

ICAR-ATARI, Pune

DETAILS OF ANNUAL PROGRESS REPORT OF KVKs DURING 2021

(1st Jan.2021 to 31st Dec. 2021)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address with PIN code	Telephone		E mail	Website address & No. of visitors (hits)
Krishi Vigyan Kendra, Ganpat University, Mehsana District Education Foundation, Mehsana-Gozaria Highway, Ganpat Vidyanagar-384012, Gujarat.	Office	Fax	kvkmehsana@ yahoo.co.in, kvkmehsana@ganpatuniversity.ac.in	www.kvkmehsana.org 630 http://mehsana.kvk6.in (1891717)
	(02762) 289189 Mo. 07778033471	(02762) 289189		

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

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

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

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

1.4. Year of sanction:2005

1.5. Staff Position (as on Dec, 2021)

Sl. No.	Sanctioned post	Name of the incumbent	Mobile No	Discipline	If Permanent, Please indicate		Date of joining	If Temporary, pl. indicate the consolidated amount paid (Rs./month)
					Current Pay Band	Level		
1.	Senior Scientist and Head	Dr.R.A.Patel	9427692805	Plant Protection	143600	13A	14-12-2018	-
2.	Subject Matter Specialist	Dr.S.M.Soni	9228332681	Animal Husbandry	88400	11	23-01-2006	-
3.	Subject Matter Specialist	Shri.B.K.Patel	9879820818	Crop production	93800	11	17-02-2006	-
4.	Subject Matter Specialist	Shri.M.R.Patel	8511221158	Extension Education	71100	10	09-04-2012	-
5.	Subject Matter Specialist	Mrs.Babita Ramnivas	9157695573	Home Science	67000	10	07-07-2015	-
6.	Subject Matter Specialist	Shri.R.A.Kachhadia	9428989555	Agricultural Engineering	67000	10	07-07-2015	-
7.	Subject Matter Specialist	-		-	-		-	-
8.	Programme Assistant	Ku.R.R.Patel	9427650382	Home Science	53600	6	29-08-2009	-
9.	Computer Programmer	Shri.A.D.Patel	9824479651	-	60400	7	29-05-2006	-
10.	Farm Manager	Shri.A.R.Patel	9904058149	-	60400	7	01-04-2006	-
11.	Accountant/Superintendent	Shri.J.M.Patel	9924418019	-	53600	6	01-09-2009	-
12.	Stenographer	Shri.G.C.Rathod	9904244617	-	41600	5	01-06-2006	-
13.	Driver 1	Shri.K.G.Patel	9909842861	-	34300	4	25-09-2006	-
14.	Driver 2	-		-	-		-	-
15.	Supporting staff 1	Shri.M.H.Patel	9426235880	-	30200	2	18-05-2006	-
16.	Supporting staff 2	Shri.S.M.Patel	9426235879	-	30200	2	18-05-2006	-

1.6. Total land with KVK (in ha) :

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

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Year	Plinth area (Sq.m)	Expenditure (Rs.)	Starting year	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	31/03/2008	550	4017138			
2	Farmers Hostel	ICAR	17/04/2008	305.00	5657018			
3.	Staff Quarters (6)	ICAR	17/04/2008	397.50	4719570			
4.	Demonstration 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	Automatic jivamrut unit (Biofertilizer unit)	Revolving fund	31/01/2018	50	1,50,000			
14	Micro Irrigation system	Revolving fund	31/01/2018	-	1,30,000			
15	Nadep compost	ICAR	31/03/2019	40	22500			
16	Hydroponics Unit	Revolving fund	31/03/2019		5000			
17	Green House unit	Revolving fund	31/03/2019		50000			
18	Kitchen Garden	Revolving fund	31/03/2019		13985			

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Mahindra Bolero	05/10/2005	5,00,000=00	224002	Very Poor
Messy tractor with trolley (Host institute)	23/06/2004	3,50,000=00	12536	Very Poor
Motor cycle	13/10/2011	50,000=00	18989	Good

C) Equipments & AV aids

Name of the equipment / Implements	Year of purchase	Cost (Rs.)	Present status
Printer	2021	12850	Good

