





GANPAT UNIVERSITY KRISHI VIGYAN KENDRA

GANPAT VIDYANAGAR-384012

TA & DIST – MEHSANA, GUJARAT

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Annual Progress Report - 2023

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

Index

Page No	Content			
1	General information about the KVK			
6	Details of district			
14	Technical achievements			
19	Achievements on technologies assessed			
34	Frontline demonstration			
48	Training programmes			
67	Extension programmes			
70	Literature developed/published			
72	Success stories / case studies			
97	Functional linkage with other agencies and			
	departments			
98	Details of Linkage with ATMA			
100	Technical feedback			
104	Impact			
108	Kisan mobile advisory services			
109	Performance of infrastructure in KVK			
112	Financial performance			
114	Details of HRD activities attended by KVK staff during year			
115	Details of progress in doubling farmers income (DFI) villages adopted by KVKs			
115	Details of activities planned under NAR /PKVY / TSP / KKA			
115	Details of SAP			
116	Other important and relevant information which has not been reflected above			
119	Summery			
120	Training Annexure			

ICAR-ATARI, Pune

DETAILS OF ANNUAL PROGRESS REPORT OF KVKs DURING 2023

(1stJan.2023 to 31stDec. 2023)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address with PIN code	Telephon	e	E mail	Website address & No. of visitors (hits)
Krishi Vigyan Kendra,	Office	Fax	kvkmehsana@gmail.com	www.kvkmehsana.org
Ganpat University,	Mo.	-	kvkmehsana@ganpatuniversity.ac.in	9263
Mehsana District Education	07778033471			9205
Foundation,				
Mehsana-Gozaria Highway,				
Ganpat Vidyanagar-384012, Gujarat.				

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

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

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, 2023)

				bile No Discipline		If Permanent, indicate	Please		If Temporary, pl. indicate
Sl. No.	Sanctioned post	Name of the incumbent	Mobile No			Current Pay Band	Level	Date of joining	the consolidated amount paid (Rs./month)
1.	Senior Scientist and Head	Dr.R.A.Patel	9427692805	Plant Protection		152300	13A	14-12-2018	-
2.	Subject Matter Specialist	Dr.S.M.Soni	9228332681	Animal Husban	dry	93800	11	23-01-2006	-
3.	Subject Matter Specialist	Shri.B.K.Patel	9879820818	Crop production	n	99500	11	17-02-2006	-
4.	Subject Matter Specialist	Shri.M.R.Patel	8511221158	Extension Educ	ation	78500	10	09-04-2012	-
5.	Subject Matter Specialist	Mrs.Babita Ramniwas	9157695573	Home Science		71100	10	07-07-2015	-
6.	Subject Matter Specialist	Shri.R.A.Kachhadia	9428989555	Agricultural Eng	gineering	71100	10	07-07-2015	-
7.	Subject Matter Specialist	Smt. R.G.Barad	7698763363 Horticulture			56100	10	04-10-2023	_
8.	Programme Assistant	Ku.R.R.Patel	9427650382	Home Science		58600	6	29-08-2009	-
9.	Computer Programmer	Shri.A.D.Patel	9824479651	-		64100	7	29-05-2006	-
10.	Farm Manager	-		-					-
11.	Accountant/Superintendent	Shri.J.M.Patel	Patel 9924418019 -			58600	6	01-09-2009	-
12.	Stenographer	Shri.G.C.Rathod	9904244617	-		44100	5	01-06-2006	_
13.	Driver 1	Shri.K.G.Patel	9909842861	-		36400	4	25-09-2006	-
14.	Driver 2	Shri H.J.Patel	7383758118	-		21700	3	26-12-2023	-
15.	Supporting staff 1	Shri.M.H.Patel	9426235880	-		32000	2	18-05-2006	_
16.	Supporting staff 2	Shri.S.M.Patel	9426235879	-		32000	2	18-05-2006	_
1.6. Total	land with KVK (in ha) :								
S. N	S. No. Item						Area (1	ha)	
2	I Under Buildings 2 Under Demonstration Units						4.17)	
3.	3. Under Crops				3.00				
4.	. Horticulture						11.00)	
5.	Pond						0.95	2	
6.	. Utners if any						20.12)	
					20.12				

Infrastructural Development: Buildings 1.7.

A)

	Source of		Stage					
S.	Name of building	funding		Complete			Incomple	te
No.	Ivanie of building		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	Revolving fund	31/01/2018	50	1,50,000			
	unit)							
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			

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Mahindra Bolero	05/10/2005	5,00,000=00	249184	Very Poor
Massey tractor with trolley (Host institute)	23/06/2004	3,50,000=00	14405 hr	Very Poor
Motor cycle	13/10/2011	50,000=00	19736	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	11/01/2023	1. Shri Ganpatbhai I. Patel, Chairman and	To create awareness and make necessary efforts for the	In every training to create awareness for creating micro- forest.
		 Managing Trustee, MDEF, Ganpat University Shri Somabhai K. Rayka,Director, Krishi Vigyan Kendra Dr.Sirin Sekhar, Representative of Director Extension Education, SDAU, S.K.Nagar Shri Jayantilal S Patel,BOG Member , Ganpat University-KVK Shri Pravin R. Patel,BOG Member , Ganpat University-KVK 	preparation of maximum number of micro-forest unit during the training programme in Mehsana disctrict. Co-ordinating with FPOs, Farmers union and dairy for increasing the area of natural farming and to get high price of their produce as well as the sell of the produce—	During the year 48 programmes of natural farming including training, demonstrations, other extension activities etc. were conducted in which 2717 farmers and farm women participated and 373 beneficiaries were participated in one awareness programme. During the year 3057 farmers and farm women were informed
		 Dr.Upesh Kumar, Sr.Scientist & Head, KVK, Patan Dr.P.R. Patel, Agriculture Advisor, Ganpat University 	To create awareness about bio-pesticides to increase natural farming production	about natural farming during KVK visit.
		 Shri Kanjibhai S Patel,BOG Member, Ganpat University-KVK Dr.P.J. Patel, Research Scientist (Spices), SSRS, SDAU, Jagudan, 	Pradhanmantri Kisan Samridhi Kendra for guidance on fertilizer, seed, farm implement and soil testing	
		 Shri N.R. Sudana, Representative of, Dy.Director of Horticulture, Dept. of Horticulture, Mehsana 	To create awareness among farmers to rduce excessive use of urea fertilizer	Information provided on reducing urea consumption during the training programme.
		 Shri Rahul V. Patil, DDM, NABARD, Mehsana Shri Rajendra Bariya, Head, District Manager, 	Adoptation of 5 villages of Mehsana distrct to prepare a model of natural farming	16 demonstrations of natural farming are arranged in different villages
		Mehsana 13. Shri Amarsinh K. Chavada, DSC, Visnagar 14. Shri Arvind B. Patel, Engineer, District	To conduct training programme on natural farming to FPOs	Three training programme werer conducted
		Watershed development Unit, DRDO, Mehsana	To preapare contact dealers for promotion of modern technology in agriculture	More than 200 delears of Mehsana district were informed through the message of modern agriculture technology.

15. Shri Sanjay B. Patel, Fisheries Officer, Dept.	To make necessary efforts for	Analysed 201 soil and 40 water samples. Conducted 48
of Fisheries, Mehsana	soil reclamation	natural farming training and extension activities
16. Shri B.S. Patel, District level coordinator,	To conduct awareness	Suposhan and Sashakt Purna workshop conducted in
GSFC, Mehsana	programmes to take nutritious	collobaration with ICDS and two training programme
17. Shri B.N. Patel, Dy. Director Agriculture	the neerle	nave been conducted.
(Training) & Project Director, ATMA,	To conduct awareness	15 demonstrations of millets groups millets dish
Mehsana	programme on millets crops	competition in three villages as well as Talukawise
18. Shri S.S., Patel, Dv. Director Agriculture	programme on minets crops	agricultal mela organized by agriculture department in
(Extension), Mehsana		which gave technical guidance by KVK experts to
19. Shri Ratansinh M Rajput, Progressive Farmer,		farmers and workshop on conservation and value
Amarpura, Ta.Mehsana		addition of millets were organized in collaboration with
20. Shri Vijaybhai A. Patel, Progressive Farmer,		NABARD.
Khavad, Tal.Kadi		
21. Smt.Sunitaben Desai, Programme Officer,		
ICDS, Mehsana		
22. Dr.Amit S. Choudhary, Dy. Director of		
Animal Husbandry, Mehsana		
23. Shri Ashvin R. Patel, BOG Member, Ganpat		
University-KVK		
24. Smt.Jamiben Chaudhary ,Progressive Farm		
woman, Malarpura, Tal.Kheralu		
25. Shri Arvind R. Patel, Regional Business Head,		
GSFC, Mehsana		
26. Dr.R.A. Patel, Sr. Scientist & Head, KVK,		
Mehsana		

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,	64500
		Medium permeability	
2	Sandy loam	Retain more water and nutrient than sandy soil and black soil	259700
3	Sandy	Low water holding capacity	28900
		High permeability	
4	Saline / salt affected	Salt accumulate on soil surface,	81900
		Water logging condition,	
		Crack formation during summer season	
		It contain excess neutral soluble salts chiefly chlorides and sulphate of Na, Mg and Ca	
		Total	435000

SR.	Cuona	2018-19			2019-20		2020-21			2021-22			
No.	Crops	AREA	PROD.	YIELD	AREA	PROD.	YIELD	AREA	PROD.	YIELD	AREA	PROD.	YIELD
1	Rice Irrigated	30.10	73.71	2448.68	40.30	78.53	1948.53	55.01	120.51	2190.67	51.79	118.56	2289.33
	Rice summer	0.80	2.08	2600.00	1.70	5.01	2949.67	1.73	5.19	2999.01	1.89	5.53	2923.99
2	BajaraKharif	22.90	33.99	1484.15	30.15	51.50	1708.25	35.16	41.16	1170.68	34.02	60.98	1792.50
	Bajara summer	95.80	307.46	3209.40	104.25	338.58	3247.79	103.16	273.29	2649.19	90.16	276.41	3065.80
3	Maize kharif	0.28	0.50	1770.09	1.97	2.95	1497.34	3.63	5.52	1520.85	3.10	6.04	1949.53
	Maize rabi	0.00	0.00	0.00	0.80	1.82	2276.00	0.65	1.48	2273.01	2.05	5.19	2529.81
	Maize summer	0.00	0.00	0.00	0.35	0.73	2078.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Moongkharif	22.89	8.13	355.00	19.76	7.66	387.60	21.41	8.82	412.04	27.27	10.34	379.00
	Moong Summer	3.35	3.96	1181.00	2.73	2.85	1044.95	2.05	2.35	1147.78	1.76	2.33	1324.79
5	Math kharif	3.42	0.28	82.00	3.35	1.55	461.82	6.18	3.22	521.46	5.49	2.42	440.62
6	Udadkharif	68.92	46.66	677.00	71.92	32.98	458.52	109.75	64.91	591.45	190.20	76.70	403.25
	Udad summer	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	900.00	0.00	0.00	0.00
7	Turkharif	0.86	1.04	1208.87	0.20	0.20	990.54	0.92	1.09	1185.81	1.29	1.50	1159.84
8	Groundnut kharif				139.79	390.09	2790.51	241.93	783.58	3238.86	217.03	661.20	3046.59
	Groundnut summer	11.16	22.87	2049.00	20.49	50.12	2446.30	18.68	38.11	2040.00	12.77	28.29	2215.00
9	Castor	871.84	1929.37	2212.99	977.76	2336.69	2389.84	813.95	1960.38	2408.48	828.58	2049.85	2473.93
10	Sesamumkharif	15.18	6.36	418.95	16.58	7.21	434.77	17.60	4.00	227.00	18.41	6.09	330.56
	Summer	3.14	1.51	480.00	5.36	2.95	550.00	3.50	1.75	500.00	7.13	3.85	540.00
11	Soyabean	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.34	1357.46	0.32	0.52	1630.69
12	Cotton irrigated	346.73	1450.35	711.10	382.06	1225.85	545.45	356.02	1372.85	655.54	322.46	1208.21	636.97
13	Tobacco kharif	0.70	1.29	1849.31	0.50	0.98	1965.67	0.08	0.16	2054.18	0.00	0.00	0.00
	Tobacorabi	127.00	215.90	1700.00	162.00	562.25	3470.65	179.10	608.36	3396.78	180.62	618.50	3424.29
14	Guar	111.57	78.10	700.00	138.80	99.39	716.06	137.05	123.84	903.61	122.50	99.32	810.81
15	Wheat irrigated	588.43	1988.33	3379.05	686.29	2379.13	3466.65	717.51	2432.16	3389.73	681.27	2243.28	3292.80
16	Gram	0.00	0.00	0.00	0.80	1.82	2276.00	0.65	1.48	2273.01	11.35	21.65	1907.62
17	Mustard	139.45	239.65	1718.56	126.78	245.00	1932.47	153.34	299.77	1954.93	219.35	468.37	2135.26

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

Source :www.agri.gujarat.gov.in

Сгор	Area (ha)	Production (MT)	Productivity (Mt/ha)
Mango	960	4992	5.20
Chiku	1045	9352	8.95
Citrus	13450	188300	14.00
Ber	1785	17850	10.00
Guava	940	9400	10.00
Pomegranate	900	10800	12.00
Date palm	16	80	5.00
Рарауа	650	31265	48.10
Custard apple	75	578	7.71
Aonla	1165	9320	8.00
Potato	10572	317000	29.98
Onion	263	5523	21.00
Brinjal	3200	52200	16.31
Cabbage	2250	39915	17.74
Okra	2250	31500	14.00
Tomato	6300	196434	31.18
Cauliflower	2050	41000	20.00
Clusterbean	3600	38880	10.80
Cowpea	1000	10000	10.00
Cucurbits	2005	31300	15.61
Cumin	164	150	0.91
Fennel	8241	18130	2.20
Dry Chilli	1250	2375	1.90
Fenugreek	611	2283	2.10
Ajwain	5377	5915	1.10
Dilseed	1023	1228	1.20
Garlic	121	715	5.91
Coriander	77	108	1.40
Flowers	190	1742	9.17
Isabgul	27	22	0.81

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

Source: Dept. of Horticulture, Mehsana, Gujarat

2.5. Weather data (2023)

Month	Rainy day	Dainfall (mm)	Temperature ⁰ C			
IVIOIILII		Kannan (mm)	Minimum	Maximum		
January-2023	0	2.00	13	28		
February-2023	0	0.00	16	34		
March-2023	0	14.30	22	38		
April-2023	2	11.40	23	39		
May-2023	2	3.60	27	41		
June-2023	9	227.15	28	37		
July-2023	22	402.15	27	33		
August-2023	3	49.55	26	32		
September-2023	3	159.24	26	33		
October-2023	0	1.77	24	34		
November-2023	1	10.70	21	32		
December-2023	0	0.10	17	29		
Total	42	881.96	-	-		

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	Name of the village	Major crops &	Major problem	Identified Thrust Areas
		of the		enterprises	identified	
		block				
			Denap, Ralisana,	Castor,	Less land holding	Integrated Crop
			Saduthala, Sunsi,	Cotton,	No use of high	Management
			Savala, Bokarvada,	Tobacco,	yielding and	Integrated Nutrient
1	Vienagar	Vienagar	Amarpura, , Kansa,	Wheat,	resistant varieties	Management
1	v isilagai	v isilagai	Kuvasan, Ghaghret,	Pearl millet,	No use of	Integrated Pest
			Kharavada,	Sorghum,	micronutrients	Management
			Umta, Kansarakui,	Mustard,	Acute shortage of	Integrated Disease
			Gadha	Lucerne,	irrigation water	Management
			Baliyasan,	Fennel,	Unawareness about	Micro Irrigation System
			Bhakadiya,	Cumin, Chilli,	pest identification	Disease Management in
			Bhesana, Bodla,	Potato,	and disease	dairy animal
			Buttapaldi, Davada,	Pomegranate,	diagnosis	Feed Management in
			Chitrodipura,	Acid lime,	Shortage of organic	dairy animals
			Deloli, Dhandusan,	Ber, Guava,	manures	Dairy Management
			Ghada, Jagudan,	Watermelon,	Poor quality of	Breeding management in
			Kharasada, Maguna,	Brinjal,	manures	dairy animals
			Meu, Piludara,	Paddy,	Imbalance chemical	Soil fertility management
2	Mehsana	Mehsana	Rupal, Vadosan,	Sesamum,	fertilizers	Nursery Management
			Gokalgadh, Gorad,	Clusterbean,	application	Fodder Production
			Haripura,	l omato,	Poor physical	Production of Organics
			Sangalpur,	Sapota, Aonia,	characteristic of	Inputs
			Gilosan, Devinapura,	Green gram,	Solls	Production and
			Khara, bhakadiya,	mango,	Low availability of	Management technology
			Kantharavı, Mevad,	Drumstick,	green fodder	of norticultural crops
			Gozariya,	groundnut,	Crop damaged by	Value Addition
			kadavsana, Kukas,	ajwain, oli	Wild animals	Low Cost High Nutrient
			Vadu, Hingiazpura	bortioultura	of aron produced	Storage loss
			Kalyal, Kilavau,	crops pulses	Unhealthy raising	Minimization
3	Kadi	Kadi	Norada Nagragan	crops, puises	of vegetables	Technology
			Marcua, Nagrasan,	Mothbean	seedling	Women and Child Care
			Visaipui, Univa,	Fodder crops	Low productivity	Household Food Security
			Kot Ransinur	Poultry	of livestocks	hv kitchen garden
4	Vijopur	Vijopur	Kot, Kalisipui, Sankanura Vajanur	livestock	Not follow post	Farm Mechanization
4	vijapui	v ijapui	Techava Dhannura	farm	harvestmanagement	Group Dynamics
			Ladol Kharod	implements	Found health	Entrepreneurship
			Ladoi, Kilaiou	home science	weakness in Girls	Development
			Kubada, Kuvasada,	organic	and women	Local specific Drudgery
5	Satlasana	Satlasana	Gothada, Vasda,	farming	Improper Orchard	Reduction Technology
			Mumanvas,	women	management	Organic farming
	1			empowerment	High cost of	Seed production
_			Adiwada,	soil health.	cultivation	Repair and maintain of
6	Bechraji	Bechraji	Pratapnagar,	capacity	Labour scarcity	farm machineries and
			Venpura, Ghambhu,	building.	High cost of animal	implements
				kitchen	feeds	Varietal evaluation
			Malekpur,	garden, cattle	Unawareness about	Production of small tools
7	Vadnagar	Vadnagar	Sundhiya,		animal feed	and implements
,	, aanagui	, a anna Bur	Kamalpur, Sipor,		management	Production of feed and
			Kahıpur,Kesimpa		Found storage loss	fodder

