	FW	Animal Science	Producton technology of fodder oat	Feed & fodder technology	Fatehpura, navavas	1	0	25	25	0	0	0	0	25	25
4-Dec-2024	PF	Crop Production	Natural farming	Production of organic inputs	KVK	2	41	11	52	0	0	0	41	11	52
10-Dec-2024	PF	Plant Protection	IPDM in castor crop	Integrated Disease Management	Virta	1	29	1	30	0	0	0	29	1	30
11-Dec-2024	FW	Horticulture	Value addtion in Spice Crops	Processing and value addition	KVK	1	2	24	26	0	0	0	2	24	26
13-Dec-2024	FW	Animal Science	Care and managment of Calf	Dairy Management	KVK	1	1	29	30	0	0	0	1	29	30
13-Dec-2024	PF	Plant Protection	IPM in Castor	Integrated Pest Management	Sartanpur (Gadh)	1	19	1	20	0	0	0	19	1	20
14-Dec-2024	PF	Agricultural Engineering	Irrigation Management in castor crop	Soil and Water conservation	Dethli	1	23	0	23	0	0	0	23	0	23
14-Dec-2024	PF	Plant Protection	IPM in Castor	Integrated Pest Management	Bariyaf	1	41	0	41	0	0	0	41	0	41
16-Dec-2024	FW	Home Science	Preparation of aonla jam,laddo and mukhwas	Value addition	Venpura	1	0	35	35	0	0	0	0	35	35

17-Dec-2024	PF	Plant Protection	IPM in Mustard	Integrated Pest Management	Kamli	1	17	3	20	0	0	0	17	3	20
17-Dec-2024	PF	Agricultural Engineering	Efficient use of water in rabi crops through MIS	Installation and maintenance of micro irrigation systems	KVK	1	29	9	38	2	1	3	31	10	41
18-Dec-2024	PF	Plant Protection	IPM in Mustard	Integrated Pest Management	Buttapaldi	1	18	0	18	0	0	0	18	0	18
19-Dec-2024	PF	Plant Protection	IPM in Mustard	Integrated Pest Management	Sunok	1	24	1	25	0	0	0	24	1	25
20-Dec-2024	PF	Plant Protection	IPM in Mustard	Integrated Pest Management	Adivada	1	24	0	24	0	0	0	24	0	24
20-Dec-2024	FW	Animal Science	Scientific dairy farming	Dairy Management	KVK	1	3	27	30	0	0	0	3	27	30
24-Dec-2024	PF	Agricultural Engineering	harvesting technique of castor spike through improved small farm tools	Production of small tools and implements	KVK	1	19	6	25	0	0	0	19	6	25
24-Dec-2024	PF	Plant Protection	IPM in Mustard	Integrated Pest Management	Venpura	1	42	0	42	0	0	0	42	0	42
27-Dec-2024	PF	Plant Protection	IPDM in Mustard	Integrated Disease Management	Santhal	1	65	9	74	2	0	2	67	9	76
28-Dec-2024	PF	Plant Protection	IPDM in Mustard	Integrated Disease Management	Moyan	1	38	6	44	4	0	4	42	6	48
30-Dec-2024	EF	Horticulture	Scientific cultivation of Ajwain and fennel crops	Production and Management technology	KVK	1	0	0	0	0	0	0	33	17	50
30-Dec-2024	PF	Plant Protection	IPDM in Mustard	Integrated Pest Management	Martoli	1	20	4	24	1	1	2	21	5	26
31-Dec-2024	PF	Plant Protection	IPDM in Mustard	Integrated Disease Management	Ajabpura	1	23	1	24	4	1	5	27	2	29