1.8. Details SAC meeting conducted in the year

Sl.No.	Date	Name and Designation of Participants			Salient Recommendations	Action taken
1	20/01/2021	Sr No	Name of members	Designation	To organize front line demonstration in Fennel crop.	25 Demonstrations on IPM were conducted in fennel.
		1	Shri Somabhai K. Rayka	Director, Krishi Vigyan Kendra	To make efforts to increase the area of Ajwain under cultivation.	The cultivation of Ajwain crop has been encouraged through training and extension activities in Mehsana district.
		2	Dr.M.S. Sharma	Pro Chancellor and Director General, Ganpat University	To encourage farmers to cultivate ajwain as an intercrop in cumin.	Farmers are encouraged in training programs.
		3	Dr V.T. Patel	Director Extension Education, SDAU, S.K.Nagar	Incorporate nutrition training into home science training.	14 trainings (432 beneficiaries) were conducted and celebrated Nutrition Week in which 1199 beneficiaries were present
		4	Shri Jayantilal S Patel	BOG Member , Ganpat University-KVK	Provide skill training to women.	4 days skill based training conducted in value addition of Aonla.
		5	Shri Pravin R. Patel	BOG Member , Ganpat University-KVK	To conduct awareness campaign for Kitchen Garden in urban area also.	2 (85 beneficiaries) trainings were conducted.
		6	Dr.Sourabh Dave	OSD, President Cum Managing Trustee, MDEF, Ganpat University	To organize demonstrations of Wheel hoe in cumin line sowing.	Demonstration of wheel hoe was arranged in cumin crop.
		7	Shri Rahul.V .Patil	DDM, NABARD, Mehsana	To Conduct Certificate Course for Insecticide Dealers / Distributors.	One batch of 40 dealers has been completed and another batch is planned.
		8	Shri Ashok A Vaghela	Dy.Forest officer , Dept. of Forest Conservation, Mehsana	Increasing the number of seedlings in the nursery.	The number of seedling will be increased this year.
		9	Dr.Upesh Kumar	Sr.Scientist & Head, KVK, Patan	Use of coriander multi cut variety of SAU in the Kitchen Garden kit.	Multi-cut variety GDLC-1 used in 50 kits of Kitchen Garden
		10	Dr R.R.Prajapati	Asst.Professor , DEE Office, SDAU, S.K.Nagar		
		11	Shri Kanjibhai S Patel	BOG Member , Ganpat University-KVK		
		12	Dr S.I.Patel	Research Scientist (Wheat), WRS, SDAU, Vijapur		
13	Dr.A.U. Amin	Research Scientist (Spices), SSRS,				

			SDAU, Jagudan,		
14	Dr. Bipin Rathod		Dy. Director of Horticulture, Dept. of Horticulture, Mehsana		
15	Patel Rashik M		District level coordinator , GSFC, Mehsana		
16	Shri Dinesh Chaudhary		Dy. Project Director, ATMA, Mehsana		
17	Vaidehi R Chaudhary		Junior executive, GSFC, Mehsana		
18	Shri Ratansinh M Rajput		Progressive Farmer, Amarpura, Ta. Mehsana		
19	Shri Vijaybhai A. Patel		Progressive Farmer, Khavad, Tal. Kadi		
20	Shri G.A. Patel		S.M.S. (Plant protection), KVK, Patan		
21	Shri Deependra Singh		Lead District Manager, BOB, Mehsana		
22	Shri Lalitkumar Meena		Baroda Rseti, Mehsana		
23	Shri. Rahul K Parmar		System Anyalyst, DWDA, Mehsana		
24	Shri Vijay R Desai		MDT , DWDA, Mehsana		
25	Shri Rajendrabhai B Patel		DSC, Visanagar		
26	Shri Sanjay D Leuva		DWDA, Mehsana		
27	Smt. Jalpa G. Rohadiaya		Mukhya Sevika, I.C.D.S, Mehsana		
28	Smt. Jamiben Chaudhary		Progressive Farm woman, Malarpura, Tal. Kheralu		
29	Dr. R.A. Patel		Sr. Scientist & Head, KVK, Mehsana		
30	Dr Ajay Gupta		Director Research, Ganpat university		
31	Shri Ashvin R. Patel		BOG Member, Ganpat University-KVK		

2. DETAILS OF DISTRICT / JURISDICTION AREA OF KVK

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

S. No	Farming system/enterprise
1	Pulses – Mustard /Wheat
2	Cotton – Wheat/Cumin – Summer Pearl millet
3	Castor
4	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	<ul style="list-style-type: none"> Medium water holding capacity, Medium permeability 	64500
2	Sandy loam	<ul style="list-style-type: none"> Retain more water and nutrient than sandy soil and black soil 	259700
3	Sandy	<ul style="list-style-type: none"> Low water holding capacity High permeability 	28900
4	Saline / salt affected	<ul style="list-style-type: none"> Salt accumulate on soil surface, Water logging condition, Crack formation during summer season It contain excess neutral soluble salts chiefly chlorides and sulphate of Na, Mg and Ca 	81900
Total			435000