8	Kheralu	Kheralu	Chansol, Dedasan, Fatehpura, Malarpura, Vithoda, Varetha, Panchha, Gorisana, Rangpurda,	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	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
9	Unjha	Unjha	Bhunav, Kahoda,Kamli, Karli,	Anaemia in adolescent girls and farm women Lack of knowledge about secondary agriculture Use of improved farm implements are not affordable Heavy infestation	Designing and development of low / minimum cost diet WTO and IPR issue Use of plastics in farming practices Group dynamics
10	Jotana	Jotana	Martoli, santhal, Kasalpura, Modipur,	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 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	Integrated Crop Management
Cotton, Castor, Sesamum,	Integrated Nutrient Management
Mustard	Integrated Disease Management
	Integrated Pest Management
	Productivity enhancement in field crops
	Weed management
	Micro-irrigation system
Pulse crop - Greengram,	Integrated Crop Management
Blackgram, chickpea	Integrated Nutrient Management
	Integrated Disease Management
	Seed Production
	Integrated Pest Management
	Weed management
Millets, Fodder Bajra and	Integrated Crop Management
Sorghum	Integrated Nutrient Management
	Varietal Evaluation
	Production of small tools and implements
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,	Integrated Nutrient Management
Fenugreek, Ajwain, Cumin	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
Acid Lime, Drumstick,	Production and Management Technology
Watermelon and Guava	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 &	Income Generation Activities for empowerment of rural women
Home Science	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

3. TECHNICAL ACHIEVEMENTS

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

	01	FT		FLD			
	1	1		2			
Number of OFTs		Number of farmers		Number of FLDs (ha)		Number of farmers	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
7	6	70	60	86.4	104.7	491	676

	Trai	ning		Extension Programmes			
		3		4			
Num	ber of Courses	Number of Participants		Number	r of Programmes	Number of participants	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
106	88	2445	2777	156	1451	3761	24112

Seed Produ	iction (Qtl.)	Planting materials (Nos.)			
	5	6			
Target	Achievement	Target	Achievement		
72	35.72	27000	25600		

Livestock, poultry strai	ns and fingerlings (No.)	Bio-products (Kg)		
7		8		
Target	Achievement	Target	Achievement	
-	-	3000	4714	

3.1. B. Operational areas details during 2023

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	Wrong sowing method Injudicious use of fertilizers	2500 ha	Mehsana district	OFT, FLD, Training and extension activity
2	Chickpea	No use of bio-fertilizers as well as micronutrients Lack of knowledge about pests and diseases identification and management	450 ha	Mehsana district	CFLD, Training and extension activity
3	Greengram	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	1000 ha	Mehsana district	Training and extension activity
4	Castor	Don't use recommended agronomical practices	72000 ha	Mehsana district	CFLD, Training and extension activity
5	Mustard	No use of high yielding and resistence variety	8000 ha	Mehsana district	CFLD, Training and extension activity
6	Groundnut	No use of bio-fertilizers and micronutrients as well as bio pesticides. Unawareness about plant protection	7000 ha	Mehsana district	Training and extension activity
7	Sesamum	measures High cost of cultivation Poor socio-economic condition Lack of skill, Improper sowing method	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 fertilizerImpropersowing 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	Extension activity, Training
10	Fennel	Low yield use old variety No use of bio-pesticides Unawareness about pest	3500 ha	Mehsana district	FLD, Extension activity, Training
11	Cumin	High incidence of blight False method and inadequate dose of pesticides	100 ha	Mehsana district	OFT, FLD, 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 Use local variety	17000 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	OFT, 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 Heavy infestation of nematode	7000 ha	Mehsana district	Training, extension activities

		Not follow postharvest management Lack of skill			
		High cost of cultivation			
		Deficiency of micro-nutrient			
		Low market price			
16	N (*11. /		110001		Turining FLD
16	Millet crops	Low production	11000 ha	Mehsana district	OFT Futuration activity
		No. Awaranaga about nutririah arang			OF I, Extension activity
17	Nisternal Grandina	No Awareness about nutrificit crops	20000 1-	Mahaana district	Training ELD Extension
1 /	Natural farming	Low production	20000 na	Mensana district	activity
10	Vagatable Crang		10000 ha	Mahaana district	Training automaion
18	vegetable Crops	Low yield Upawaraness about post and disease	10000 na	Mensana district	activities
		management			activities
		Heavy infestation of nematode			
		Not follow postharvest management			
		Lack of skill			
		High cost of cultivation			
		Deficiency of micro-nutrient			
		Low market price			
19	Fodder crops	Low fodder production	20000 ha	Mehsana district	FLD, Training and extension
	1	High cost of animal feed			activity
		High cost of cultivation			
		Use local variety			
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	Low milk production in lactacting buffalo	1 lakh no.	Mehsana district	FLD, Training and
	Mineral Mixture)				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	1 lakh no.	Mehsana district	OFT, Training, Extension
		Poor feed and fodder management			activity
		Repeat breeding			
		High cost of animal feed			
		Unawareness about vaccination and			

		deworming High incidence of ectoparasitic infestation			
25	Wheel hoe	Poor adoption of farm mechanization Labour scarcity	-	Mehsana district	FLD, Training and extension activity
26	Revolving milking stool and stand	High drudgery More time require	-	Mehsana district	FLD, Training and extension activity
27	Secutter	High drudgery, More time require, High rate of dropping capsul, More time require	-	Mehsana district	FLD, Training and extension activity
28	Dibbler	High drudgery, High seed rate Poor germination	-	Mehsana district	FLD, Training and extension activity
29	Fodder harvester	High drudgery More time require	-	Mehsana district	Training and extension activity
30	Kitchen garden	Poor house hold food security	-	Mehsana district	FLD, Training and extension activity
31	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
32	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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetable	Fruits	Spice	Plantation crops	Tuber Crops	TOTAL
Integrated										
Nutrient										
Management										
Varietal	1		1				1			2
Evaluation	1		1				1			5
Integrated Pest										
Management										
Integrated Crop										
Management										
Integrated Disease										
Management										
Small Scale										
Income										
Generation										
Enterprises										
Weed										
Management										
Resource										
Conservation										
Technology										
Post harvest						1				1
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	1	0	0	5

3.2. Technology Assessment (Kharif 2023, Rabi 2022-23, Summer 2023) A1. Abstract on the number of technologies assessed in respect of crops

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 Technologic al 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
	Cumin	Assessment of new release GC-5 variety	10	10	2
Integrated Pest Management					
Integrated Crop					
Management					
Integrated Disease					
Management					
Small Scale Income					
Generation Enterprises					
Weed Management					
Resource Conservation Technology					
Post harvest technology	Lime	Lime harvester	10	10	-
Integrated Farming System					
Seed / Plant production					
Value addition	Home sciene	Bajara biscuit	10	10	-
Storage Technique					
Total			50	50	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	Use of soap permethrin 5% + cetrimide 1% + Aloevera (1%) apply and massage the leather on every part of body and wash after 1 hour	10	10
Production and				
management				
Feed and fodder				
Small scale income				
generating enterprises				
Total			10	10

B.3 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			
Eentrepreneurship development			
Engegy consrvation			
storage techniques			
House hold food security			
organic farming			
mechanization			

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			
Kitchen gardening			
nutrition security			

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
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	6.35 %, 1.52% and 13.56 % more yield over T1, T2 and T3 respectively	High yielding variety	-	-

Technology Assessed	Source of Technology	Test weight	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	4.3	630	kg/ha	26811	2.3
Recommendation -GU-2	JAU, Junagadh	4.5	660	kg/ha	28961	2.41
Recommendation-GU-3	NAU, Navsari	4.4	590	kg/ha	23711	2.15
Recommendation-GU-4	AAU, Anand	4.6	670	kg/ha	29711	2.45

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

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
Wheat	Irrigated	Low yield of late sown wheat	Assessment of late sown new release GW-499 variety	5	Recommenda tion-GW-499	Yield, Test weight, BCR	Yield, Test weight, BCR	17.08 % and 5.02% more yield over T1 and T2 respectively	High yielding variety	-	-

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	41.10	3660	kg/ha	71836	2.48
Recommendation -GW-173	SDAU, S.K. Nagar	41.70	4080	kg/ha	60139	2.83
Recommendation-GW-499	SDAU, S.K. Nagar	46.68	4285	kg/ha	93774	2.99

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	:	T1 : Local cultivar-GW-496, T2 : Recommendation - GW-173, T3: Recommendation-
	assessment		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	:	Yield, Test weight, BCR
	performance indicators		
7.	Feedback, matrix scoring of various	:	-
	technology parameters done through farmer's		
	participation / other scoring		
	techniques		
8.	Final recommendation for micro level	:	2 nd Year trial
	situation		
9.	Constraints identified and feedback for	:	-
	research		
10.	Process of farmers participation and their		Group meeting and field visit
	reaction		

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
Cumin	Irrigated	Low yield of cumin	Assessment of new release GC- 5 variety	10	Recommenda tion-GC-5	Yield, BCR	Yield, BCR	Failed due to heavy rain at the time of maturity	-	-	-

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	-	kg/ha	-	-
Recommendation-GC-4	SDAU, S.K. Nagar	-	kg/ha	-	-
Recommendation-GC-5	SDAU, S.K. Nagar	-	kg/ha	-	-

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 GC-5 variety
2.	Problem Definition	:	Low yield of cumin
3.	Details of technologies selected for	:	T1 : Local cultivar, T2 : Recommendation-GC-4, T3: Recommendation-GC-5
	assessment		
4.	Source of technology	:	Seed Spices Research Station, Jagudan, SDAU, S.K. Nagar
5.	Production system and thematic area	:	Irrigated, Varietal evaluation
6.	Performance of the Technology with	:	Yield, BCR
	performance indicators		
7.	Feedback, matrix scoring of various	:	-
	technology parameters done through		
	farmer's participation / other scoring		
	techniques		
8.	Final recommendation for micro level	:	2nd Year trial
	situation		
9.	Constraints identified and feedback for	:	-
	research		
10.	Process of farmers participation and their		Group meeting and field visit
	reaction		

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
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	35 and 20 percent decreaseEctoparasitic Infestation rate over T1 and T2 respectively	-	-	_

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	7.90	55	1.52
	-			
T2 : Application of amitraj 1% + cypermethrin 1% + piperonylbutoxide 5% solution @ 1 ml/10 kg body weight topically along the midline and repeat	IVRI, Izzatnagar	8.40	70	1.60
after 21 days				
13: 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	9.10	90	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 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	:	Ectoparasitic infestation (%), milk production, BCR
	performance indicators		
7.	Feedback, matrix scoring of various technology	:	-
	parameters done through farmer's participation /		
	other scoring techniques		
8.	Final recommendation for micro level situation	:	3 rd Year trial, 2 nd year result
9.	Constraints identified and feedback for research	:	-
10.	Process of farmers participation and their		Group meeting and field visit
	reaction		

C1.Results of Technologies Assessed

Results of On Farm Trial (2ndyear)

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 81.72 and 71.64 in T2 and T3 over T1 technology	-	-	-

Technology Assessed	Source of Technology	Dropping percent	harvesting capacity kg/hour	
13	14	15	16	
Bamboo stickwithhook	Farmer practices	100	9.55	
Lime harvester developed by RTTC, JAU	JAU, Junagadh	18.28	7.45	
Lime harvester developed by College of horticulture, Jagudan, SDAU	SDAU, Jagudan	28.36	6.61	

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

C1.Results of Technologies Assessed

Results of On Farm Trial (1styear)

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	-	-	_

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	20 days	Good	-	
Bajara flour + wheat flour + milk + baking powder + vanilla essence + sugar + butter	ICAR, New Delhi	18 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	:	Bajara flour + wheat flour + milk + baking powder + vanilla essence + sugar + butter
	for assessment		
4.	Source of technology	:	ICAR, New Delhi
5.	Production system and thematic	:	Value addition
	area		
6.	Performance of the Technology	:	Durability, Taste
	with performance indicators		
7.	Feedback, matrix scoring of	:	Taste is very good and good for health
	various technology parameters		
	done through farmer's		
	participation / other scoring		
	techniques		
8.	Final recommendation for micro	:	1 st year trial
	level situation		
9.	Constraints identified and	:	-
	feedback for research		
10.	Process of farmers participation		Group meeting and field visit
	and their reaction		

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 2023 and recommended for large scale adoption in the district

				Details of	Horizonta	al spread of te	chnology
S No	Crop/Enterprise	Thematic Area	Technology demonstrated	popularization	No. of	No. of	Area in
0.110				methods suggested to	villages	farmers	ha
				the Extension system			
1	Mustard	Integrated Crop Management	Full package	CFLD	30	950	400
2	Cotton	Integrated Pest Management	Beauveria bassiana, neem oil	FLD	23	600	250
3	Groundnut	Integrated Crop Management	Full package	CFLD	25	1100	400
4	Blackgram	Integrated Crop Management	Full package	CFLD	25	450	220
5	Chickpea	Integrated Crop Management	Full package	CFLD	20	250	150
6	Natural farming	Resource conservation technology	Full package	FLD	40	150	100
7	Livestock	Disease management	Fenbendazole	FLD	40	1000	-
8	Livestock	Animal nutrition management	By pass protein	FLD	20	450	-
9	Livestock	Animal nutrition management	Probiotic	FLD	15	100	-
10	Livestock	Animal nutrition management	Chelated mineral mixture	FLD	40	950	-
11	Wheat	Varietal evaluation	GW-451	FLD	75	1500	800
12	Fennel	Integrated Pest Management	Beauveria bassiana, neem oil	FLD	25	350	250
13	Castor	Integrated Crop Management	Full package	CFLD	60	1200	600
14	Kitchen garden	Household food security by kitchen gardening and nutritional gardening	Seeds and seedling of vegetables	FLD	30	500	-
15	Wheel hoe	Drudgery reduction	Wheel hoe	FLD	30	280	-
16	Secutter	Farm Mechanisation	Secutter	FLD	40	300	-
17	Dibbler	Production of small tools and implements	Dibbler	FLD	15	35	-
18	Fodder sorghum	Feed and fodder production	COFS-29	FLD	10	25	10

B. Details of FLDs implemented during 2023(Kharif 2023, Rabi 2022-23, Summer 2023) (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
	1				Proposed	Actual	SC/ST	Others	Total	
1	Wheat	Varietal evaluation	GW-451	Rabi, 2022-23	10	10	0	40	40	-

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
			51	Ν	Р	K					
Wheat	Rabi	Irrigated	Sandy loam	L	М	Н	-	-	-	-	-

Technical Feedback on the demonstrated technologies

S. N	lo	Feed Back						
1		-						
Farmers	Farmers' reactions on specific technologies							
S. No	Feed B	ack						
1	Wheat	GW-451						
	High y	ielding variety, Good for chapatti						
	Lodging resistant variety							
	Test we	eight increased						
Extensio	m and T	raining activities under ELD						

Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organized	Date	Number of participants	Remarks / Place
1	Field days	2	09/03/2023	95	Rupal, Karli
2	Farmers Training	1	19/10/2022	41	KVK
3	FLD Field Visit	4	-	34	Rupal, Karli

Horticultural crops

SI. No.	Сгор	Thematic area	Technology Demonstrated	Season and year	Area (ha)		N d	Reasons for shortfall in achievement		
					Proposed	Actual	SC/ST	Others	Total	
1	Fennel	Integrated Pest Management	Beauveria bassiana, Neem Oil	Rabi 2022-23	10	10	0	25	25	-
2	Watermelon	Use of plastic mulch in farming practices	Plastic Mulch	Summer-2023	1	1	0	10	10	-

Details of farming situation

Crop	Season	Farming	Soil type	Status of soil			Previous	Sowing	g Harvest	Seasonal rainfall	No. of rainy	
crop	Seuson	(RF/Irrigated)	Son type	Ν	Р	K	crop	date	date	(mm)	days	
Fennel	Rabi- 2022-23	Irrigated	Sandy loam	L	М	Н	-	-	-	-	-	
Watermelon	Summer- 2023	Irrigated	Sandy loam	L	М	Н	-	-	-	31.30	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

Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organised	Date	Number of participants	Remarks / Place
	Fennel - IPM				
1	Field days	1	25/01/2023	70	Bhunav
2	Farmers Training	1	22/10/2022	31	Bhunav
3	FLD Field Visit	2	-	45	Bhunav
	Watermelon (Mulch)				
1	Field Day	1	04/05/2023	40	Rampura Kot
2	Training	1	10/02/2023	10	KVK
3	Field Visit	2	04/05/2023	27	Rampura Kot, Bamanva

Oilseeds

Sl. No.	Сгор	Thematic area	Technology Demonstrated	Season and year	Area	(ha)		Reasons for shortfall in achievement		
					Proposed	Actual	SC/ST	Others	Total	
1	Castor	ICM	Full package	Kharif 2022	20	20	0	50	50	-
2	Mustard	ICM	Full package	Rabi 2022-23	20	20	0	50	50	-

Details of farming situation

Crop Castor Mustard		Farming	Soil type		Status of	soil	Previous	Sowing date	Harvest	Seasonal rainfall (mm)	No. of rainy days		
	Season	(RF/Irrigated)		Ν	Р	K	crop		date				
	Kharif	Kharif	Kharif	Irrigated	Sandy loam	L	М	Н	-	-	-		
	d Rabi	Rabi Irrigated	Sandy loam	L	М	Н	-	-	-				

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
	Beauveria bassiana, neem oil and sticky trap manage aphid effectively

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	09/02/2023	76	Santhal, Kashalpura
		1	28/01/2022	72	Venpura
2	Training	2	02/08/2022, 27/09/2022	120	KVK, Santhal, Kashalpura
3	Field visit	7	-	137	Santhal, Kashalpura, Gorad
	Mustard- NFSM				
1	Field Day	2	19,27-01-2023	141	Martoli, Adivada
2	Training	2	30-09 & 11-10-2022	50	KVK
		2	13 & 15-12-2022	62	Martoli, Adivada
3	Field visit	6	-	150	Martoli, Adivada

Pulses

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
110.					Proposed	Actual	SC/ST	Others	Total	
1	Chickpea	ICM	Full package	Rabi 2022-23	10	10	0	25	25	-

Details of farming situation

		Farming		Status of soil			Durations	Couving	Howyoot	Casage al main fall	No. of
Crop	Season	situation (RF/Irrigated)	Soil type	N	Р	K	crop	date	date	(mm)	rainy days
Chickpea	Rabi 2022-23	Irrigated	Sandy loam	L	M	Н	-	-	-	-	-