2.4. Area, Production and Productivity of major crops cultivated in the area of jurisdiction of KVK (2021)

S. No	Crop	Area '00" (ha)	Production ('00 MT.)	Productivity (kg./ha)
1	Cereals			
	Rice (kharif)	30.10	73.71	2448.68
	Wheat	588.43	1988.33	3379.05
	Pearlmillet(kharif)	118.70	341.45	2876.56
	Maize(Kharif)	0.28	0.50	1770.09
2	Pulses			
	Greengram- Kharif	22.89	8.13	355
	Blackgram	68.92	46.66	677
	Guar seed	111.57	78.10	700
	Gram	2.20	2.99	1357.97
	Tur-Kharif	0.86	1.04	1208.87
	Mothbean-Kharif	3.42	0.28	82.00
3	Oilseed			
	Groundnut-Kharif	140.75	416.88	2961.88
	Groundnut-summer	11.16	22.87	2049.00
	Castor	871.84	1939.27	2212.99
	Mustard	139.45	239.65	1718.56
	Sesamum-Kharif	15.18	6.36	418.95
	Sesamum-Summer	3.14	1.51	480
4	Cash crops			

	Cotton	346.73	1450.35	711.10
	Tobacco	127.70	217.19	1774.65
5	Spice crops			
	Cumin	16.98	8.31	489.29
	Fennel	49.33	78.89	1599.17
	Isabgoal	1.24	0.87	700.37
6	Potato	77.32	2373.88	30702
7	Garlic	1.84	12.53	6812
8	Onion	3.40	95.95	28222

Source :www.agri.gujarat.gov.in

Area, production and productivity of Horticultural crops (2020-21)

Crop	Area (ha)	Production (MT)	Productivity (kg/ha)
Mango	1071	5301	4949.58
Chiku	1164	10301	8849.66
Citrus	13298	187502	14100.02
Ber	1845	18450	10000.00
Guava	915	8921	9749.73
Pomegranate	1106	17420	15750.45
Papaya	968	45980	47500.00
Aonla	1126	7995	7100.36
Potato	8451	245079	29000.00
Onion	452	9266	20500.00
Brinjal	3300	57915	17550.00
Cabbage	2421	52487	21679.88
Okra	2316	32192	13899.83
Tomato	5856	189734	32399.93
Cauliflower	2145	42900	20000.00
Clusterbean	3654	39756	10880.13
Cowpea	1221	12320	10090.09
Cumin	451	397	880.27
Fennel	9037	19881	2199.96
Dry Chilli	1203	2418	2009.98
Fenugreek	851	1889	2219.74
Ajwain	5540	6094	1100.00
Dilseed	840	1025	1220.24
Isabgol	30	26	866.67
Flowers	206	1824	8854.37

Source:Dept.of Horticulture, Mehsana, Gujarat

2.5. Weather data (2021)

Month	Rainy Days	Rainfall (mm)	Temperature ° C		RH
			Maximum	Minimum	(%)
January-2021	1	0.88	29	16	36
February-2021	0	0.65	33	19	28
March-2021	1	2.43	37	23	24
April-2021	1	1.99	41	27	25
May-2021	1	4.82	42	29	34
June-2021	14	83.31	39	30	48
July-2021	27	471.00	34	28	68
August-2021	28	362.00	32	26	75
September-2021	17	180.04	34	26	68
October-2021	3	17.80	37	26	41
November-2021	1	10.36	34	22	35
December-2021	1	0.56	30	17	34
Total	95	1135.84	--	--	--

Source : Worldweatheronline.com/mehsana

2.6. Production and productivity of livestock, Poultry, Fisheries etc in the district (2011)

Category	Population	Production	Productivity
Cattle			
<i>Crossbred</i>	99324	165920 ton	8.24 kg
<i>Indigenous</i>	94300	58429 ton	2.97 kg
Buffalo	561900	474390 ton	4.16 kg
Sheep			
<i>Crossbred</i>	18900	21 ton	1.1 kg
<i>Indigenous</i>			
Goats	91700	6246 ton	0.31
Pigs			
<i>Crossbred</i>			
<i>Indigenous</i>			
Rabbits			
Poultry			
Hens			
<i>Desi</i>	10200	1193400 no egg	117
<i>Improved</i>	23000	6624000 no egg	288
Ducks			
Turkey and others			
Fish (Reservoir)			

* Dept. of Animal Husbandry, Mehsana

2.7. Details of Operational area / Villages

Taluka / Block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
Visnagar	Savala, Bokarvada, Amarapura, Kansa, Denap, Ralisana, Saduthala, Hasanpur, Gunja, Kiyadar, Thalota, Kuvasana, Valam	Castor, Cotton, Tobacco, Wheat, Pearl millet ,	Less land holding No use of high yielding and resistant varieties No use of micronutrients	Integrated Crop Management Integrated Nutrient Management Integrated Pest Management
Mehsana	Laxmipura (Khara), Motidau, Deloli, Sangapur, Bhakadia, Akhaj, Kherva, Soneripura, Dhamanva, Divanpura, Dharusana	Sorghum, Mustard, Lucerne, Fennel, Cumin, Chilli, Potato, Pomegranate, Acid lime, Ber, Guava, Watermelon, Brinjal, Paddy, Sesamum,	Acute shortage of irrigation water Unawareness about pest identification and disease diagnosis	Integrated Disease Management Micro Irrigation System Disease Management in dairy animal
Kadi	Shiyapura, Khavad, Dharampur, Thodmalpura, Dhoriya	Clusterbean,	Shortage of organic manures Poor quality of manures	Feed Management in dairy animals Dairy Management
Vijapur	Vajapur, Ransipur, Vasai, Jepur, Gundarasan, Ladol, Sankapura, Kharod, Jantral, Bhavsor, Malav	Tomato, Sapota, Aonla, Green gram, mango, Drumstick, groundnut, ajwain, oil seed crops, horticulture crops, pulses crops, Mothbean,	Imbalance chemical fertilizers application Poor physical characteristic of soils Low availability of green fodder Crop damaged by wild animals Low market price of crop produced Unhealthy raising of vegetables seedling Low productivity of livestock Not follow post harvest management Found health weakness in Girls and women Improper Orchard management High cost of cultivation Labour scarcity High cost of animal feeds Unawareness about animal feed management Found storage loss in grain Poor socio economic conditions Lack of skill Unawareness about balance diet in BPL families Indiscriminate use of pesticides Less shelf life of fruits and vegetables Anaemia in adolescent girls and farm women Lack of knowledge about secondary agriculture Use of improved farm implements are not affordable Heavy infestation of nematodes in fruits and vegetable crops Low productivity of major crops Problematic soil Disease infestation due to heavy irrigation High mortality rate in calf Indiscriminate use of fungicides	Breeding management in dairy animals Soil fertility management Nursery Management Fodder Production Production of Organics Inputs Production and Management technology of horticultural crops Value Addition Low Cost High Nutrient Diet Storage loss Minimization Technology Women and Child Care Household Food Security by kitchen garden Farm Mechanization Group Dynamics Entrepreneurship Development Local specific Drudgery Reduction Technology Organic farming Seed production Repair and maintain of farm machineries and implements Varietal evaluation Production of small tools and implements Production of feed and fodder Management of problematic soil Rural craft Mobilization of social capital Leadership development Vermicompost Use of bio fertilizer Post harvest technology Soil and water testing
Satlasana	Vasda, Umari, Javanpura, Kubada, Samarapur, SahupuraKampa	Fodder crops, Poultry , livestock, farm implements, home science, organic farming, women empowerment, soil health, capacity building, kitchen garden, cattle		
Bechraji	Devgadh, Venpura, Jetpur, Karanpura, Kanoda, Motap			
Vadnagar	Sipor, Jagapura, Sulipur, Kahipur, Khatoda, Malekpur, Kamalpur, Vadbar, Karbatiya			
Kheralu	Chada, Dedasan, Vaghvadi, Varetha, Sundhiya, Malarpur			

Unjha	Laxmipura (Aithor), Tundav, Amudh, Hajipur, Karli, Ranchhodpura, Kamali, Nortol		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	Soil and water conservation Minimization of nutrient loss in processing Designing and development of low / minimum cost diet WTO and IPR issue Use of plastics in farming practices
Jotana	Jotana, Khadalpur, Ranipur, Jakasana			