Technical Feedback on the demonstrated technologies Farmers' reactions on specific technologies

S. No	Feed Back
1	Chickpea
	Variety, GJG-5 is good and bold seeded
	Beauveria bassiana, HNPV, SNPV, Pheromone traps and neem oil manage pod borer effectively

Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organised	Date	Number of participants	Remarks / Place
	Chickpea				
1	Field days	3	02/11/2022,	131	Vadosan, Maguna, Deloli
			22/02/2023		
2	Farmers Training	1	17/10/2022,	59	KVK, Maguna
			14/12/2022		
		1	17/12/2022	29	Laxmipura and Kamalpur
3	FLD Field Visit	9	-	82	Vadosan, Maguna, Deloli

Cotton and commercial crops

Sl. No.	Crop	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 2023	10	10	0	25	25	-
2	Castor	Varietal evaluation	GCH-9	Kharif-2022	0	2	0	5	5	-

Details of farming situation

Crop	Season	Farming	Soil type	Status of soil			Previous	Sowing	Harvest	Seasonal	No. of rainy
		(RF/Irrigated)		N	Р	K	crop	date	date	rainfall (mm)	days
Cotton (IPM)	Kharif 2023	Irrigated	Sandy loam	L	М	Н	-	-	-	838.09	37
Castor (GCH-9)	Kharif-2022	Irrigated	Sandy loam	L	М	Н	-	-	-	337.12	37

Technical Feedback on the demonstrated technologies

S. No	Feed Back							
1	-							
Farmers' rea	armers' reactions on specific technologies							
S. No	Feed Back							
1	Cotton -IPM							
	Bio-pesticides effectively manage sucking pest and pink bollwarm (21.77 % reduction in boll damage)							
	Environmentally safety approach							
2	Castor GCH-9							
	Small seed size as compared to GCH 8							

Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organised	Date	Number of participants	Remarks
	Cotton-IPM				
1	Field days	1	10/11/2023	27	Kesimpa
2	Farmers Training	1	18/08/2023	32	KVK
3	FLD Field Visit	2	-	53	Kesimpa
	Castor GCH-9				
1	Field days	-	-	-	-
2	Farmers Training	-	-	-	-
3	FLD Field Visit	1	25/01/2023	31	Denap

Other Crop

			T 1 1	Season and year	Area	(ha)	No. of f	farmers/demonstr	ation	Reasons for
SI. No.	Crop	Thematic area	Technology Demonstrated		Proposed	Actual	SC/ST	Others	Total	shortfall in achievement
1	Fodder Sorghum	Varietal evaluation	COFS-31	Kharif - 2023	2.5	2.5	0	25	25	-
2	Blackgram	ICM	GU-1	Kharif - 2023	10	10	0	25	25	-
3	Natural Farming	Resource conservation technology	Barel - 200 lit- 1 no, 50 lit-2 no, Bucket-2 no. Jaggery - 5 kg, Gramflour - 4 kg.	Rabi-2022-23	16	8	1	7	8	Shortage of grant

Details of farming situation

			Farming		:	Status of s	soil	Previous	Sowing	Harvest	Seasonal	No of rainy				
Crop		Season	situation (RF/Irrigated)	Soil type	N	Р	K	crop	date	date	rainfall (mm)	days				
Fodde (COF	er Sorghum S-31)	Kharif- 2023	Irrigated	Sandy loam	L	М	Н	-	-	-	838.09	37				
Black	gram	Kharif- 2023	Rainfed	Sandy loam	L	М	Н	-	-	-	838.09	37				
Natur	atural Farming Rabi-2022-23 Irrigated Sandy loam L M H															
Technic	al Feedback	on the demonstrated technologies														
5	S. No	on the demonstrated technologies Feed Back														
	1	-														
Farmers	' reactions o	n specific technolog	gies													
S. No	Feed Ba	ck														
1	Fodder	Sorghum – CoFS-3	31													
	Good for	r green fodder produ	uction													
2	Blackgr	am-GU 1														
	High yie	lding variety														
3	Natural	Farming														
	Low pro	duction, Labour cos	st 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	-	-	-	-
2	Training	1	22/06/2023	25	KVK
3	Field Visit	-	-	-	-
	Blackgram-GU 1				
1	Field Day	1	30/09/2023	25	Karli
2	Training	1	21/06/2023	25	KVK
3	Field Visit	1	30/09/2023	25	Karli
	Natural farming				
1	Field Day	1	05/10/2023	39	Sundhiya
2	Training	-	-	-	-
3	Field Visit	7	-	27	-

C. Performance of Frontline demonstrations Frontline demonstrations on oilseed crops

G	Thematic	technology	T 7 • 1	No. of	Area		Yie	ld (q/ha)		%	Econ	omics of (Rs.	demonstı ./ha)	ation	E	conomic (Rs.	s of chec ./ha)	k
Crop	Area	demonstrated	Variety	Farmers	(ha)		Dem	0	Check	Increase in vield	Gross	Gross	Net	BCR	Gross	Gross	Net	BCR
						High	Low	Average	Check	in yield	Cost	Return	Return	(R/C)	Cost	Return	Return	(R/C)
Castor																		
Castor 2022-23	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., Neem oil - 1.8 lit	GCH-8	50	20	44.10	33.28	37.68	30.20	24.77	52224	244920	192696	4.69	56858	196300	139442	3.45
Mustard																		
Mustard 2022-23	Integrated Crop Management	Seed GDM-4 - 3.5 kg, Sulphur-40 kg, NPK consortia-1.25 lit,Beauveria bassiana-2.5 kg, Neem Oil(10000 PPM)-1.8 lit,Sticky trap- 10 nos	GDM-4	50	20	23.30	17.47	19.22	16.90	13.73	33063	105710	72647	3.20	31671	92950	61279	2.93

Frontline demonstration on pulse crops

Course	Thematic			No. of	Area		Yie	ld (q/ha)		%	Econ	omics of (Rs.	demonstr /ha)	ation	E	conomics (Rs.	s of chec! /ha)	k
Crop	Area	technology demonstrated	variety	Farmers	(ha)		Dem	0	Cheek	in vield	Gross	Gross	Net	BCR	Gross	Gross	Net	BCR
						High	Low	Average	CHECK	ili yiciu	Cost	Return	Return	(R/C)	Cost	Return	Return	(R/C)
Chickpea																		
Chickpea 2022-23	ICM	Seed GG-5 - 60 kg, Sulphur-20 kg, NPK Consortia 1.2 lit, Beauveria bassiana - 2.4 kg, Pheromone trap and Lure	GJG 5	25	10	12.48	8.85	10.82	8.60	25.81	28611	67920	39309	2.37	28580	48580	20000	1.70

FLD on Other crops

		N 64	No. of			Yield	l (q/ha)		%	Ot Para	ther meters	Ecor	omics of d (Rs./	lemonstrat 'ha)	tion	Eco	nomics of c	check (Rs./	ha)
Category & Crop	Thematic Area	Name of the technology	Farme rs	Area (ha)	High	Demo Low	Average	Check	in Yield	De mo	Check	Gross Cost	Gross Retur n	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Cereals											1								
Wheat										Test (gr	weight ram)								
Wheat 2022-23	Varietal Evaluation	Seeds of Variety GW-451 : 125 kg.	40	10	49.92	37.44	43.23	37.10	16.62	-	-	48003	142290	94287	2.96	47875	122100	74225	2.52
Natural farming																			
Wheat	Resource conservation technology	Kit	8	3.2	36.50	33.30	34.50	37.53	(-)8.07			48642	131550	82908	2.70	47337	123390	76053	2.61
Spices & condiments																			
Fennel																			
Fennel 2022-23	IPM	Beauveria bassiana - 2.4 kg, Neem Oil -10000 ppm-1.8 lit	25	10	22.46	17.40	19.14	17.35	10.32	-	-	75959	21054 0	13458 1	2.77	76205	18217 5	10597 0	2.39
Commerci al Crops																			
Cotton										% dar	boll nage								
Cotton 2023	Integrated Pest Management	Beauveria bassiana - 2.4 kg, Neem Oil - Neem Oil -10000 ppm- 1.8 lit, Pheromone trap - 8	25	10	13.65	11.70	12.55	11.45	9.61	14.50	17.90	48998	90360	41362	1.84	51550	82440	30890	1.60
Fodder Crops																			
Sorghum																			
Fodder Sorghum 2023	Varietal Evaluation	Variety, COFS-31 - 6 kg	25	2.5	564	502	530	473	12.05	-	-	26185	84800	58615	3.24	25903	75680	49777	2.92
Pulse Crop																			
Blackgram																			
Blackgram 2023	ICM	Variety, GU 1 - 15 kg	25	10	6.80	5.80	6.30	5.60	12.50	-	-	21040	47250	26210	2.25	20044	42000	21956	2.10

Fruit crop																			
Watermelo n										Water	saving								
										Dem o	Local								
Watermelo n Summer- 2023	Use of plastic in farming practice	25 micron silver black plastic mulch	10	1	530	460	512	389	31.62	174 hrs	238 hrs	19811 7	66579 5	46767 8	3.36	16443 7	29175 0	12731 3	1.77

Frontline Demonstration on Nutri cereals

					Area		Yie	eld (q/ha)			Econo	mics of de	monstration (I	Rs./ha)		Econom (R	ics of check (s./ha)	
Crop	Thematic Area	Technology demonstrated	Variety	No. of Farmers	(ha)	Demo High Low Average Ch		% Increase in yield	Gross	Gross	NADA	BCR	Gross	Gross	NADA	BCR		
						High	High Low Average	Спеск		Cost	Return	Net Keturn	(R/C)	Cost	Return	Net Return	(R/C)	
Pearl	Varietal	Variety GHB-1129	GHB-	15	6	-	-	-	-	Failed due to one	-	-	-					
millet-	evaluation		1129							month drought at the								
2023										time of tillering								

FLD on Livestock

Category	Thematic area	Name of the technology	No. of Farmer	No.of Units	Major pa Milk pr	arameters oduction	% change	Ot para	ther meter	Econ	omics of d (Rs	lemonstra 5.)	ation	E	conomics (Rs	of check s.)	
		demonstrated		(Animal/ Poultry/ Birds, etc)	Demo	Check	in major parameter	Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Cattle																	
Buffalo								Fat	(%)								
Livestock 2023	Disease Management	Fenbendazole @ 3 gm/animal/6 months	70	70	9.30	8.40	10.71	-	-	82132	128528	46396	1.56	88843	116864	28021	1.32
Livestock 2023	Animal Nutrition Management	Chelated Mineral mixture - 3 kg	40	40	10.10	9.10	10.99	7.2	6.9	81970	135396	53426	1.65	86360	121536	35176	1.41
Livestock 2023	Feed Management	Probiotic - 600 gm	45	45	9.50	8.70	9.20	-	-	84452	120225	35773	1.42	87106	110505	23399	1.27
Livestock 2023	Feed Management	Bypass protein-500 gm	40	40	10.10	9.10	10.99	7.8	7.4	81970	135396	53426	1.65	86360	121536	35176	1.41

FLD on Fisheries

	Thomatia	Name of the	No. of	No of	Major pa	arameters	% change	Other pa	rameter	Econom	nics of der	nonstrati	on (Rs.)	E	conomic (F	s of check ts.)	2
Category	area	technology demonstrated	Farme r	units	Demons ration	Check	in major paramet er	Demons ration	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Retur n	Net Return	BCR (R/C)
Common																	
Carps																1	

FLD on Women Empowerment

Category	Name of technology	No. of demonstrations	Name of observations	Demonstration	Check
Value Addition			Durability	8 month	4 month
Druggery reduction Rabi 2022 Re wi	Aonla Candy	20	Taste	Very Good	Good
			Colour	White	Off white
			Level of druggery	Low	High
	Revolving milking stool with stand	5	Physical stress	No pain in hand, legs and muscle	More pain in hand, legs and muscle
			Work output	10 litre milk within 5 minutes	10 litre milk within 7 minutes

FLD on Farm Implements and Machinery

Name of the implement	Сгор	Technology demonstrated	No. of Farmer	Area (ha)	Major parameters	Filed ob (output/r	servation nan hour)	% change in major parameter	Labor	reduction (man days)		(Rs.	Cost redu /ha or Rs./	ction Unit etc.)	
						Demo	Check		Land preparation	Sowing	Weeding	Total	Land preparation	Labour	Irrigation	Total
Wheel hoe Rabi 2022	Fennel	Drudgery Reduction	10	-	Labour saving	6.79	16.38	(-)58.54	-	-	9.59	9.59	-	2398	-	2398
Wheel hoe Kharif-2023	Pearl millet	Drudgery Reduction	10	-	Labour saving	14.5	27	(-)46.30	-	-	12.5	12.5	-	3125	-	3125
Dibbler	Castor	Farm mechanization	20	-	Labour saving	3.3	5.6	(-)41.07	-	2.3	-	2.3	-	575	-	575
2023					Germination	95.34	94.29	1.11								
Dibbler	Cotton	Farm mechanization	28	-	Labour saving	3.6	6.7	(-) 46.27	-	3.1	-	3.1	-	775	-	775
2023					Germination	79.75	77.76	2.55								
Secutter	Castor	Farm mechanization	30	-	Labour saving	20.00	25.87	(-) 22.69		5.87 harvesting		5.87		1468	-	1468
2022-23					Drop capsule	1.03	2.3	(-) 55.21	-	-						

FLD on Other Enterprise: Kitchen Gardening

Nutrition garden components	Thematic area	Area (sq mt)	No. of Farmer	No. of Units	Yield (Kg) vegetables from KG i	- supply of , fruits, etc in the year	% change in vield	Hous (nu	ehold size 1mber)	Ec	onomics of c (Rs./	emonstrati ha)	on		Economics (Rs./h	of check 1a)	
					Demons ration	Check*	Ĩ	Demo	Check	Gross Cost	Gross Return/S avings*	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	55	55	196	-	-	-	-	1100	9800	8700	8.91	-	-	-	-

*(36% of the annual vegetables requirement fulfilled (550 kgs/5 members/year)

FLD on Demonstration details on crop hybrids

	taabnalagy	Uubrid	No. of	A 100		Yield (q/	'ha)		9/ Inoroasa	Econon	nics of demo	onstration (F	Rs./ha)
Crop	demonstrated	Variety	INU. UI Farmars	Area (ha)		Demo		Chask	⁷⁰ Increase	Gross	Gross	Net	BCR
	ucinonstrateu	variety	Farmers	(IIA)	High	Low	Average	Спеск	in yielu	Cost	Return	Return	(R/C)
Oilseed crop													
Castor (Kharif-2022)	Variety	GCH-9	5	2	40.80	34.40	38.10	35.80	6.42	65122	219.075	153953	3.36

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)

		<u></u>		F	P	articipant	ts			
Thematic area	No. of		Others			SC/ST		(Frand Tot	al
	courses	Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Weed Management	1	35	0	35	0	0	0	35	0	35
Resource Conservation Technologies	4	127	30	157	4	0	4	131	30	161
Cropping Systems										
Crop Diversification										
Integrated Farming										
Micro Irrigation/irrigation										
Seed production										
Nursery management										
Integrated Crop Management	9	248	10	258	4	0	4	252	10	262
Soil & water conservation										
Integrated nutrient management										
Production of organic inputs	3	97	13	110	3	0	3	100	13	113
Others (pl. specify)										
Total	17	507	53	560	11	0	11	518	53	571
II Horticulture										
a) Vegetable Crops										
Production of low volume 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										

Farmers' Training including sponsored training programmes (on campus)

Nursery Management										
Management of potted plants										
Export potential of ornamental										
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										
Processing and value addition										
Others (pl specify)										
Total (e)										
f) Spices										
Production and Management										
technology	1	10	0	10	0	0	0	10	0	10
Processing and value addition										
Others (pl specify)										
Total (f)	1	10	0	10	0	0	0	10	0	10
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	1	10	0	10	0	0	0	10	0	10
IV Livestock Production and										

Management	1									
Dairy Management										
Poultry Management										
Piggery Management										
Rabbit Management										
Animal Nutrition Management										
Disease Management										
East & folder technology	1	1	24	25	0	0	0	1	24	25
Production of quality animal	1	1	24	23	0	0	0	1	24	23
products										
Others (pl specify)										
Total	1	1	24	25	0	0	0	1	24	25
V Home Science/Women										
empowerment										
Household food security by kitchen										
gardening and nutrition gardening										
low/minimum cost diet										
Designing and development for										
high nutrient efficiency diet										
Minimization of nutrient loss in										
Processing and cooking										
Gender mainstreaming through										
SHGs										
Storage loss minimization										
techniques						-				
Value addition	1	0	40	40	0	0	0	0	40	40
Women empowerment										
Location specific drudgery										
Rural Crafts										
	1	1	24	25	0	0	0	1	24	25
	1	I	24	25	0	0	0	1	24	25
Others (pl specify)										
Total	2	1	64	65	0	0	0	1	64	65
VI Agril. Engineering										
Farm Machinery and its										
Installation and maintenance of										
micro irrigation systems	1	39	0	39	2	0	2	41	0	41
Use of Plastics in farming practices	1	10	0	10	0	0	0	10	0	10
Production of small tools and	2	42	8	50	0	0	0	42	8	50
implements	2	42	0	50	0	0	0	42	0	50
Repair and maintenance of farm										
Small scale processing and value										
addition										
Post Harvest Technology										
Others										
Total	4	91	8	99	2	0	2	93	8	101
VII Plant Protection										
Integrated Pest Management	2	41	0	41	17	0	17	58	0	58
Integrated Disease Management			-			-	-		-	
	i	1		I						

Bio-control of pests and diseases										
Production of bio control agents and bio pesticides	2	19	39	58	7	7	14	26	46	72
Others (pl specify)										
Total	4	60	39	99	24	7	31	84	46	130
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										
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										
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	2	97	6	103	2	1	3	99	7	106
Entrepreneurial development of	1	29	0	29	7	0	7	36	0	36

farmers/youths										
WTO and IPR issues										
Others (pl specify)										
Total	3	126	6	132	9	1	10	135	7	142
XI Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (pl specify)										
Total										
GRAND TOTAL										

Farmers' Training including sponsored training programmes (off campus)

					F	Participan	ts			
Thematic area	No. of		Others			SC/ST		(Grand Tot	al
	courses	Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Weed Management										
Resource Conservation										
Technologies									<u> </u>	
Cropping Systems										
Crop Diversification								<u> </u>	<u> </u>	
Integrated Farming								<u> </u>	<u> </u>	
Micro Irrigation/irrigation										
Seed production								ļ		
Nursery management								<u> </u>	 	<u> </u>
Integrated Crop Management	1	10	17	27	10	8	18	20	25	45
Soil & water conservation										
Integrated nutrient management	1	3	6	9	7	24	31	10	30	40
Production of organic inputs										
Others (pl specify)										
Total	2	13	23	36	17	32	49	30	55	85
II Horticulture										
a) Vegetable Crops										
Production of low volume and high										
Off-season vegetables								<u> </u>		
Nursery raising										
Exotic vegetables										
Export potential vegetables								1		
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					
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					
Processing and value addition					
Others (pl specify)					
Total (f)					
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 (nl specify)										
Tatal										
10tal										
Nanagement										
Dairy Management	2	14	45	59	0	0	0	14	45	59
Poultry Management										
Piggery Management										
Rabbit Management										
Animal Nutrition Management	3	4	70	74	0	0	0	4	70	74
Disease Management	3	20	56	76	0	2	2	20	58	78
Feed & fodder technology	4	21	87	108	0	0	0	21	87	108
Production of quality animal			0,	100	Ũ	Ũ	Ū		0,	100
products										
Others (pl specify)										
Total	12	59	258	317	0	2	2	59	260	319
V Home Science/Women										
empowerment										
gardening and nutrition gardening	4	5	110	115	0	4	4	5	114	119
low/minimum cost diet	4	15	136	151	0	0	0	15	136	151
Designing and development for	1	0	20	20	0	0	0	0	20	20
Minimization of nutrient loss in										
processing										
Processing and cooking										
Gender mainstreaming through										
SHGs	 									
Storage loss minimization techniques										
Value addition	7	0	159	159	0	13	13	0	172	172
Women empowerment										
Location specific drudgery reduction technologies										
Rural Crafts										
Women and child care										
Others (pl specify)										
Total	16	20	425	445	0	17	17	20	442	462
VI Agril. Engineering										
Farm Machinery and its	2	62	7	69	0	0	0	62	7	69
maintenance	-	02	/					02	,	
micro irrigation systems										
Use of Plastics in farming practices										

Production of small tools and implements	2	73	32	105	0	0	0	73	32	105
Repair and maintenance of farm machinery and implements										
Small scale processing and value addition										
Post Harvest Technology	2	59	6	65	1	0	1	60	6	66
Others (Soil & water conservation)										
Total	6	194	45	239	1	0	1	195	45	240
VII Plant Protection										
Integrated Pest Management	1	18	2	20	0	0	0	18	2	20
Integrated Disease Management	3	77	4	81	2	0	2	79	4	83
Bio-control of pests and diseases										
Production of bio control agents and bio pesticides										
Others (pl specify)										
Total	4	95	6	101	2	0	2	97	6	103
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										
Group dynamics	2	77	0	77	0	0	0	77	0	77
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
WTO and IPR issues										
Others (pl specify)										
Total	2	77	0	77	0	0	0	77	0	77
XI Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (pl specify)										
Total										
GRAND TOTAL	42	458	757	1215	20	51	71	478	808	1286

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

	NT 0				P	Participan	ts			
Thematic area	NO. Of COURSES		Others			SC/ST		(Frand Tot	al
	courses	Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Weed Management	1	35	0	35	0	0	0	35	0	35
Resource Conservation Technologies	4	127	30	157	4	0	4	131	30	161
Cropping Systems										
Crop Diversification										
Integrated Farming										
Micro Irrigation/irrigation										
Seed production										
Nursery management										
Integrated Crop Management	10	258	27	285	14	8	22	272	35	307
Soil & water conservation										
Integrated nutrient management	1	3	6	9	7	24	31	10	30	40
Production of organic inputs	3	97	13	110	3	0	3	100	13	113
Others (pl specify)										
Total	19	520	76	596	28	32	60	548	108	656
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	1	10	0	10	0	0	0	10	0	10
Processing and value addition										
Others (pl specify)										
Total (f)	1	10	0	10	0	0	0	10	0	10
g) Medicinal and Aromatic Plants										

Nursery management										
Production and management										
technology										
addition										
Others (pl specify)										
Total (g)										
Grand Total (a to g)	1	10	0	10	0	0	0	10	0	10
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	14	45	59	0	0	0	14	45	59
Poultry Management										
Piggery Management										
Rabbit Management										
Animal Nutrition Management	3	4	70	74	0	0	0	4	70	74
Disease Management	3	20	56	76	0	2	2	20	58	78
Feed & fodder technology	5	20	111	133	0	0	0	20	111	133
Production of quality animal				155	0		0			155
Others (pl specify)										
Total	13	60	282	342	0	2	2	60	284	344
V Home Science/Women	10		0_	0.2	Ŭ	_	_	00		5
empowerment										
Household food security by kitchen gardening and nutrition gardening	4	5	110	115	0	4	4	5	114	119
Design and development of low/minimum cost diet	4	15	136	151	0	0	0	15	136	151
Designing and development for high nutrient efficiency diet	1	0	20	20	0	0	0	0	20	20
Minimization of nutrient loss in processing										
Processing and cooking										
Gender mainstreaming through SHGs										
Storage loss minimization techniques										
Value addition	8	0	199	199	0	13	13	0	212	212
Women empowerment										

Location specific drudgery										
Rural Crafts										
Women and child care	1	1	24	25	0	0	0	1	24	25
Others (pl specify)		_			-	-	-			
Total	18	21	489	510	0	17	17	21	506	527
VI Agril Engineering	10	21	109	510	Ŭ	17	17	21	200	527
Farm Machinery and its								(0)		60
maintenance	2	62	7	69	0	0	0	62	7	69
Installation and maintenance of	1	39	0	39	2	0	2	41	0	41
micro irrigation systems	1	10	0	10	0	0	0	10	0	10
Production of small tools and	1	10	0	10	0	0	0	10	0	10
implements	4	115	40	155	0	0	0	115	40	155
Repair and maintenance of farm										
machinery and implements										
addition										
Post Harvest Technology	2	59	6	65	1	0	1	60	6	66
Others (Soil & water conservation)										
Total	10	285	53	338	3	0	3	288	53	341
VII Plant Protection										
Integrated Pest Management	3	59	2	61	17	0	17	76	2	78
Integrated Disease Management	3	77	4	81	2	0	2	79	4	83
Bio-control of pests and diseases										
Production of bio control agents and bio pesticides	2	19	39	58	7	7	14	26	46	72
Others (pl specify)										
Total	8	155	45	200	26	7	33	181	52	233
VIII Fisheries										
Integrated fish farming										
Carp breeding and hatchery management										
Carp fry and fingerling rearing										
Composite fish culture										
Hatchery management and culture										
Breeding and culture of ornamental fishes										
Portable plastic carp hatchery										
Pen culture of fish and prawn										
Shrimp farming										
Edible ovster farming										
Pearl culture										
Fish processing and value addition										
Others (pl specify)										
Total										
IX Production of Innuts at site										
Seed Production										
Planting material production										
Rio agents production										
Bio-agents production										

GRAND TOTAL	74	1254	951	2205	66	59	125	1320	1010	2330
Total										
Others (pl specify)										
Integrated Farming Systems										
Nursery management										
Production technologies										
XI Agro-forestry										
Total	5	203	6	208	9	1	10	212	7	219
Others (pl specify)										
WTO and IPR issues										<u> </u>
Entrepreneurial development of farmers/youths	1	29	0	29	7	0	7	36	0	36
Mobilization of social capital	2	97	6	103	2	1	3	99	7	10
Group dynamics Formation and Management of SHGs	2	77	0	77	0	0	0	77	0	77
Dynamics										<u> </u>
Y Canacity Building and Group		+								—
Tetel										
Others (nl specify)										┼──
		+								┣──
Mushroom Production										
fodder										
Small tools and implements										
Production of Bee-colonies and wax sheets										
Production of fry and fingerlings										
Organic manures production										
Vermi-compost production										
Bio-fertilizer production										

]	No. of	f Parti	cipants	5		
Area of training	No. of	Genera	al/ Ot	hers		SC/ST	[G	rand To	otal
	Courses	Μ	F	Т	Μ	F	Т	Μ	F	Т
Nursery Management of Horticulture crops										
Training and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming	1	3	3	6	3	9	12	6	12	18
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	1	1	24	25	0	0	0	1	24	25
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	2	4	27	31	3	9	12	7	36	43

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

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

	No. of			l	No. of	f Parti	cipants	5		
Area of training	INO. OI	Gener	al/ Ot	hers		SC/ST	Γ	G	rand To	otal
	Courses	Μ	F	Т	Μ	F	Т	Μ	F	Т
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	2	0	52	52	0	0	0	0	52	52
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	2	0	52	52	0	0	0	0	52	52

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

	N C			I	No. of	f Parti	cipants	5		
Area of training	INO. OI	Genera	al/ Ot	hers		SC/ST		G	rand To	otal
	Courses	Μ	F	Т	Μ	F	Т	Μ	F	Т
Nursery Management of Horticulture crops										
Training and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming	1	3	3	6	3	9	12	6	12	18
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	2	0	52	52	0	0	0	0	52	52
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
Production of quality animal products										
Dairying	1	1	24	25	0	0	0	1	24	25
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	4	79	83	3	9	12	7	88	95

B	No of		8(*-	No.	of P	artic	cipar	ıts		
Area of training	Courses	Gene	ral/ O	thers	S	C/S	Г	Gra	nd T	otal
	courses	Μ	F	Т	Μ	F	Т	Μ	F	Т
Productivity enhancement in field crops	3	67	61	128	0	0	0	67	61	128
Integrated Pest Management	1	30	24	54	0	0	0	30	24	54
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	1	29	0	29	0	0	0	29	0	29
Livestock feed and fodder production	4	121	0	121	0	0	0	121	0	121
Household food security	1	8	8	16	1	3	4	9	11	20
TOTAL	10	255	93	348	1	3	4	256	96	352

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

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

	No. of				No. of	Partic	ipants	1		
Area of training	Courses	Gen	eral/ O	thers		SC/ST		Gr	and To	tal
	Courses	Μ	F	Т	Μ	F	Т	Μ	F	Т
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 ()										
TOTAL	0	0	0	0	0	0	0	0	0	0

campus)										
	No. of	of No. of Participants								
Area of training	Courses	Gene	ral/ O	thers	S	C/S7	Γ	Gra	nd T	otal
	courses	М	F	Т	Μ	F	Т	Μ	F	Т
Productivity enhancement in field crops	3	67	61	128	0	0	0	67	61	128
Integrated Pest Management	1	30	24	54	0	0	0	30	24	54
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	1	29	0	29	0	0	0	29	0	29
Livestock feed and fodder production	4	121	0	121	0	0	0	121	0	121
Household food security	1	8	8	16	1	3	4	9	11	20
TOTAL	10	255	93	348	1	3	4	256	96	352

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

Sponsored training programmes

	No.				No. of ParticipantsSC/STGrand Total							
Area of training	of Co urs		Genera Others	ıl/ s		SC/ST		Grand Total				
	es	Μ	F	Т	Μ	F	Т	Μ	F	Т		
Crop production and management												
Increasing production and productivity of crops- ICM	3	116	36	152	0	0	0	116	36	152		
Commercial production of vegetables												
Production and value addition												
Fruit Plants	1	0	30	30	0	0	0	0	30	30		
Ornamental plants												
Spices crops												
Soil health and fertility management												
Production of Inputs at site	1	6	12	18	7	6	13	13	18	31		
Methods of protective cultivation												
Others (Integrated Pest management)	1	30	24	54	0	0	0	30	24	54		
Total												
Post harvest technology and value addition												
Processing and value addition												
Others (pl. specify)												
Total												
Farm machinery												
Farm machinery, tools and implements												
Others (Installation and maintenance of micro	1	20	0	30	C	0	2	41	0	41		
irrigation systems)	1	39	0	39	2	0	2	41	0	41		
Total												
Livestock and fisheries												
Livestock production and management												
Animal Nutrition Management												
Animal Disease Management												
Fisheries Nutrition												
Fisheries Management												

Others (Dairing)	1	1	24	25	0	0	0	1	24	25
Total										
Home Science										
Household nutritional security	1	8	8	16	1	3	4	9	11	20
Economic empowerment of women										
Drudgery reduction of women										
Others (Value addition)										
Total										
Agricultural Extension										
CapacityBuilding and Group Dynamics										
Others (Mobilization of social capital)	2	97	6	103	2	1	3	99	7	106
Other (Entrepreneurial development of	1	20	0	20	7	0	7	36	0	36
farmers/youths)	1	29	0	29	/	0	/	50	0	30
Total										
GRAND TOTAL	12	326	140	466	19	10	29	345	150	495

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

	No. of Courses	No. of Participants								
Area of training		General / Others			SC/ST			Grand Total		otal
		Μ	F	Т	Μ	F	Т	Μ	F	Т
Crop production and management										
Commercial floriculture										
Commercial fruit production										
Commercial vegetable production										
Integrated crop management										
Organic farming										
Others										
Total										
Post harvest technology and value addition										
Value addition	2	0	52	52	0	0	0	0	52	52
Others (pl. specify)										
Total										
Livestock and fisheries										
Dairy farming	1	1	24	25	0	0	0	1	24	25
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										
Sericulture										
Mushroom cultivation										
Nursery, grafting etc.										
Tailoring, stitching, embroidery, dying etc.										
Agril. para-workers, para-vet training										
Others (pl. specify)										
Total										
Agricultural Extension										
Capacity building and group dynamics										
Others (pl. specify)										
Total	3	1	76	77	0	0	0	1	76	77

3.5. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
Advisory Services	805	805		805
Diagnostic visits	11	47	0	47
Field Day	34	1367	0	1367
KisanGhosthi	7	493	0	493
Film Show	10	347	55	402
KisanMela	1	908	0	908
Exhibition	1	908	0	908
Ex-trainees Sammelan	2	80	0	80
Farmers' seminar/workshop	4	465	5	470
Method Demonstrations	39	1055	346	1401
Celebration of important days	4	304	25	329
Exposure visits	3	75	0	75
FLD field visit	65	825	0	825
OFT field visit	9	60	0	60
Lecture delivered	70	11792	610	12402
Farmer visit to KVK and farm	70	2836	221	3057
Soil sample analysis	201	160	0	160
Watersample analysis	40	29	0	29
Plantsample analysis	18	18	0	18
Others (Parthenium awareness week)	1	276	0	276
Total	1395	22850	1262	24112

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	21
Popular articles	
Radio Talks	
TV Talks	3
Animal health camps (Number of animals treated)	
Social Media (No. of platforms Used) Whats App, Facebook, Youtube, Twitter	4
Youtube video KVK Mehsana	22
Total	56

3.6 Online activities during year 2023

N	S. Io.	Activity Type	Mode of implementation (Video conferencing / Audio Conferencing / Facebook Live / YouTube Live/ Zoom/ Google meet/ Webexetc)	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	Name of	Quantity of the	Value (Rs)	Number
		Variety	the hybrid	seed Production(a)		Farmer
Cereal			_	rioduction(q)		
	Wheat	GW 451	-	8.95	34807	16
	Wheat	GW 496	-	6.9	22556	8
	Wheat	GW 499	-	4.0	16000	11
	Wheat	GW 513	-	7.8	29999	26
Oilseed			-			
	Mustard	GDM4	-	5.23	52300	147
Pulse	Greengram	GM 6	-	0.86	8600	13
	Blackgram	GU 1	-	1.18	14160	13
	Blackgram	GU 2	-	0.72	8640	13
	Blackgram	GU 3	-	0.08	960	10
Commercial Crop						
Vegetables						
Flower crops						
Spices						
Fodder crop seed						
Fiber crops						
Forest species						
Other		-	-			
Total				35.72	188022	257

Production of planting materials by the KVK

		Name of the	Name of		Value	Number
Crop	Name of the crop	Variety	the hybrid	Number	(Rs)	Farmer
Commercial Crop						
Vegetable seedlings	Drumstick	PKM 1	-	700	5040	4
	Drumstick	ODC 3	-	400	2800	100
	Brinjal	PUSA Uttam	-	1000	1000	100
	Tomato	S 22	-	1000	1000	100
	Chilli	PUSA Sadabahar	-	1000	1000	100
Fruits						
Ornamental plants						
Medicinal and Aromatic						
Plantation						
Spices	Fennel	GF 12	-	21500	6450	4
Tuber						
Fodder crop saplling						
Forest species						
Total				25600	17290	408
Production of Bio-Products

Bio Product	Name of the Bio Product	Quantity Kg	Value (Rs.)	No. of Farmer
Bio Fertilizers	Jeevamrut	180 ltr	360	13
Bio Pesticide	-	-	-	-
Bio Fungicide	-	-	-	-
Bio Agent	-	-	-	-
Other	Vermicompost	3924	39530	72
Vermi worm		581	145250	54
	Azolla	29	1450	21
Total		4714	186590	160

Value addition				
	Moringa leaves powder	9.45	11340	42
	Aonla Juice	3050 ltr	244100	1200

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)

A. KVK News Letter

Sr.No	Date of start	Periodicity	Number of copies distributed
1	January, 2010	Yearly (January 2023 – December 2023), 19 th volume	500