2.8. Priority thrust areas:

Crop/Enterprise	Thrust area
Oilseed crop - Groundnut, Cotton, Castor, Sesamum, Mustard	Integrated Crop Management Integrated Nutrient Management Integrated Disease Management Integrated Pest Management Productivity enhancement in field crops Weed management Micro-irrigation system
Pulse crop - Greengram, Blackgram, chickpea	Integrated Crop Management Integrated Nutrient Management Integrated Disease Management Seed Production Integrated Pest Management Weed management
Fodder Bajra and Sorghum	Integrated Crop Management Integrated Nutrient Management
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
Spice crops - Fennel, Fenugreek, Ajwain, Cumin	Integrated Nutrient Management Integrated Disease Management Integrated Pest Management Micro Irrigation System Processing and Value Addition Production and Management Technology Post Harvest Technology
Acid Lime, Drumstick, Watermelon and Guava	Production and Management Technology Micro Nutrient Application Integrated Disease Management Integrated Pest Management Value Addition Micro Irrigation System Rejuvenation of old orchard Integrated farming system Soil and water conservation Use of plastic in farming practices
Kitchen Garden	House hold Food Security by kitchen gardening and nutritional gardening

Farm Implements	<p>Local Specific Drudgery Reduction Technology</p> <p>Farm Mechanization</p> <p>Production of small tools and implements</p> <p>Repair and maintenance of farm machinery and implements</p> <p>Installation and maintenance of MIS</p> <p>Post-harvest technology</p>
Cattle	<p>Dairy Management</p> <p>Feed Management</p> <p>Disease Management</p> <p>Production of livestock feed and fodder</p> <p>Dairying</p> <p>Management in farm animals</p>
Soil Health	<p>Production of Organic Inputs</p> <p>Soil Fertility Management</p> <p>Management of problematic soil</p> <p>Soil and water testing</p> <p>Soil and water conservation</p>
Women Empowerment & Home Science	<p>Income Generation Activities for empowerment of rural women</p> <p>Storage loss minimization techniques</p> <p>Women and child care</p> <p>Value Addition</p> <p>Design and development of low/minimum cost diet</p> <p>Location specific drudgery reduction technologies</p> <p>Design and development for high nutrient efficiency diet</p>
Capacity Building	<p>Group Dynamics</p> <p>Entrepreneurial development of farmers/youths</p> <p>Mobilization of social capital</p> <p>Leadership development</p> <p>Formation and management of SHGs</p> <p>WTO and IPR issue</p>
Organic Farming	<p>Vermi Compost production</p> <p>Production of bio-control agents and bio-pesticides</p> <p>Organic manure production</p> <p>Bio-fertilizer production</p> <p>Production of organic inputs</p> <p>Resource conservation technologies</p>

3. TECHNICAL ACHIEVEMENTS

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

OFT				FLD			
1				2			
Number of OFTs		Number of farmers		Number of FLDs (ha)		Number of farmers	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
10	11	95	101	120	122.5	574	626

Training				Extension Programmes			
3				4			
Number of Courses		Number of Participants		Number of Programmes		Number of participants	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
99	134	2250	4254	258	2159	4425	20551

Seed Production (Qtl.)		Planting materials (Nos.)	
5		6	
Target	Achievement	Target	Achievement
81	72.86	170000	378

Livestock, poultry strains and fingerlings (No.)		Bio-products (Kg)	
7		8	
Target	Achievement	Target	Achievement
-	-	1000	3140