B. Literature developed/published

Item	Title	Authors name	Number
Literature			·
1	Apna Jillanu Krushi Dham	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		·
01-May-2023	Krishi Vigyan Kendra Khervana sahyogthi Palawasna ane Dediyasan khate kerimathi vividh banavat ange talim	Miss. Babita. R	Praja Shahi
19-Jul-2023	Jaruriyatmand labharthiyone shakbhaji kit vitran karai	Team	Sandesh
19-Oct-2023	Dantiwada krishi university dwara seminar yojayo	Mr. R A Kachhadia, Dr. R A Patel	Gujarat Samachar
19-Oct-2023	"Gramay samrudhdhi hetu biogasnu Amlikaran" Seminar yojayo	Mr. R A Kachhadia, Dr. R A Patel	Sandesh
19-Oct-2023	"Gramy samrudhdhi hetu biogasnu Mahatv ane amlikaran" ek divashiy seminar	Mr. R A Kachhadia, Dr. R A Patel	Mehsana news online
19-Oct-2023	"Gramay samrudhdhi hetu biogasnu Mahatv ane amlikaran" ek divashiy seminar	Mr. R A Kachhadia, Dr. R A Patel	Gurjarbhumi online news
20-Oct-2023	"Gramay samrudhdhi hetu biogasnu Mahatv ane amlikaran" Visay par ek divashiy seminar yojayo	Mr. R A Kachhadia,Dr. R A Patel	24 News Gujarat
23-Aug-2023	Workshopnu aayojan-Krishi Vigyan Kendra Kherva khate ICDS tatha krishi vigyan kendra na saunkat upkarme suposhit ane sashakt purna antargat karyakaram yojao	Team	Divya Bhaskar
08-Jan-2023	Mahesana jillamo vividh gamoma bagayatkhata dhwara khedut seminar yojayo	Shri M R Patel	Gujarat Samachar
08-Jan-2023	Mehsana jilla mo vividh gamoma bagayatkhata dhwara khedut seminar	Shri M R Patel	Divya Bhaskar
09-Feb-2023	Ganpat university ma krushi sanmelan yojayu	Team	Divya Bhaskar
09-Feb-2023	Kherva ma Krushi vigyan kendra ma yojayu prakrutik pradarshan	Team	Sandesh
09-Feb-2023	Mehsana jilla ma 12477 jetla kheduto ni 8456 akar ma prakrutik kheti	Team	Navgujarat Samay
24-Jul-2023	Kaiyal khate pashupalan talim nu ayojan	Team	Prajashahi News
17-Jul-2023	Kaiyal khate shakbhaji kit vitran ane averness talim	Team	Ankush News
31-Jul-2023	Krishi Vigyan Kendra, Ganpat university dwara tarikh 28/07/2023 na roj Vasda game millet uper vanagi spardha yojai	Team	Eletronic Media
11-Oct-2023	Conocarpus tree kyare dur karase	Dr. R A Patel	E-Paper (Online News)
25-Feb-2023	Dantiwada krishi uni ma biogas na amlikaran angena workshopma 150 khedutoe bhag lidho	Mr. R A Kachhadia, Dr.S M Soni	Sandesh

24-Feb-2023	"Gramin Samruddhi hetu Biogas nu Mahtav ane Amlikaran" Vishay par divshiy workshop yojayo"	Team	24 news
25-Feb-2023	Gramin Samruddhi hetu Biogas nu Mahtav ane Amlikaran" ek divshiy workshop yojayo	Mr. R A Kachhadia, Dr.S M Soni,TeamTeam	Mehsana news online
25-Feb-2023 Gramin Samruddhi hetu Biogas nu Mahtav ane Amlikaran" ek divshiy workshop		Team	gurjar bhoomi
News Channel			
27-Jan-2023	Cumin production information	Dr. R A Patel	GS TV
04-Feb-2023	Mustard cultivation	Dr. R A Patel	GS TV
13-Feb-2023	GSTV- Wheat cultivation	Dr. R A Patel	GS TV

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)	22

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	2080
2	Facebook page/ Account	KVKMehsana	1670
3	Mobile Apps	-	-
4	WhatsApp groups	Group -36	1339
5	Twitter Account	@KVKMEHSANA1	161
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 - 2022-23
	Patel Jayantibhai Chaturbhai
Success Story -2	CFLD -Oilseed Mustard - 2022-23
	Patel Rameshbhai Mohanbhai
Success Story -3	CFLD Pulses - Chickpea - 2022-23
	Thakor Kanuji Gandaji
Success Story -4	Scientific dairy farming- A Profitable business
	Choudhary Nayanaben Prakashbhai
Success Story -5	Mulching technology for watermelon production
	Patel Dilipbhai Amrutbhai
Success Story -6	Kitchen garden - Base of nutrition
	Patel Jadiben Kishorbhai
Case Studies 1	Water conservation technology
	Mulching taken up by the KVK Mehsana under the JSA-2023

Success Story - 1: Technology Module and success story under CFLDs Oilseeds 2022-23

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, NPK Consortia-1.25 ltr.
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	:	Quinalphos 25% EC: 20 ml / 10 liter water
(Sucking pest, i.eJassid, thrips,		Beauveria bassiana : 40 gm / 10 liter water
white fly and spodoptera, semi		Neem Oil (10000 ppm) : 30 ml / 10 liter water
looper, capsule borer)		
Disease management	:	Trichoderma, 2.5 kg/ha enriched in FYM
(Soil borne disease)		

Information about successful technological interventions under CFLDs on oilseeds:

- 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 : 938.6 mm No. of rainy days : 37

• 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.

- \checkmark Don't use recommended agronomical practices.
- ✓ Injudicious use of fertilizers.
- \checkmark No use of bio-fertilizers as well as micronutrients.
- \checkmark 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 ltr
Pesticides	Beauveria bassiana	2.4 kg,
	Quinalphos	1.25 ltr.

• 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: 02/08/2022 & 27/09/2022
- Training programme : 2 training programme, 120 Participants
- No of field visits of scientists: 7 visits, 123 participants
- Details of Field Days organized: 2 field days, 127 participants

Output

			No. of Asso		Yield (q/ha)				%
Crop Thematic Area		Variety	NO. OI	on Area	Demo		Chaoly	Increase	
-			Farmers	(IIA)	High	Low	Average	Спеск	in yield
Castor	Integrated Crop Management	GCH-8	50	20	44.10	33.28	37.68	30.20	24.77

	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
Сгор	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Castor	51414	244920	193506	4.76	56858	196300	139442	3.45

Outcome

As per performance of improved technology found that 24.77 % increase in yield and got net returns 193506 Rs./ha. Farmer got 38.77% 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 (36.80 q/ha) is (-) 2.39 %.

Doubling farmer's income through CFLDs castor

Name of KVK	Mehsana					
Title of Intervention	More yield and profit through CFLD					
Crop and Variety	Castor, GCH-8					
Name of farmer &	Patel Jayantibhai Chaturbhai					
Address	Village - Santhal, Ta - J	Jotana, Dist-Mehsana				
	M.No. : 6355613582					
	Critical inputs	Name of critical input	Quantity			
Details of technology	Seed	Variety, GCH-8	5 kg			
demonstrated	Fertilizers	Sulphur	20 kg			
	Bio fertilizer	NPK Consortia	1.25 ltr.			
	Pesticides	Beauveria bassiana	2.4 kg,			
		Quinalphos	1.25 ltr.			
Institutional	• Training					
Involvement	• Dissemination of te	chnology				
	Method demonstrat	ion				
	 Continuous field vis 	sit				
	• Organize field days					
Success Point	 Higher yield 					
	• Improved quality o	f grains				
	Effectively manage	e of pests as well as diseases	with eco-friendly approach			
Farmer Feedback	Suitability to their farm	ning system : Yes (C	iood)			
	Likings (Preference)	: Good				
	Affordability	: Good				
	Is Technology Accepta the group/Village	able to all in : Yes				
	Yield performance	: Very G	ood			
Yield (q/ha)	Domonstratio	m + 44.10				
Dotential x	Demonstratio	201 ± 44.10				
r otential y	District average	5y = 50.00				
	State average	ge : 25.41				

Performance of technology vis-à-vis Local check (Increase in productivity and returns)

Practice used	Yield (q/ha)	Gross cost (Rs/ha)	Gross income (Rs/ha)	Net income (Rs/ha)	B:C ratio
Farmer practices	30.20	56858	196300	139442	3.42
Demonstration	44.10	51414	286650	235236	5.58
% Increase	46.03	(-)9.57	46.03	68.70	

Description of the results: As per performance of improved technology found that 46.03 % increase in yield and got net returns 235236 Rs./ha. Farmer got 68.70% 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 luster of grains. Farmer also used bio-pesticides so he got good management of pests and disease as well as eco-friendly approach.

Photographs



Field visit



Field day



off campus training

Success Story - 2 :

Technology Module and success story under CFLDs on Oilseeds 2022-23

Crop	:	Mustard
Variety	:	GDM - 4
Seed rate		3.5 kg/ha
Seed Treatment	:	PSB -10 ml & Azotobactor culture – 10 ml per kg seeds
Sowing time	:	Second - Third week of October
Spacing	:	30 / 45 cm x 15 cm
Irrigation with stage	:	Four Irrigation at 21 days interval
		PSB -1.25 lit /ha
Bio fertilizer	:	Azotobactor culture - 1.25 lit /ha, NPK consortia
		N : P : K - 50:50:00 kg/ha at the time of sowing & $N : P : K - K$
Fertilizer Application	:	25:00:00 kg/ha at 35 – 40 DAS
		Sulphur-40 kg/ha
Pest Management		Yellow sticky trap 10 nos/ha
(Mustard saw fly, Aphids)	:	Beauveria bassiana : 40gm/10 liter water
		Pre-emergence weedicides Pendimethalin 2.5 lit at the time of
Weed control	:	sowing
		One interculturing and hand weeding at 15 DAS
II	:	Maturity period- 100-110 days
Harvesting		Harvesting done by cutting of plants
T • • •	:	Pulses – Mustard / Wheat
Existing cropping system		Pulses – Mustard / Wheat – Sorghum / Summer Bajara

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

Short title of the technological intervention: Low productivity of Mustard

• Farming situation :

: Rabi
: Irrigated
: Sandy loam
: N : P : K - Low : Medium : High

• Problems identified :

During PRA activity conducted by KVK in different villages of Mehsana district, we found that the following problems for low productivity of mustard in Mehsana district.

- Don't use recommended agronomical practices.
- o Use local seeds
- Injudicious use of fertilizers.
- o No use of bio-fertilizers and micronutrients as well as bio pesticides.
- Unawareness about plant protection measures.

• Technological intervention in brief

Critical inputs	Name of critical input	Quantity
Seed	Variety, GDM-4	3.5 k g
Fertilizers	Sulphur	40 kg
Bio fertilizer	NPK consortia	1.25 lit
Weed management	Pendimethalin	2.5 lit
Trap	Yellow sticky trap	10 nos
Pesticides	Beauveria bassiana	2.4 kg
	Profenophos	1.2 ltr

• Efforts made by KVK / methodology followed

- Prior to selection of FLD beneficiaries meeting/ Extension activities conducted: Group meeting -2 (63 beneficiaries)
- Date of supply of inputs: 30/09/22, 11/10/2022, 13,15/12/2022
- No.of trainings conducted and other details: 4 (112 beneficiaries)
- No. of field visits of scientists: 6 visits (131 beneficiaries)
- Details of Field Days organized: 2 (144 participants)

Output:

			No. of		Yield (q/ha)				%
Crop	Thematic Area	Variety	INO. 01	Area	Demo			Chash	Increase
			rarmers	(na)	High	Low	Average	Спеск	in yield
Mustard	Integrated Crop Management	GDM-4	50	20	23.30	17.47	19.22	16.90	13.73

	Econ	omics of dem	onstration (Rs.	/ha)	Economics of check (Rs./ha)				
Сгор	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)	
Mustard	33063	105710	72647	3.20	31671	92950	61279	2.93	

Outcome:

As per performance of improved technology found that 13.73% increase in yield and got net returns 72647 Rs./ha. Farmer got 18.55% 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 (30 q/ha) is 35.93%.

More yield and profit through CFLD

Name of KVK Title of Intervention Crop and Variety Name of farmer & Address	Mehsana More yield and profit through CFLD Mustard, GDM-4 Patel Rameshbhai Mohanbhai Village - Adivada, Ta - Becharaji, Dist-Mehsana M.No. : 9913439685				
	Critical inputs	Name of critical input	Quantity		
Details of technology	Seed	Variety, GDM-4	3.5 k g		
demonstrated	Fertilizers	Sulphur	40 kg		
	Bio fertilizer	NPK consortia	1.25 lit		
	Weed management	Pendimethalin	2.5 lit		
	Trap	Yellow sticky trap	10 nos		
	Pesticides	Beauveria bassiana	2.4 kg		
		Profenophos	1.2 ltr		
Institutional Involvement	 Training Dissemination of technology Method demonstration Continuous field visit Organize field days 				
Success Point Farmer Feedback	 Higher yield Improved quality of grains Effectively manage of pests as well as diseases with eco-friendly approach Suitability to their farming Yes (Good) 				
Turiner Tecuback	system Likings (Preference) Affordability Is Technology Acceptab all in the group/Village Yield performance	: Good : Good ble to : Yes : Very Good			
Yield (q/ha)					

Demonstration	: 23.30
Potential yield of variety/technology	: 30
District average	: 16.98
State average	: 18.08

Performance of technology vis-à-vis Local check (Increase in productivity and returns)

Practice used	Yield (q/ha)	Gross cost (Rs/ha)	Gross income (Rs/ha)	Net income (Rs/ha)	B:C ratio
Farmer practices	16.90	31671	92950	61279	2.93
Demonstration	23.30	33063	128150	95087	3.88
% Increase	37.87	4.40	37.87	55.20	

Description of the results: As per performance of improved technology found that 37.87% increase in yield and got net returns 95087 Rs./ha. Farmer got 55.20% 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 luster of grains. Farmer also used bio-pesticides so he got good management of pests and disease as well as eco-friendly approach.

Photographs



Field visit



Field day



Training

Success Story-3 Technology module and success story under CFLDs on Pulses - 2022-23

Сгор	:	Chickpea		
Variety	:	GJG-5		
Seed rate	:	60 kg/ha		
Seed Treatment	:	Carbendazim 50% WP-3 gm/1kg seeds for soil borne disease		
Sowing time	:	Second week of October		
Spacing	:	30/45 cm x 15 cm		
Irrigation with stage	:	Irrigated, 3-4 Irrigation		
Bio fartilizar		PSB ,1.25 lit /ha , Rhizobium culture, 1.25 lit /ha, NPK		
Bio iertilizer	•	consortia-1.25 ltr.		
Fertilizer Application	•	N : P : S - 10:30:20 kg/ha		
Pest Management (pod borer)	:	HNPV- 450 LE, Spray of 5% Neem oil		
Weed control	:	One inter culturing and two hand weeding		
Harvesting		Maturity period- 98-100 days		
		Harvesting done by cutting of plants		
Existing cropping system	:	Chickpea		

Technology Module under CFLD on Pulses 2022-23

Information about successful technological interventions under CFLDs on pulses:

- Short title of the technological intervention : Low productivity of Chickpea
- Farming situation Season · Rabi

. 1001
: Irrigated
: Sandy loam and Black soil
: $N : P : K: S - Low : Medium : High : Low$

• Problems identified

During PRA activity conducted by KVK in different villages of Mehsana district, we found that the following problems for low productivity of chickpea in Mehsana district.

- 1) False sowing method.
- 2) Injudicious use of fertilizers.
- 3) No use of bio-fertilizers as well as micronutrients.
- 4) Lack of knowledge about pests and diseases identification.
- 5) False method and inadequate dose of weedicides and pesticides use

• Technological intervention in brief

Critical inputs	Name of critical input	Quantity
Seeds - Chickpea	Variety : GJG-5	60 kg
Fertilizers (Organic and inorganic)	NPK Consortia	1.25 ltr
Micronutrient	Sulphur	20 kg
Bio-products	H-lure	20 nos
	Pheromone trap	10 nos
Pest Management	Beauveria bassiana	2.4 kg
	Profenophos	2.4 ltr

Efforts made by KVK / methodology followed

 \circ Two times farmers meeting were conducted to analyze the technology gap and to get information on soil, water and other conditions.

• Farmers training were conducted before conducting demonstration.

• Various follow-ups programme like Field visit, diagnosis service, telephonic guidance were provided to farmers

• Field day was conducted on farmer's field just before harvesting of chickpea and got

Feedback from farmers.

• Prior to selection of FLD beneficiaries meeting / Extension activities conducted: Group meeting -2 (30 beneficiaries)

- Date of supply of inputs : 17 October, 14 December, 2022
- No. of trainings conducted and other details : 2 (59 beneficiaries)
- No. of field visits of scientists : 8 visits (83 beneficiaries)
- Details of Field Days organized 2, 109 participants

Output

			No. of	Aroo	Yield (q/ha)				%
Crop	Thematic Area	Variety	Formors	Alta (ha)	Demo			Chark	Increase
			raimers	(11 <i>a)</i>	High	Low	Average	CIECK	in yield
Chickpea	Integrated Crop	GIG-5	25	10	12/18	8 85	10.82	8.6	25.81
(Irrigated)	Management	0,0-3	23	10	12.40	0.05	10.02	0.0	23.01

	Econ	omics of de	monstration (Rs.	Economics of check (Rs./ha)				
Сгор	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Chickpea (Irrigated)	28611	67920	39310	2.37	28580	48580	20000	1.70

• Outcome:

As per performance of improved technology found that 25.81 % increase in yield and got net returns 39310 Rs./ha. Farmer got 96.55% more Net profit over local. Fertilizer applied as per Soil Health Card (SHC) so, reduction in cost of chemical fertilizer. Farmer used biofertilizer 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 as well as it was eco-friendly approach

• Impact of the intervention :

We have summarised the demonstrated technology, found that yield gap percentage between demonstration yield and potential yield (33.92 q/ha) is 68.10%.

Doubling Farmer income through CFLD

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CFLD Pulses - Chickpea – 2022-23 Season : Rabi

Name of KVK	Mehsana						
Title of Intervention	Doubling Farmer income th	rough CFLD					
Crop and Variety	Chickpea, GJG-5		(And)				
Name of farmer & Address	Thakor Kanuji GandajiVillage - Vadosan, TalMehsanaDist- Mehsana,Mobile No. 9374999621						
Details of technology demonstrated	Critical inputs	Name of critical	Quantity				
	Seeds - Chickpea	Variety · GIG-5	60 kg				
	Fertilizers (Organic and inorganic)	NPK Consortia	1.25 ltr				
	Micronutrient	Sulphur	20 kg				
	Bio-products	H-lure	20 nos				
		Pheromone trap	10 nos				
	Pest Management	Beauveria bassiana	2.4 kg				
		Profenophos	2.4 ltr				
Success Point	 Farmers training were of Farmers training were of Various follow-ups proguidance were provided Field day was conduct and got feedback from GJG-5 variety of chick for Gujarat. Market value of this va Use of Pheromone tr management of pod box 	 to get information on soil, water and other conditions. Farmers training were conducted before conducting demonstration. Various follow-ups programme like Field visit, diagnosis service, telephonic guidance were provided to farmers Field day was conducted on farmer's field just before harvesting of chickpea and got feedback from farmers. GJG-5 variety of chickpea is bold seeded, recommended by JAU, Junagadh for Gujarat. Market value of this variety also found high. Use of Pheromone tranger H lure Beauveria bassiana and profenonhos for 					
Farmer Feedback	 Variety GIG-5 is high 	vielding					
Turmer Teeuback	variety 030-3 is night yielding						
	 Oranis lustre is good Pheromone trap& H lu effectively 	re, Beauveria bassiana, p	rofenophos manage pod borer				
Yield (q/ha)							
Demonstration	1 : 12.48						
Potential yield of variety/technology	: 33.92						
District average	: 12.85						
State average	: 12.85						

Practice used	Yield (q/ha)	Gross cost (Rs/ha)	Gross income (Rs/ha)	Net income (Rs/ha)	B:C ratio
Farmer practices	8.6	28580	48580	20000	1.7
Demonstration	12.48	28611	77880	49269	2.72
% Increase	45.12	0.11	60.31	146.35	

Performance of technology vis-à-vis Local check (Increase in productivity and returns)

Description of the results: As per performance of improved technology found that 45.12 % increase in yield and got net returns 49269 Rs./ha. Farmer got 146.35% 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 luster of grains. Farmer also used bio-pesticides so he got good management of pests and disease as well as eco-friendly approach

Photographs



FLD Field visit



Field day



Off campus Meeting

Success story -4 : Scientific dairy farming- A Profitable business

Name	:	Choudhary Nayanaben Prakashbhai
Address	:	At and Post: Fatehpura, Ta.Kheralu, Dist: Mehsana
Pincode	:	384325
Mobile no.	:	9824572076, 9408833576
Age	:	42 year
Education	:	8 pass
Size of land	:	1.20 ha
holding		



Situation analysis / Problem statement :Choudhary Nayanaben Prakashbhairesiding at village Fatehpura which is 64 km away from KVK Mehsana. She is 42 years old and studied upto 8th standard. She is in business of animal husbandry since 14 years started with 4 HF cows. Her family members depend on agriculture and animal husbandry. She has not proper knowledge about feeding, breeding and vaccination so she was not fully satisfied with earning from her business.

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

Output: After attending various training programme on scientific dairy farming at KVK she decided to introduce high milk yielding HF cows in his farm and till date she has 33 HF cows and two buffaloes. We had frequently visited her farm and gave her valuable suggestion to improve dairy farming and motivate for purchasing chaff cutter and milking machine. She purchased chaff cutter and started routine use of chaffing of green and dry fodder. She also purchased milking machine and started milking of animals with milking machine regularly. She also renovates her cattle farm with scientific design. She also used chelated mineral mixture and deworming agent in cows to improve health.

Outcome: After attending varous training programme at KVK she got good profit in her dairy business by overcoming the problems. In current year- 2023, total 97058 liter milk production from HF Cows. She got total Rs.10, 50,000 profits from dairy business.

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

Photographs:



Training and FLD



Cattle farm visit

Success story - 5 : Mulching technology for Watermelon Production

Name	:	Patel Dilipbhai Amrutbhai
Address	:	Village: Bamanva, Tal. : Vijapur
		Dist. : Mehsana
Pincode	:	384355
Mobile no.	:	9428730012
Age	:	35
Education	:	BRS
Size of land holding	:	3 ha



He was participated in training programme on "Use of plastic mulch film practices on watermelon crop" at Krishi Vigyan Kendra in the year 2023. He was fully convinced to start cultivation of watermelon with adoption of drip irrigation and plastic mulch film. First year, he produced 48.21 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
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 persentage of fruits is very good Getting higher qualitative fruit yield Silver-black plastic mulch film, 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	COC (Rs/ha)	Gross Income	Net return	B:C ratio
	(kg/ha)		(Rs/ha)	(Rs/ha)	
Mulch Plot	48218	190107	530398	340291	2.78
Local Plot	37860	163575	283950	120375	1.73
% increase	27.35	16.22	86.79	182.69	

Outcome:

As per performance of improved technology found that 27.35% increase in yield and got net returns 340291 Rs/ha. Farmer got 182.69% 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



Field day



Retails sales of fruits by farmers



Off campus training

Success story 6. : Kitchen garden - Base of nutrition

Name			:	Patel JadibenKishorbhai	
Address			:	Village-Venpura,	
			Block-Becharaji, Dist-Mehsana		
Pincode			:	384210	
Mobile n	0.		:	9727533204	
Age			:	55	
Size o holding	of	land	:	1.3 ha.	



Situation analysis / Problem statement:

Patel Jadiben 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 55 years old and having 1.3 ha. land available for farming. 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 100 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 320 Kgs during the year 2022-23 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 14,400 Rs. per year and 220 days vegetable requirement fulfill from her kitchen garden

Photographs:









Case Studies 1: Water conservation technology -

Mulching taken up by the KVK Mehsana under the JSA-2023

1. Introduction

Mahesana district occupies 4371 sq. km. area between 23°00' and 24°09' north latitudes and 71°26' and 72°51' east longitudes in the northern part of Gujarat state. It falls in the survey of India degree sheet numbers 45D and 46A. It is bounded by Banaskantha and Patan in north, Patan and Surendranagar in west, Ahmedabad and Gandhinagar in south and by Sabarkantha in east. It has ten talukas, having 614 villages. Total population of the district as per 2011 census is 20,27,727. Rivers Rupen and Khari drain part of the district. Both these rivers are ephemeral in nature and flow only during good monsoon years. The river Sabarmati forms the eastern boundary of the district with very limited catchment area in the district. Major part of the area in the district is devoid of any drainage network and does not fall in any catchment. The surface water resources of the district are very limited. Groundwater is the main source of irrigation, about 93% of the area is irrigated by groundwater.

2. Genesis

Awareness and training activity about efficient use of water, ground water recharge and use of mulching technology in farming practice.

Sr No.	Particulars	No of programme	Area (ha)	Male	Female	Total
1	Training	10	_	288	53	341
2	Awareness Programme	70	_	200	842	3057
3	Kisan Mela	1	-	502	406	908
4	Front line Demonstration	10	4	10	0	10
	(Water conservation)					
5	Water Harvesting	2	-	2	0	2
	structure developed					
6	MIS Adoption	-	2087	-	-	2087
7	Tree Plantation (No.)	1	-	-	-	1205
8	Seedling distribution	1	-	-	-	300
	(No.)					
9	Seed packet Distribution	1	-	-	-	100
10	Celebration of World	1	-	77	-	77
	Enviornment Day					

3. Scope of Work

Before implementation of water conservation activity we taken information regarding soil type, cropping pattern throughout the year, type of water source use for irrigation and method of irrigation as well water table of the different villages of Mehsana district.

Majority farmers of the district use flood irrigation method through tubewell/well. Due to deep water table of mehsana district, Declining Groundwater levels Increasing depth of tubewells Increasing instances of high fluoride Groundwater contamination. Awareness amongst villagers on



Flood irrigation in cotton

water conservation techniques and Demand and supply of water management.

4. Background Information

Location and area covered :

Block	Village
Vijapur	Ranshipur, Malav, Techava
Vadnagar	Kahipur, Khatoda
Visnagar	Kansarakui, Saduthla, Ganeshpura (Kansa)
Mehsana	Buttapaldi
Kheralu	Dedasan

5. Method of implemention:

Technology used : Drip irrigation, Organic Mulching, Plastic Mulch, land preparation with deep ploughing

Due to lack of ground water quality as well as deep water table of Mehsana district. KVK Mehsana conduct various training/awareness programme regarding adoption of MIS technology for efficient use of water in agriculture, use of various water conservation practices like land preparation through deep ploughing, use of sub-soiler, Alternate furrow irrigation, use of organic Manure for improving soil fertility, use of organic and plastic mulch film technology for water conservation.

Experts Involve :

- 1. Mr Ravi A. Kachhadia
- 2. Mr. B.K.Patel

6. Impact Assessment :

Adoption of drip and Plastic mulching technology in watermelon crop increase yield of watermelon 12315 kg/ha with reducing irrigation hour up to 64(water saving 26.89%) and pesticide cost up to 5900Rs/ha. as compare to farmer practices

Technology Assessed	Source of Technology	Drip Irrigation (Hour) (flow rate 2 lit/hour)	Production (kg/ha)	Net Return (Rs/ha)	BC Ratio
Without mulch	Farmer practices	238	38900	127313	1.77
25 microns plastic mulch 5550 meter/ha	JAU (2015)	174	51215	467678	3.36

Water conservation technology



Use of drip technology in watermelon



Drip irrigation in cotton



Adoption of MIS technology

Technology demonstrated for water conservation



Surface water recharge through well



Preparation of organic manuring for soil fertility and improve WHC



Land prepare through deep ploughing



Alternate furrow irrigation



Tree plantation



Micro forest site before plantation

7. Outcome and community mobilization

 Image: Window Strategy St

Use of sub soiler



Use of plastic mulch in water melon



Seeds and seedling distribution



Micro forest site after two year

- Total 1205 tree plantation, 300 seedling and 100 seeds packet distributed among the farmers of Mehsana district
- Total 2179 farmers of Mehsana District benefited with adoption of MIS technology with covered 2087 ha land of Mehsana district

- 2 farmers adopt water harvesting structure technology
- 10 farmers of Mehsana District benefited through FLD Mulching technology
- Total 2717 farmers and 1248 farmwomen participated in training /awareness/Kisan mela

8. Conclusion:

Intervention through deep ploughing adoption of drip irrigation and use of mulching technology in watermelon increase yield up to 31.65 % with water saving up to 26.89% and reducing cost of pesticide up to 37.97% and increase net return up to 467678Rs/ha with adoption of improving scientific technology.

- 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	\checkmark Use of Alovera, turmeric and lime	for mastitis
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) -Saduthala, Visnagar
- b) No. of farm families selected per village : 25
- c) No. of survey/PRA conducted : 2
- 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,	Technical backstopping
	Sardarkrushinagar	
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

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	1	
		SAC Meeting		1	
02	Research projects				
03	Training programmes	Collaborative training programme	5	2	
04	Demonstrations				
05	Extension Programmes				
	KisanMela		1		
	Pak Parisanvad	Pak Parisanvad	2		
	Exposure visit				
	Exhibition			1	
	Soil health camps				
	E Krishipath	E magazine			
	Animal Health				
	Campaigns				
	Kisan Gosthi	Kisan gosthi organized by ATMA	7		
	Lecture delivered	Training and FFS	3		
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
I		_	-	-	-

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	43000	72000	

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	26.89 % water saving, 31.62% yield increased
2	Lime:	
2	Lime harvester (JAU Recomonded)	81.72 % Reduction in dropping fruit
5	Wheat late sown variety GW-499	11.95 % test weight increased
4		17.08 % production increased
4	Blackgram - New Variety GU-4	High yielding variety (6.35% higher yield)
		6.52 % test weight increased
5	Wheat GW-451 - 125 kg/ha	High yielding variety (16.62 % higher yield)
		Good for chapatti
		lodging resistant variety
6	Fennel : Beauveria bassiana-2.4 kg, Neem Oil -	Bio-pesticides effectively managed sucking pest
	10000 ppm-1.8 lit	Qualitative production
7	Castor Castor Seeds GCH-8 : 4 kg, Sulphur- 20	Variety GCH-8 is high yielding(24.77%Higher yield) and
	Azotobactor culture - 1.25 lit. Reauveria bassiana -	Effectively manage of rootrot Beauveria bassiana
	2.4 kg,Profenophos - 1 lit.	Manage sucking pest, manage castor hairrycatter pillar
8	Mustard Seed GDM-4 - 3.5 kg, Sulphur-40 kg,	Variety GDM-4 is high yielding(13.73 % higher yield),
	PSB Culture-1.25 lit, Azotobactor-1.25	Sulphur- increase yield, Yellow sticky trap, Beauveria
	lit,Beauveria bassiana-2.5 kg, Neem Oil(10000	bassiana and Neem oil manage aphids effectively and
	PPM)-1.8 lit,Sticky trap-10 nos, Pendimethalin-2.5	increased bio agent population
	lit	
0	Disakaran Saad CU 1 20 kg Sulahur 20 kg	Mariata CH 1 is and an that and d(12,500/ History
9	Blackgram Seed GU I - 20 kg, Sulphur - 20 kg,	Variety, GU-1 is good and bold seeded (12.50% Higher
	Penumentalini -2.5 III, NPK consoluta - 1.25, Penumeria bassiana - 2.4 k.g. Noom ail (10000	
	DDM) 1.8 ltr	Application of sulphur increased yield
	11 ivi)- 1.0 iu	Beauveria bassiana and neem oil- manage pests
10	Cotton (IPM)	Bio-pesticides effectively manage sucking pest and pink
	Beauveria bassiana 2.4 kg/ha, Neem Oil 30 ml/10	bollwarm (14.50 % reduction in boll damage)
	ltr. water, Pheromone trap 8 to 10/ha.	Environmentally safety approach
11		
12	Use of soap permethrin 5% + cetrimide 1% +	35% decrease Ectoparasite
	Aloevera (1%) apply and massage the leather on	
12	every part of body and wash after 1 hour	
13	Fodder Sorghum - Variety, COFS-31- 1 kg	12.05% more green fodder yield
14	Fendendazole (a) 3 gm/animal/6 month	Effectively manage worm infestation
1.5	2	No adverse effect in pregnancy
15	Bypass protein	Increase 10.99 % milk production
		Increase 5.12 % fat
16	Chelated Mineral mixture - 3 kg	Increase 10.99 % milk production
		Increase 4.28 fat percent
17	Probiotic 1 kg	Increase 9.20 % milk production
18	Wheelhoe	Labour and time saving (46.30%)
		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	
		Time and money saving	
21	Dibbler (Cotton and Castor)	Easy for sowing without bending movement of body	
		Excellent germination	
		Saving of seeds cost	
		Time saving	
22	Mango squash	Farm women are aware about preservative	
		Durability of squash is increase	
		Value addition gives higher value of products	

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 Wee	ek celebrationduring 2022, Yes/No, If Yes	:	No	
Period of observing Technology Week: From : to				
Total number of farmers visited				
Total number of agencies involved :				
Number of demonstr	ations visited by the farmers within KVK campus	:		

Other Details

Types of Activities	No. of Activities	Number of Farmers	Related crop/livestock technology
Gosthies	-	-	-
Lectures organized	-	-	-
Exhibition	-	-	_
Film show	-	-	-
Fair	-	-	-
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	te Crops/cultivars		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

Value addition

Natural farming

Micro Irrigation Technician

Post harvest technology

A. Impact of KVK activities (Not to be restricted for reporting period).							
Name of specific technology/skill	No. of	% of adoption	Change in income (Rs.)				
transferred	participants		Before (Rs./year)	Afte			
				(Rs./ye			
Seed production	40	10.8	-	1600			
Vermicompost production	20	70	-	1000			
Agriculture extension service provider	20	50	-	5500			

20

116

20

58

40

30.17

35

18.97

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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	Horizontal spread of technology			
				methods suggested to the Extension system	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, Trichoderma- 2.5 kg., PSB culture-1.25 lit, Azotobactor culture - 1.25 lit, Beauveria bassiana -2.4 kg,	Training, CFLD, SMS, Field day, Krushi Mela, Diagnosis visit, Group meeting, Telephonic guidance, Mobile conference	275	2200	650	
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, CFLD, SMS, Field day, Krushi Mela, Diagnosis visit, Group meeting, Telephonic guidance, Method demonstration	350	5000	2200	
1.3	Groundnut	ICM	Sulphur- 20 kg, Metarizium-5 kg, Trichoderma- 2.5 kg.,PSB culture-1.25 lit, Rhizobium culture - 1.25 lit, Beauveria bassiana -2.4 kg, HNPV-	Training, CFLD, SMS, Field day, Krushi Mela, Diagnosis visit, Group meeting, Telephonic	120	2100	1100	

After (Rs./year) 16000 10000 55000

4000

13000

18500

2000

-

-

-

-
			450 LE, SNPV 250 LE, Neem Oil (10000 ppm)-1.8 ltr.,Imazethapyr -750 gm	guidance, Method demonstration			
2	Pulses	I		I		I	I
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, CFLD, SMS, Field day, Krushi Mela, Diagnosis visit, Group meeting, Telephonic guidance	72	1600	550
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, CFLD, SMS, Field day, Krushi Mela, Diagnosis visit, Group meeting, Telephonic guidance, Mobile conference, Method demonstration	32	430	220
3	Other						
3.1	Fennel	Varietal Evaluation	High yielding variety GF- 12	Training, Krushi Mela, Telephonic guidance, Diagnosis visit, SMS , FLD	275	4200	1650
3.2	Wheat	IPM	Seed treatment of Fipronil/ Chorpyriphos @ 5 ml /kg seed	Training, Krushi Mela, Telephonic guidance, Diagnosis visit, SMS, FLD	400	1200	5100
3.3	Wheat	Varietal Evaluation	GW-451 @ 125 kg/ha and timely sowing	Training, Field day, Krushi Mela, Telephonic guidance, Diagnosis visit, FLD,SMS	270	5500	2100
3.4	Cumin	IDM	Propineb 70 % WP - 30 gms / 10 lit. water, Seed treatment of Mencozeb 5 gm/ kg seed	Training, Field day, Krushi Mela, Telephonic guidance,	20	600	200

				Diagnosis visit, FLD,SMS			
3.5	Micro Irrigation system	Micro Irrigation system	Drip Irrigation	Training, Method demonstration, Group meeting	210	850	625
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, FLD,SMS	45	1500	1000
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	400	5000	4000
3.8	Wheat	Weed management	Post emergence weedicides Metsulfuron Methyl	Training	400	5500	6000
3.9	Farm Implements	Small tools and implements	Wheelhoe	Training, FLD , Method demonstration, Field day	155	2550	-
3.10	Farm Implements	Farm machinery and its maintenance	Seed cum fertilizer drill	Training, Method demonstration, Field day	150	5700	-
3.11	Farm Implements	Farm machinery and its maintenance	Rotavator	Training, Method demonstration	300	13500	-
3.12	Livestock	Feed management	Chelaetd Mineral mixture	Training, FLD, Field day	275	8500	-
3.13	Livestock	Feed management	Probiotic	Training, FLD, Field day	80	1600	-
3.14	Livestock	Disease management	Fenbendazole	Training, FLD	280	6000	-
3.15	Home Science	Value addition	Aonla product	Method demonstration & training	90	1200	-
3.16	Home Science	Household food security	Kitchen garden	Training, FLD, Field day, Field	170	1350	-

				visit									
	4 Cash Crops												
4.1	Cotton	IPM	Pheromone trap-8 no/ ha,	Training, Field	230	3100	1250						
			Beauveria bassiana - 2.4	day, Krushi									
			kg, Neem Oil -10000 ppm-	Mela,									
			1.8 lit	Telephonic									
				guidance,									
				Diagnosis visit,									
				FLD,SMS									