3.1. B. Operational areas details during 2021

Sr.No.	Major crops & enterprises being practiced in cluster villages	Prioritized problems in these crops/ enterprise	Extent of area (Ha/No.) affected by the problem in the district	Names of Cluster Villages identified for intervention	Intervention (OFT, FLD, Training, extension activity etc.)*
1	Blackgram	False sowing method Injudicious use of fertilizers	2000 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 False method and inadequate dose of weedicides and pesticides use High cost of cultivation No use of high yielding and resistance variety	450 ha	Mehsana district	FLD, Training and extension activity
3	Greengram	Poor socio-economic condition Lack of skill	500 ha	Mehsana district	FLD, Training and extension activity
4	Castor	Don't use recommended agronomical practices No use of high yielding and resistance variety	72000 ha	Mehsana district	FLD, Training and extension activity
5	Mustard	Injudicious use of fertilizers No use of bio-fertilizers and micronutrients as well as bio pesticides.	17000 ha	Mehsana district	FLD, Training and extension activity
6	Groundnut	Unawareness about plant protection measures High cost of cultivation Poor socio-economic condition Lack of skill, Improper sowing method	7000 ha	Mehsana district	FLD, Training and extension activity
7	Sesamum		500 ha	Mehsana district	FLD, Training and extension activity
8	Wheat	Use old variety Unawareness about termite managemen False method of seed treatment Injudicious use of fertilizer	60000 ha	Mehsana district	OFT, FLD, Extension activity, Training
9	Chilli	Low yield Unawareness about bio-pesticides Use local variety	1500 ha	Mehsana district	Extension activity, Training
10	Fennel	Low yield use old variety No use of bio-pesticides Unawareness about pest	4000 ha	Mehsana district	FLD, Extension activity, Training
11	Cumin	High incidence of blight False method and inadequate dose of pesticides	1500 ha	Mehsana district	OFT, FLD, Extension activity, Training
12	Cotton	Low yield Indiscriminate use of pesticides	45000 ha	Mehsana district	OFT, FLD, Extension activity,

		Unawareness about pest and disease management False sowing method High incidence of pink ball worm Use local variety			Training
13	Watermelon	Low yield, low market price, high evaporation rate, deep ground water tabel, poor quality of water	250 ha	Mehsana district	OFT, Training
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, FLD
15	Spice crops	Low yield Unawareness about pest and disease management Heavy infestation of nematode Not follow postharvest management Lack of skill High cost of cultivation Deficiency of micro-nutrient Low market price Use local variety	10000 ha	Mehsana district	Training, extension activities
16	Vegetable Crops	Low yield Unawareness about pest and disease management Heavy infestation of nematode Not follow postharvest management Lack of skill High cost of cultivation Deficiency of micro-nutrient Low market price	15000 ha	Mehsana district	Training, extension activities
17	Fodder crops	Low fodder production High cost of animal feed High cost of cultivation Use local variety	35000 ha	Mehsana district	FLD, Training and extension activity
18	Livestock (Bypass protein)	Low milk production in lactating buffalo	3 lakh no.	Mehsana district	FLD, Training and extension activity
19	Livestock (Fenbendazole)	High incidence of parasitic worm	1 lakh no.	Mehsana district	FLD, Training and extension activity
20	Livestock (Chelated Mineral Mixture)	Low milk production in lactating buffalo	3 lakh no.	Mehsana district	OFT, FLD, Training and extension activity

21	Livestock (Probiotic)	Low milk production in lactating buffalo	3 lakh no.	Mehsana district	FLD, Training and extension activity
22	Livestock	Low productivity of livestock Poor feed and fodder management Repeat breeding High cost of animal feed Unawareness about vaccination and deworming	4 lakh no.	Mehsana district	Training
23	Wheelhoe	Poor adoption of farm mechanization Labour scarcity	-	Mehsana district	FLD, Training and extension activity
24	Improved sickle	High drudgery More time require Heavy weight of sickle	-	Mehsana district	FLD, Training and extension activity
25	Secutter	High drudgery More time require	-	Mehsana district	FLD, Training and extension activity
26	Kitchen garden	Poor house hold food security	-	Mehsana district	FLD, Training and extension activity
27	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 Un awareness about Nutri rich crop, unawareness about nutri-rich crop	-	Mehsana district	Training, OFT, FLD
28	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

* Support with problem-cause and interventions diagram

3.2. Technology Assessment (Kharif 2021, Rabi 2020-21, Summer 2021)

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetable	Fruits	Spice	Plantation crops	Tuber Crops	TOTAL
Integrated Nutrient Management	1									1
Varietal Evaluation	1		1				1			3
Integrated Pest Management				1						1
Integrated Crop Management										0
Integrated Disease Management							1			1
Small Scale Income Generation Enterprises										0
Weed Management										0
Resource Conservation Technology						1				1
Post harvest technology						1				1
Integrated Farming System										0
Seed / Plant production										0
Value addition						1				1
Drudgery Reduction										0
Storage Technique										0
Mushroom cultivation										0
Total	2	0	1	1	0	3	2	0	0	9

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

Thematic areas	Cattle	Poultry	Piggery	Rabbitry	Fisheries	TOTAL
Evaluation of Breeds						0
Nutrition Management	1					1
Disease of Management	1					1
Value Addition						0
Production and Management						0
Feed and Fodder						0
Small Scale income generating enterprises						0
TOTAL	2	0	0	0	0	2