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

Table: 1 A	Adoption of the latest technologies by the farmers	(n =40)	
Sr. No.	Technology	Frequency	Adoption (%)
1	Scientific cultivation of major crops	27	67.5
2	Fodder production	23	57.5
3	Soil fertility management	21	52.5
4	Seed production technologies	13	32.5
5	Micro Irrigation System	16	40.0
6	Weed management	28	70.0
7	Soil and water conservation	20	50.0
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	28	70.0
12	Production technology of Tuber crops	20	50.0
13	Enterprenureship development of farmers	14	35.0
14	Integrated Pest Management	29	72.5
15	Integrated Disease Management	27	67.5
16	Bio control of pests and disease	23	57.5
17	Post harvest technology	18	40.0
18	Dairy management	22	55.0
19	Disease management in animal	27	67.5
20	Feed management in animal	29	72.5
21	Small tools and implements	21	52.5
22	Production of organic inputs	26	65.0
23	Natural farming	12	30.0
	Overall adoption	56.6	0%

Table 2:	Adoption of the latest technologies by the farmwomen	(n = 40)			
Sr.	Technology	Frequency	Adoption		
No.			(%)		
1	Income generating activities	16	40.0		
2	Value addition	23	57.5		
3	Women and child care	28	70.0		
4	Adoption of low cost high nutrient diet	22	55.0		
5	Kitchen gardening	29	72.5		

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	19	48.5
13	Post harvest technology	18	45.0
14	Disease management	26	65.0
	Overall adoption	58.70	%

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 2023	1	20810	48
February 2023	1	20810	28
March 2023	1	20810	40
April 2023	1	20810	45
May 2023	2	41636	59
June 2023	1	21674	69
July 2023	1	21674	45
August 2023	2	24608	41
September 2023	-	-	5
October 2023	3	65016	87
November 2023	3	65016	32
December 2023	2	43346	37
Total	18	366210	536

		Type of Messages								
Name of KVK	Message Type	Crop	Livestock	Weather	Marke- ting	Aware- ness	Other enterprise	Total		
	Text only	14	2			1	1	18		
Mehsana	Voice only									
	Voice & Text both									
	Total Messages	14	2			1	1	18		
	Total farmers benefitted	300830	41620			2934	20826	366210		

15. PERFORMANCE OF INFRASTRUCTURE IN KVK A. Performance of Demonstration units (other than instructional farm)

Sl.	Demo Unit	Year of establishment	Area	D	etails of product	Amou			
No.			Sq M	Variety	Produce	Qty.(kg)	Cost of inputs	Gross income	Remarks
1	Azolla	2016	40	Azolla piñata	Seed	29	-	1450	
2	Aonla juice	-	-	-	Commercial	3050		244100	
3	Moringa leaves poweder	2020	-	-	Commercial	9.45	-	11340	

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

				Details of production			Amount (Rs.)		
Name of the crop	Date of sowing	Date of harvest	Area (ha	Variety	Type of Produce	Qty. (Kg)	Cost of Inputs	Gross Income	Rema rks
Cereals									
Pearl millet	18/03/2023	25/05/2023	0.24	86-M-22	Commercial	1200	6600	26400	
Wheat	Rabi-2022		0.30	GW 496	Seed	690		22556	
Wheat	Rabi-2022		0.40	GW 451	Seed	855		34806	
Wheat	Rabi-2022		0.15	GW 499	Seed	400		16000	
Wheat	Rabi-2022		0.30	GW 513	Seed	780		29998	
Wheat	17/11/2023		0.30	GW 496	Seed				Stand ing
Wheat	16/11/2023		0.40	GW 451	Seed				Stand ing
Wheat	05/12/2023		0.15	GW 499	Seed				Stand ing
Wheat	22/11/2023		0.30	GW 513	Seed				Stand ing
Pulses									
Blackgram	30/06/2023	14/10/2023	0.30	GU 2	Seed	124		6000	
Blackgram	30/06/2023	13/10/2023	0.30	GU 2	Seed	101		6500	Prakr utik
Blackgram	03/07/2023	10/10/2023	0.30	GU 4	Seed	124		6000	
Greengram	30/06/2023	01/10/2023	0.30	GM 6	Seed	97		8600	prakr utik
Ekkad	06/06/2023	01/08/2023	1.50	Local	Green manuring				
Oilseeds									
Mustard	Rabi-2022		0.30	GDM 4	Seed	523		52300	
Mustard	12/10/2023		0.25	GDM 4	Seed				Stand ing
Castor	Kharif -2022		0.60	GCH 8	Commercial	1268		76525	
Castor	14/08/2023		1.10	GCH 8	Commercial				Stand ing
Spices									
Fibers									

Cotton	Kharif- 2023	0.40	Jay Bt.	Commercial	258	22074	
Cotton	09/06/2023	0.40	Jay Bt.	Commercial			Stand ing
Floriculture							
Fruits							
Aonla	2004	3.20	NA-7	Contract		972000	
Chiku	2008	0.60	Kali Patti	Contract		79000	
Drum stick	2016	0.30	PKM-1				
Mango	2020	0.30	Kesar				
Lime	2019	0.25	Kagzi Lime				
Vegetables							

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

SI	Bio Products		Otv	Am	ount (Rs.)		
No.		Name of the Product	(kg/lit)	Cost of inputs	Gross income	Remarks	
1	Bio- Fertilizers	Vermicompost	3924	-	39530	-	
		Jivamrut	180	-	360		
2	Bio- Fungicides						
3	Bio- pesticides						
4	Bio-Agents	Earth worm (Perionyx sillensis)	581	-	145250	-	

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

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

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-23	69	323	
Feb-23	2	2	
Mar-23	168	422	
Apr-23	23	140	
May-23	110	325	
Jun-23	82	188	
Jul-23	112	232	
Aug-23	33	80	
Sep-23	69	3303	
Oct-23	1	14	
Nov-23	5	6	
Dec-23	13	43	
Total	687	5078	

F. Database management

S. No	Database target	Database created
1	-	21673

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

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

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	Component of Nutritional	No. of species / plants in nutritional	No. of farmers visited
garden (ha)	Garden	garden	
0.06	Vegetable crops	Kharif -12, Rabi-12	
	Fruit crops	7 (No of plant - 11)	3057
	Others if any	5	

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

		8	/
No. of Villages	Component of Nutritional	No. of species / plants in	No. of farmers covered
covered	Garden	nutritional garden	
4	Vegetable crops	12	55
4	Others - Drumstick	1	55

H. Details of Skill Development Trainings organized

	Name of			No. of participants					
S.No.	KVKs/SAUs/ICAR	Name of QP/Job role	Duration (hrs)	SCs/	STs	Otł	ners	То	tal
	Institutes			Μ	F	Μ	F	Μ	F
1	KVK, Mehsana	Small Dairy Farmer	210	-	-	1	24	1	24

16.FINANCIAL PERFORMANCE

A. Details of KVK Bank accounts

Bank	Name of the bank	Location	Branch	Account	Account	MICR	IFSC Number
account			code	Name	Number	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 2022-23 (Rs. in lakh) (Till March, 2023)

S. No.	Particulars	Sanctioned	Released	Expenditure
A. Rec	urring Contingencies			
1	Pay & Allowances	203.50	203.50	199.70
	TOTAL(1)	203.50	203.50	199.70
2	Contingencies			
A	TA(DOMESTIC)	1.27	1.27	1.27
В	Res & Operational Exp	3.02	3.02	3.02
С	Admin Expenses	2.32	2.32	2.32
D	GIA-General(Contingencies)	0.75	0.75	0.75
	TOTAL(2)	7.36	7.36	7.36
	TOTAL(A) =TOTAL(1)+ TOTAL(2))	210.86	210.86	207.06
B. Non	-Recurring Contingencies			
1	Works	0.00	0.00	0.00
2	Equipments including SWTL & Furniture	0.00	0.00	0.00
3	Vehicle (Four wheeler/Two wheeler, please specify)	0.00	0.00	0.00
4	Library (Purchase of assets like books & journals)	0.00	0.00	0.00
TOTA	L (B)	0.00	0.00	0.00
C. REV	VOLVING FUND	0.00	0.00	0.00
GRAN	D TOTAL (A+B+C)	210.86	210.86	207.06

Financial status of other Programme Financial year 2022-23 (Rs. in lakh)

Sr.No	Items/Head	Sanctioned Grant	Opening Balance	Release	Expenditure	Closing Balance
1	Out Scaling Through Natural Farming	2.66	0.00	2.66	2.66	0.00
2	Swachhta Action Plan	0.24	0.00	0.24	0.24	0.00
3	CFLD-OILSEED	4.60	-0.35	1.87	2.84	-1.32
4	CFLD-Pulses	1.80	-0.53	0.34	1.42	-1.61
5	Skill Dev. Programm-Small Dairy Farmer	2.87	0.06	2.81	2.87	0.00
6	Kisan Bhagidari Prathamikata Hamari	0.98	0.00	0.98	0.98	0.00

Year	Opening balance as on 1 st April	Income during the year	Expenditure during the year	Net balance in hand as on 1 st April of each year
April 2018 to March 2019	21.66	8.36	6.37	23.65
April 2019 to March 2020	23.65	8.35	5.84	26.16
April 2020 to March 2021	26.16	12.12	6.77	31.51
April 2021 to March- 2022	31.51	10.42	4.60	37.33
April-2022 to March- 2023	37.33	14.20	7.43	44.10
April-2023 to December-2023	44.10	15.75	2.05	57.80

C. Status of revolving fund for the Four years (Rs. in lakh)

Name of the staff	Designation	Title of the training programme	Institute where attended	Mode (Online / Offline)	Dates
Dr. R A Patel	Senior Scientist and Head	Workshop on natural farming and millets, innogration of ATARI, Pune building	ATARI, PUNE	Offline	19-01-2023
Shri B K Patel , Mr. R A Kachhadia	SMSs	Millets : Nutricereals, Value addition and Improved package of practices	S D A U, S K Nagar & NABARD	Offline	10-03-2023
Dr. R A Patel , Shri M R Patel, Miss. Babita. R.	Senior Scientist and Head, SMSs	Techanological backstoping workshop (Convergence)	S D A U, S K Nagar	Offline	20-03-2023
Dr. R A Patel, Shri B K Patel, Shri M R Patel, Mr. R A Kachhadia	Senior Scientist and Head, SMSs	Techanologycal backstopping - Seed spice crop	S D A U, S K Nagar	Offline	11-05-2023
Shri B K Patel, Dr.S M Soni, Shri M R Patel, Miss. Babita. R.	SMSs	Natural farming	SAMETI, Gandhinagar	Offline	01-06-2023 (2 days)
Mr. R A Kachhadia	SMSs	Value Chain Management of Agricultural commodities for income Enhancement of Stakeholders	CIPHET- Ludhiana	Offline	14-06-2023 (3 days)
Shri B K Patel	SMS	Training of Master Trainers for Safe and Judicious use of Glyphosate by PCOs	NIPHM,HYDER ABAD	Offline	28-06-2023
Shri B K Patel ,Miss. Babita. R.	SMSs	Strengthening food processing in north Gujarat region	ASSOCHAM, Ahmedabad	Offline	30-06-2023
Dr. R A Patel , Dr.S M Soni, Shri M R Patel , Shri B K Patel	Senior Scientist and Head, SMSs	Building Resilience in FPOs, insight from past challanges, latest advancement and stretagies for future preparedness	DEE, SDAU	Offline	04-07-2023
Miss. Babita. R.	SMS	Capacity building of agriculture extension professionals to promote agro processing	CIPHET,Ludhian a	Offline	07-08-2023 (5 days)
Dr. R A Patel , Dr.S M Soni, Miss. Babita. R.	Senior Scientist and Head, SMS	Oyster musroom production technology	S D A U, S K Nagar	Offline	13-09-2023
Dr. R A Patel	Senior Scientist and Head	Prakrutik Kheti Pak parisamvad	ATMA, Gandhinagar	Offline	06-10-2023
Dr. R A Patel , Dr.S M Soni, Mr. A D Patel	Senior Scientist and Head, SMS	Video editing : Tools and techniques	DEE, SDAU	Offline	08-12-2023

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

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

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

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	6	82

19. Details of Progress of ARYA Project

Nama of	No of	No of	No of	No of	No of Unit	Change	in income	No. Of
Fotorprise	Training	Beneficiaries	Extension	Beneficiaries	established	Boforo	Aftor	Groups
Enterprise	Conducted		Activities			Delore	Alter	Formed
-	-	-	_	-	-	-	-	-

21. Details of SAP (2nd October to 31st October, 2023)

Date	Activities	No.ofActivites	Participant
04/10/2023	Awareness programme about swachhta	1	25
05/10/2023	Awareness and recycling the waste water	1	39
06/10/2023	Cleaning of village programme with farmers	1	40
11/10/2023	Crop Residue Management	2	48
12/10/2023	Demonstration of Technologies on waste and wealth	1	34
13/10/2023	Microbial Based Agriculture weste management	1	30
17/10/2023	Awareness on plastic waste shramdan programme	1	32
18/10/2023	Crop residual management	2	99
23/10/2023	Cleaning of village programme with farmers	1	49
27/10/2023	Crop Residue Management	1	20
28/10/2023	Demonstration of Technologies on waste and wealth	1	24
	Total	13	440

Details of SAP activity and expenditure

Quarter	No. of adopted villages (For Microbial based Agricultural Wasta Management using	Types of major Activity conducted (Excluding Vermicompost activity) Swachtta Pakhwada , Cleaning Awaraness Warkshop etc	Expenditure (Rs)
	Vermicomposting)	Cleaning, Awareness worksnop etc.	
Ι	Denap,Kansa, chhabliya, Vajapur,	Cleaning and beautification of surrounding area.	
II	Sankapura	Awareness regarding plastic use and stop single use	
III		plastic material.	
IV		Used water for agriculture and horticulture	
		application.	24390
		Farm sanitation and SWM	
		School campus cleaning.	
		Swachhata awareness at local level.	
		Display and banner.	

Celebration of special day

Prakrutik Krishi Sammelan & Exhibition

PrakrutikKrishiSammelan and Krishi Exhibition was jointly organizedbyATMA, Mehsana and Krishi Vigyan Kendra, Ganpat University, Kherva on 9th February, 2023. In which Shri Prahaladbhai Parmar, President, District Panchayat, Mehsana; Padmashri Dr.Ganpatbhai Patel, Patron in Chief and Chairman, Ganpat University; Shri Rambhai Patel, Chairman APMC, Mehsana; Shri Haribhai Patel, Executive Chairman, Jilla Panchayat, Mehsana; ShriDineshbhai Patel, OSD, ATMA, Gandhinagar; Shri F.K. Modh, Joint Director of Horticulture, Mehsana; Shri K.H. Patel, Joint Director of Agriculture, Mehsana; Dr.Maurvi Vasavada, Dean, FAAS, Ganpat University; Shri B.N. Patel, Deputy Director of Agriculture and Project Director, ATMA, Mehsana and Dr.R.A. Patel, Senior Scientist and Head, KVK, were present. In the programme,provided information about Natural farming. Best ATMA farmeraward was given in the programme where in 20 farmers were honoured with award. 908 farmers and farm women participated in this programme.

Workshop on "Suposhit and Shashakt purna"

A workshop was jointlyorganized under the framework of **"Suposhit and Shashakt Purna"**byICDS, Mehsana and KVK, Ganpat University, Kherva on 22nd August 2023 at KVK. In which 40 teenage girls got information about using millets in their daily diets, avoiding junk food, using sanitary napkin and also visited kitchen garden unit and Sainik School at Ganpat University, Kherva. In this programme girls were given necessary guidance and hemoglobin tested was done.

Celebration of International millet year-2023

The United Nations General Assembly in March 2021 declared 2023 as the Year of the Millets. With the aim of increasing the consumption and production of millets, Krishi Vigyan Kendra conducted public awareness, training programs and workshops in Mehsana district and organized a cooking competition by selecting one village each of these three talukas, Satlasana, Vadnagar and Vijapur. The millet recipe was evaluated by Sarpanch, Anganwadi worker and KVK expert. This competition made good, nutritious millet dish, 15 farm women of different villages honoured with certificate and awards. All participants in the competition were given prizes.

Workshop on importance and implementation on Bio-gas

Krishi Vigyan Kendra, Ganpat University jointly organized two workshop with SDAU,S.K. Nagar and DSC, Visnagar with the aim of importance and implementation of bio-gas for rural prosperity. Total 372 farmers were attended from Sundhiya and Chhabaliya villages of Vadnagar Taluka.

Natural Farming

Total 48 awareness programmes conducted on Natural farming, in which 2717 farmers and farm women were participated during the period. Total 8 Training programme and 16Frontline demonstration also conducted on natural farming.

Celebration of important day/Week

CAR Foundation day	WorldEnvironment day

July 16, 2023	June 5, 2023
Participants : 186	Participants : 77
WorldSoilday	Kisan Diwas
December 5, 2023	December 23, 2023
Participants : 25	Participants : 41

Direct selling concept for organic growers

KVK Mehsana encourage the farmers of water melon and date palm grower at GUNI Staff quarter residency and hostel through direct selling to consumer for getting better price of their produce.

Sr.	Particular	Quantity (Kgs)	Rate (Rs.)	Total Amount
No.				(Rs.)
1	Water Melon	1800	15	27000
2	Date Palm	108	70	7560
		34560		

Parthenium Awareness Week 16-22 August, 2023

KVK, Mehsana celebrated the Parthenium Awareness Weekduring 16th to 22nd August, 2023 to motivate the public for management and eradication of the obnoxious weed. As you know the health of animals, people, plant and the environment are interconnected and "One Health" is an integrated approach that recognizes this fundamental relations. Therefore, Parthenium eradication is a step in this direction to maintain better ecological standard. Parthenium has become one of the rampant weeds throughout the globe causing enormous damage to agricultural productivity, human and animal health and biodiversity. In India, it has assumed serious proportions in the cropped and non-cropped lands, city dwellings, rail, canal and road sides, and in the institutional campuses. In this programme total **276** participants of Shankapura and Motidau villages of Mehsana district. We have awared them regarding parthenium weed, habitat and control measure of it.

Parthenium histerophours is an alien invasive weed of national significance. It is popularly known as congress grass, carrot weed, white cap or top, gajar ghas, chatak chandni, asadi, gajari, phandriphuli, nakshatra gida, vayyari bhama and safed topi in different parts of India. Since its introduction into country in 1950s, it has invaded 35 million hectare land in cropped and non-cropped areas including forests. It is a fast maturing annual, which can grow to a height of 1.5 to 2.0 m having brances and leaves covered with fine hairs.

It produces large number of small white flowers and seeds of light weight that are easily dispersed to distant places. A single plant can produce 5,000 to 25,000 seeds.