B. Achievements on technologies Assessed

B.1. Technologies Assessed under various Crops

Thematic areas	Crop/ Enterprise	Name of the technology assessed	No. of trials	Number of farmers	Area in ha (Per trial covering all the Technological Options)
Integrated Nutrient Management	Wheat	N : P : K - 120 : 60 : 00 kg/ha + spray of 2% urea at milking stage of wheat	10	10	3
Varietal Evaluation	Blackgram	Assessment of new release GU-2 variety	10	10	3
	Wheat	Assessment of new release GW-499 variety	5	5	1.5
	Cumin	Assessment of new release GC-5 variety	10	10	3
Integrated Pest Management	Cotton	1000 drops of savajMDP paste at place of between two twigs at flowering initiation stage and remaining two treatment after 30 days interval	10	10	3
Integrated Crop Management					
Integrated Disease Management	Cumin	Spray of Azoxystrobin 23 SC 10 ml / 10 lit water with soap solution starting from disease initiation and then after two spray at 10 days interval	10	10	3
Small Scale Income Generation Enterprises					
Weed Management					
Resource Conservation Technology	Watermelon	20 microns plastic mulch 5550 meter per hectore	6	6	1.8
Post harvest technology	Lime	Lime harvester	10	10	-
Integrated Farming System					
Seed / Plant production					
Value addition	Home scienc	Green Mango 1 kg + Sugar 1.5 kg + Citric acid 8 gm + Potassium Metabisulphite 2 gm	10	10	-
Storage Technique					
Total			81	81	18.3

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	Buffalo	Use of green fodder, dry fodder, concentrate + mineral mixtures @ 30 gms + copper and cobalt bolus + Deworming of animals	10	10
Disease management	Buffalo	Use of soap permethrin 5% + cetrimide 1% + Aloe vera (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			20	20

OFT - 1

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- 2 variety	10	Recommendation-GU-2	Yield, BCR	Yield, BCR	11.20 % and 5.93 % more yield over T1 and T2 respectively	High yielding variety	-	-

Contd..

Technology Assessed	Source of Technology	No. of pod per plant	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	Farmer practice	25.50	562	kg/ha	3756	1.20
Recommendation -GU-1	SDAU, S.K. Nagar	30.00	590	kg/ha	3926	1.20
Recommendation-GU-2	JAU, Junagadh	34.50	625	kg/ha	5876	1.31

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-2 variety
 2. Problem Definition : Low yield of Blackgram
 3. Details of technologies selected for assessment : T1 : Local cultivar, T2 : Recommendation -GU-1, T3: Recommendation-GU-2
 4. Source of technology : SDAU, S.K. Nagar and JAU, Junagadh
 5. Production system and thematic area : Rainfed, Varietal evaluation
 6. Performance of the Technology with performance indicators : Yield, BCR, No. of pod per plant
 7. Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques : Increase production
 8. Final recommendation for micro level situation : 1st Year result,
 9. Constraints identified and feedback for research : -
 10. Process of farmers participation and their reaction : Group meeting and field visit
-

OFT - 2

C1.Results of Technologies Assessed - Result awaited

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

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

OFT - 3

C1.Results of Technologies Assessed - Result awaited

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 assessment	:	T1 : Local cultivar, T2 : Recommendation-GC-4, T3: Recommendation-GC-5
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 performance indicators	:	Yield, BCR
7.	Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques	:	-
8.	Final recommendation for micro level situation	:	1st Year trial, result awaited
9.	Constraints identified and feedback for research	:	-
10.	Process of farmers participation and their reaction		Group meeting and field visit

OFT - 4

C1.Results of Technologies Assessed

Results of On Farm Trial (3rd year trial, pooled result)

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 due to poor seed setting	Nutrient Management in wheat	10	N : P : K - 120 : 60 : 00 kg/ha + spray of 2% urea at milking stage of wheat	Yield, Test weight, Seeds per spike, Economics	Yield, Test weight, Seeds per spike, Economics	42.82 gm test weight over (T ₁)41.24 gm and (T ₂) 41.64 46.17 seeds/ spike over (T ₁)38.93 and (T ₂) 42.67	Spray of 2 % Urea at milking stage gave 14.21% and 7.41 % more yield over T ₁ and T ₂ treatment respectively	-	-

Contd..