It causes health hazards like skin allergy (dermatitis), hay fever and asthma in human beings, and is also toxic to livestock. It threats native biodiversity besides loss to crop productivity. It is a nuisance in public amenity areas like parks, residential colonies and orchards. The weed squeezes grasslands and pastures, hence reducing the fodder supply for animals.

Celebration of Swachhata Abhiyan

Swachhata related awareness programme celebrated from 02-31, October, 2023 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 440 farmers and farm women were participated.

Student trained by KVK during the year

Sr.No	Date/Duration	Days	Number of	Degree	Name of college
			students		
1	23/01/2023 to 31/01/2023	10	41	B.Sc (Horti)	Collage of Horticulture, Jagudan, S. K. Nagar
2	12/09/2023 to 15/09/2023	05	05	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 - 3times		KVK	4
ZAREAC Meet	04/11/2023	SDAU, S.K. Nagar	1
SAC	11/01/2023	KVK	2
Pre Annual Action Plan Workshop	11/05/2023	SDAU, S.K. Nagar	6
Pre Kharif workshop	20/06/2023	SDAU, S.K. Nagar	1
Pre - APR review workshop	04/07/2023	SDAU, S.K. Nagar	4
Review Meeting -3	04/07/2023 13/10/2023 08/12/2023	SDAU, S.K. Nagar	11
	10/02/2022		3
	20/03/2023		5
Workshop-5	04/07/2023	SDAU, S.K. Nagar	4
	08/12/2023		4
			3
Training-1	11/05/2023	SDAU, S.K. Nagar	4

APR SUMMARY

1. Training Programmes

Clientele	No. of Courses	Male	Female	Total participants
Farmers & farm women	74	1320	1010	2330
Rural youths	4	7	88	95
Extension functionaries	10	256	96	352
Total	88	1583	1194	2777
Sponsored Training	12	345	150	495
Vocational Training	3	1	76	77

2. Frontline demonstrations

Enterprise	No. of Farmers	Area(ha)	Units/Animals
Oilseeds	100	40	
Pulses	25	10	
Cereals	80	18.5	
Vegetables	-	-	
Other crops	73	26.2	
Hybrid crops	25	10	
Total	303	104.7	
Livestock & Fisheries	195	-	195
Other enterprises	178	-	178
Total	373	-	373
Grand Total	676	104.7	373

3. Technology Assessment & Refinement

Category	No. of Technology Assessed & Refined	No. of Trials	No. of Farmers
Technology Assessed			
Crops	5	50	50
Livestock	1	10	10
Various enterprises			
Total	6	60	60
Technology Refined			
Crops			
Livestock			
Various enterprises			
Total			
Grand Total	6	60	60

4. Extension Programmes

Category	No. of Programmes	Total Participants
Extension activities	1395	24112
Other extension activities	56	-
Total	1451	24112

5. Mobile Advisory Services

		Type of Messages										
Name of KVK	Message Type	Сгор	Livestock	Weather	Marke- ting	Aware- ness	Other enterprise	Total				
	Text only	14	2			1	1	18				
Mehsana	Voice only											
	Voice & Text both											
	Total Messages	14	2			1	1	18				
	Total farmers benefitted	300830	41620			2934	20826	366210				

6. Seed & Planting Material Production

	Quintal/Number	Value Rs.
Seed (q)	35.72	188022
Planting material (No.)	25600	17290
Bio-Products (kg)	4714	186590
Livestock Production (No.)	-	-
Fishery production (No.)	-	-

7. Soil, water & plant Analysis

	Samples	No. of Beneficiaries	Value Rs.
Soil	201	160	10600
Water	40	29	400
Plant	18	18	-
Total	259	207	11000

8. HRD and Publications

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

Training Annexure - I

Dete	Date Clie Discipline Training Title Thrust Area Training Pla		Turini na Diana	D		Other	ſ		SCST		-	Total			
Date	ntal	Discipline	I raining little	I hrust Area	I raining Place	ay s	Μ	F	Т	М	F	Т	М	F	Т
4-Jan-2023	PF	Plant Protection	Pests management in castor crops	Integrated Pest Management	Bhakadiya	1	23	0	23	3	0	3	26	0	26
6-Jan-2023	PF	Plant Protection	Pests and diseases management practices in Natural Farming	Production of bio control agents and bio pesticides	KVK	1	6	12	18	7	6	13	13	18	31
18-Jan-2023	PF	Agricultural Engineering	Installation and maintainance of MIS	Installation and maintenance of micro irrigation systems	KVK	1	39	0	39	2	0	2	41	0	41
24-Jan-2023	FW	Home Science	Preparation and preservation of aonla products	Value addition	Kot	1	0	22	22	0	0	0	0	22	22
25-Jan-2023	PF	Agricultural Engineering	Post harvest technology of spice crop	Post Harvest Technology	Denap	1	25	6	31	0	0	0	25	6	31
25-Jan-2023	PF	Crop Production	Prakrutik kheti	Production of organic inputs	кук	1	18	3	21	3	0	3	21	3	24
28-Jan-2023	PF	Crop Production	Prakrutik kheti	Production of organic inputs	кук	1	43	0	43	0	0	0	43	0	43
31-Jan-2023	PF	Crop Production	Prakrutik kheti	Resource Conservation Technologies	KVK	1	29	14	43	2	0	2	31	14	45
31-Jan-2023	PF	Agricultural Engineering	Post harvest technology of fennel seed	Post Harvest Technology	Kansarakui	1	34	0	34	1	0	1	35	0	35
2-Feb-2023	PF	Crop Production	Prakrutik kheti	Production of organic inputs	кук	1	36	10	46	0	0	0	36	10	46
3-Feb-2023	FW	Crop Production	Nutrient management in Rabi crops	Integrated nutrient management	Vadu	1	3	6	9	7	2 4	31	10	30	40
7-Feb-2023	PF	Crop Production	Prakrutik kheti	Resource Conservation Technologies	KVK	1	23	14	37	1	0	1	24	14	38

10-Feb-2023	PF	Agricultural Engineering	Use of plastic mulch film in farming practices	Use of Plastics in farming practices	KVK	1	10	0	10	0	0	0	10	0	10
3-Mar-2023	RY	Animal Science	Skill Development Programme on Small Dairy Farmer	Dairying	KVK	2 7	1	24	25	0	0	0	1	24	25
9-Mar-2023	FW	Home Science	value addition in millets crops	Value addition	KVK	3	0	40	40	0	0	0	0	40	40
25-Apr-2023	FW	Home Science	Preparation and Preservation of mango products	Value addition	Palawasna	1	0	16	16	0	6	6	0	22	22
27-Apr-2023	FW	Home Science	Preparation method of mango squash and jam	Value addition	Dediyasan	1	0	22	22	0	7	7	0	29	29
1-May-2023	EF	Animal Science	Round the year green fodder production technology for dairy animals	Livestock feed and fodder production	KVK	1	38	0	38	0	0	0	38	0	38
2-May-2023	EF	Animal Science	Care and managment of farm animals	Management in farm animals	KVK	1	29	0	29	0	0	0	29	0	29
3-May-2023	PF	Crop Production	Prakrutik kheti	Resource Conservation Technologies	KVK	2	35	0	35	0	0	0	35	0	35
16-May-2023	EF	Home Science	Importance and techniques of kitchen gardening	Household food security by kitchen gardening and nutrition gardening	KVK	1	8	8	16	1	3	4	9	11	20
17-May-2023	PF	Agricultural Engineering	Farm implements used for cotton cultivation	Farm Machinery and its maintenance	Saduthla	1	37	0	37	0	0	0	37	0	37
18-May-2023	EF	Crop Production	Pre- sowing Agronomical practices in cotton	Productivity enhancement in field crops	KVK	1	30	24	54	0	0	0	30	24	54
19-May-2023	EF	Plant Protection	Pre- sowing IPDM practices in cotton	Integrated Pest Management	KVK	1	30	24	54	0	0	0	30	24	54
25-May-2023	PF	Extension Education	How To Fill Up Form On I Khedut Portal For Subsidy	Group dynamics	Piludara	1	35	0	35	0	0	0	35	0	35
5-Jun-2023	PF	Crop Production	Pre-sowing agronomical practices in kharif crops	Integrated Crop Management	KVK	1	40	0	40	4	0	4	44	0	44

5-Jun-2023	PF	Agricultural Engineering	Use of improved small farm implements in agriculture	Production of small tools and implements	Anandpura	1	33	0	33	0	0	0	33	0	33
21-Jun-2023	PF	Crop Production	Scientific cultivation of Blackgram	Integrated Crop Management	кvк	1	23	2	25	0	0	0	23	2	25
22-Jun-2023	FW	Animal Science	Production technology of fodder sorghum CoFS-31	Feed & fodder technology	кvк	1	1	24	25	0	0	0	1	24	25
22-Jun-2023	FW	Home Science	Use of millets in our diet	Design and development of low/minimum cost diet	Unja	1	0	64	64	0	0	0	0	64	64
23-Jun-2023	EF	Crop Production	Scientific cultivation of castor	Productivity enhancement in field crops	KVK	1	5	25	30	0	0	0	5	25	30
24-Jun-2023	PF	Crop Production	Scientific cultivation of kharif Pearl millet	Integrated Crop Management	vasada, sundhiya	1	10	17	27	10	8	18	20	25	45
5-Jul-2023	PF	Crop Production	OFT - Blackgram cultivation practices	Integrated Crop Management	KVK	1	10	0	10	0	0	0	10	0	10
6-Jul-2023	FW	Home Science	Importance and techniques of kitchen gardening	Household food security by kitchen gardening and nutrition gardening	Sundhiya	1	5	37	42	0	4	4	5	41	46
7-Jul-2023	PF	Animal Science	Importance of deworming and vaccination in dairy animals	Disease Management	Buttapaldi	1	16	0	16	0	0	0	16	0	16
8-Jul-2023	FW	Home Science	Importance and techniques of kitchen gardening	Household food security by kitchen gardening and nutrition gardening	Venpura	1	0	30	30	0	0	0	0	30	30
10-Jul-2023	FW	Animal Science	Health and hygiene managment in dairy animals	Dairy Management	Laxmipura(Ai thor)	1	1	20	21	0	0	0	1	20	21
12-Jul-2023	FW	Home Science	Importance and techniques of kitchen gardening	Household food security by kitchen gardening and	Kaiyal	1	0	25	25	0	0	0	0	25	25

				nutrition gardening											
14-Jul-2023	FW	Animal Science	Balance feeding technology for dairy animals	Feed & fodder technology	Davada	1	7	20	27	0	0	0	7	20	27
17-Jul-2023	FW	Animal Science	Importance of deworming and vaccination in dairy animals	Disease Management	Mahadevpur a(Vijapur)	1	0	44	44	0	2	2	0	46	46
18-Jul-2023	FW	Home Science	Importance and techniques of kitchen gardening	Household food security by kitchen gardening and nutrition gardening	Mathasur	1	0	18	18	0	0	0	0	18	18
19-Jul-2023	FW	Animal Science	Round the year green fodder production technology for dairy animals	Feed & fodder technology	Kaiyal	1	7	20	27	0	0	0	7	20	27
25-Jul-2023	PF	Agricultural Engineering	Use of hand operated farm implement for inter- culturing operation in millet crop	Production of small tools and implements	кук	1	13	5	18	0	0	0	13	5	18
26-Jul-2023	FW	Home Science	value addition in seasonal fruits	Value addition	Mevad	2	0	30	30	0	0	0	0	30	30
27-Jul-2023	PF	Crop Production	scientific cultivation of castor	Integrated Crop Management	кvк	1	41	5	46	0	0	0	41	5	46
28-Jul-2023	FW	Home Science	Value addition in millets	Value addition	Vasda	1	0	20	20	0	0	0	0	20	20
31-Jul-2023	PF	Crop Production	Scientific cultivation of castor	Integrated Crop Management	кук	1	17	0	17	0	0	0	17	0	17
2-Aug-2023	PF	Agricultural Engineering	Farm implements used for castor cultivation	Farm Machinery and its maintenance	Kharsada	1	25	7	32	0	0	0	25	7	32
3-Aug-2023	FW	Animal Science	Use and Importance of Probiotic in animal feed	Animal Nutrition Management	Kot	1	1	21	22	0	0	0	1	21	22
4-Aug-2023	PF	Agricultural Engineering	farm implements used for castor cultivation	Production of small tools and implements	Adivada	1	40	32	72	0	0	0	40	32	72
9-Aug-2023	EF	Plant	Integreted pests and	Productivity	KVK	1	32	12	44	0	0	0	32	12	44

		Protection	diseases management in cotton	enhancement in field crops											
11-Aug-2023	FW	Animal Science	Balance feeding technology for dairy animals	Feed & fodder technology	Vajapur	1	7	23	30	0	0	0	7	23	30
11-Aug-2023	RY	Crop Production	Quality cotton grower	Integrated farming	KVK	1	3	3	6	3	9	12	6	12	18
18-Aug-2023	PF	Plant Protection	Integrated Pests Management in cotton	Integrated Pest Management	KVK	1	18	0	18	14	0	14	32	0	32
23-Aug-2023	PF	Extension Education	FPOs Challenges and Opportunities For BoDs and Members	Entrepreneurial development of farmers/youths	KVK	1	29	0	29	7	0	7	36	0	36
25-Aug-2023	FW	Home Science	Preparation of different types of products from millets	Design and development of low/minimum cost diet	Kot	1	8	19	27	0	0	0	8	19	27
26-Aug-2023	PF	Plant Protection	Whitegrub management in groundnut	Integrated Pest Management	Dhandhusan	1	31	0	31	1	0	1	32	0	32
1-Sep-2023	PF	Extension Education	Extension methodologies for marketing channels for farm products	Group dynamics	Mohanpura	1	42	0	42	0	0	0	42	0	42
4-Sep-2023	FW	Animal Science	Use and Importance of Bypass protein in animal feed	Animal Nutrition Management	fatehpura	1	3	17	20	0	0	0	3	17	20
11-Sep-2023	FW	Home Science	Use of millets in our diet	Design and development of low/minimum cost diet	Sundhiya	1	7	23	30	0	0	0	7	23	30
21-Sep-2023	FW	Animal Science	Managment of external parasite in dairy animals	Disease Management	Malarpura	1	4	12	16	0	0	0	4	12	16
4-Oct-2023	PF	Crop Production	Scientific cultivation of mustard	Integrated Crop Management	KVK	1	25	0	25	0	0	0	25	0	25
13-Oct-2023	FW	Home Science	Seasonable fruits and vegetables uses in our daily diet	Design and development of low/minimum cost diet	kaiyal	1	0	30	30	0	0	0	0	30	30

17-Oct-2023	FW	Animal Science	Importance and use of chelated mineral mixture for dairy animals	Animal Nutrition Management	Boriavi	1	0	32	32	0	0	0	0	32	32
23-Oct-2023	PF	Extension Education	Awareness Training on warehousing development and regulation	Mobilization of social capital	KVK	1	45	4	49	0	0	0	45	4	49
27-Oct-2023	FW	Home Science	Preparation and preservation of Aonla candy	Value addition	Ranchodpura	1	0	20	20	0	0	0	0	20	20
28-Oct-2023	FW	Animal Science	Importance of Balance deit for dair anmals	Feed & fodder technology	Mevad	1	0	24	24	0	0	0	0	24	24
2-Nov-2023	PF	Plant Protection	IPM in fennel	Integrated Pest Management	Vaghar	1	29	0	29	0	0	0	29	0	29
4-Nov-2023	RY	Home Science	Value addition in aonla	Value addition	Jagudan	5	0	20	20	0	0	0	0	20	20
6-Nov-2023	PF	Crop Production	Scientific cultivation of Wheat	Integrated Crop Management	кvк	1	28	3	31	0	0	0	28	3	31
7-Nov-2023	PF	Crop Production	Training on awareness and safe use of Glyphosate	Weed Management	кvк	1	35	0	35	0	0	0	35	0	35
9-Nov-2023	PF	Horticulture	Scientific cultivation of cumin seed	Production and Management technology	кvк	1	10	0	10	0	0	0	10	0	10
21-Nov-2023	PF	Crop Production	scientific cultivation of Wheat	Integrated Crop Management	кvк	1	10	0	10	0	0	0	10	0	10
29-Nov-2023	FW	Home Science	Preparartion of aonla jam,murabba and laddoo	Value addition	Boriavi	1	0	29	29	0	0	0	0	29	29
30-Nov-2023	PF	Plant Protection	Pests management in castor	Integrated Pest Management	Sundhiya	1	17	4	21	1	0	1	18	4	22
1-Dec-2023	FW	Home Science	Preparation of bajara biscuits through different technologies	Designing and development for high nutrient efficiency diet	Kot	1	0	20	20	0	0	0	0	20	20
4-Dec-2023	PF	Plant Protection	Diseases and pests management in castor	Integrated Disease Management	Kot	1	18	2	20	0	0	0	18	2	20

4-Dec-2023	EF	Animal Science	Feed and fodder managment for dairy animals	Livestock feed and fodder production	KVK	1	35	0	35	0	0	0	35	0	35
5-Dec-2023	EF	Animal Science	Azolla production technology for dairy animals	Livestock feed and fodder production	KVK	1	25	0	25	0	0	0	25	0	25
6-Dec-2023	EF	Animal Science	Balance feeding technology for dairy animals	Livestock feed and fodder production	KVK	1	23	0	23	0	0	0	23	0	23
7-Dec-2023	PF	Crop Production	Prakrutik kheti	Resource Conservation Technologies	KVK	2	40	2	42	1	0	1	41	2	43
9-Dec-2023	FW	Home Science	seasonal fruits and vegetables uses in our daily diet	Women and child care	KVK	1	1	24	25	0	0	0	1	24	25
14-Dec-2023	PF	Agricultural Engineering	Harvesting technique of castor spike through improved small farm tools	Production of small tools and implements	KVK	1	29	3	32	0	0	0	29	3	32
20-Dec-2023	PF	Crop Production	Sustainable castor initiative	Integrated Crop Management	KVK	1	54	0	54	0	0	0	54	0	54
23-Dec-2023	FW	Plant Protection	Pests and diseases management in rabi crops through natural farming methods	Production of bio control agents and bio pesticides	KVK	1	13	27	40	0	1	1	13	28	41
27-Dec-2023	RY	Home Science	Value addition in aonla	Value addition	Karli	5	0	32	32	0	0	0	0	32	32
28-Dec-2023	FW	Animal Science	Care and managment of Calf	Dairy Management	Chotiya	1	13	25	38	0	0	0	13	25	38
30-Dec-2023	PF	Extension Education	Utilization of social media tools for agriculture knowledge upgradation and livelihood improvement	Mobilization of social capital	KVK	1	52	2	54	2	1	3	54	3	57