Technology Assessed	Source of Technology	Production	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net Return (Profit) in Rs. / unit	BC Ratio
13	14	15	16	17	18
T ₁ : N : P : K - 205 : 86 : 00 kg/ha	Farmer practices	4324.67	kg/ha	58054	2.44
T ₂ : N : P : K - 120 : 60 : 00 kg/ha	SDAU, S K Nagar	4598.67	kg/ha	64890.67	2.67
T ₃ : N : P : K - 120 : 60 : 00 kg/ha + spray of 2% urea at milking stage of wheat	SDAU, S K Nagar	4939.33	kg/ha	72829.67	2.86

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 : Nutrient Management in wheat
 2. Problem Definition : Low yield due to poor seed setting
 3. Details of technologies selected : N : P : K - 120 : 60 : 00 kg/ha + spray of 2% urea at milking stage of wheat
for assessment
 4. Source of technology : SDAU, S K Nagar
 5. Production system and thematic : Irrigated , Integrated Nutrient Management
area
 6. Performance of the Technology : Yield, Test weight, Seeds per spike, Economics
with performance indicators
 7. Feedback, matrix scoring of : Increase production, good seed setting
various technology parameters
done through farmer's
participation / other scoring
techniques
 8. Final recommendation for micro : Third year completed and Pooled result
level situation
 9. Constraints identified and : -
feedback for research
 10. Process of farmers participation : Group meeting and field visit
and their reaction
-

OFT - 5

C1.Results of Technologies Assessed

Results of On Farm Trial (3rd year completed , pooled result)

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
Cotton	Irrigated	Low yield due to infestation of pinkboll worm	Assessment of savaj MDP technology for the management of pink boll worm	10	1000 drops of savajMDP paste at place of between two twigs at flowering initiation stage and remaining two treatment after 30 days interval	Yield, Boll damage (%)	Yield, Boll damage (%)	21.25 and 11.89 % reduction in ball damage over T1 and T2 respectively	-	-	-

Contd..

Technology Assessed	Source of Technology	Production	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Boll damage (%)	Net Return (Profit) in Rs. / unit	BC Ratio
13	14	15	16	17	18	19
Spray of profenophos 50 % EC or quinalphos 25 % EC 30 ml / 10 lit water	Farmer practice	1659.33	kg/ha	31.33	47643.67	1.95
Five spray of Beauveria bassiana 80 gm / 10 lit water at 5 % half opening of flowers and remaining four spray after 10 day interval	JAU, Junagadh	1821.67	kg/ha	28.00	59312.33	2.23
1000 drops of savajMDP paste at place of between two twigs at flowering initiation stage and remaining two treatment after 30 days interval	JAU, Junagadh	1910.00	kg/ha	24.67	60404.67	2.16

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 savajMDP technology for the management of pink boll worm
 2. Problem Definition : Low yield due to infestation of pinkboll worm
 3. Details of technologies selected for assessment : 1000 drops of savajMDP paste at place of between two twigs at flowering initiation stage and remaining two treatment after 30 days interval
 4. Source of technology : JAU, Junagadh
 5. Production system and thematic area : Irrigated , Integrated Pest Management
 6. Performance of the Technology with performance indicators : Yield, Boll damage(%), Economics
 7. Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques : Increased yield and reduction in Boll damage
 8. Final recommendation for micro level situation : Third year completed, Pooled result
 9. Constraints identified and feedback for research : -
 10. Process of farmers participation and their reaction : Group meeting and field visit
-

OFT - 6

C1.Results of Technologies Assessed

Results of On Farm Trial (2nd year)

Crop/enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Cumin	Irrigated	Very low yield and low market price due to inferior seed quality	Assessment of technology for management of alternaria blight in cumin	10	Spray of Azoxystrobin 23 SC 10 ml / 10 lit water with soap solution starting from disease initiation and then after two spray at 10 days interval	Percent disease Index and yield	Percent disease Index and yield	Blight disease reduction 25.75 % and 14.04 % over T1 and T2 respectively	-	-	-

Contd..

Technology Assessed	Source of Technology	Production	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Disease index (%)	Net Return (Rs)	BC Ratio
13	14	15	16	17	18	19
Spray of Mancozeb 75% WP, 20 gm/ 10 lit water at disease initiation	Farmer practices	625	kg/ha	33	58527	3.02
Four sprays of Mancozeb 75% WP, 33 gm/10 lit. water with soap solution starting from 35 DAS at 10 days interval	SDAU, S K nagar	680	kg/ha	28.5	66307	3.29
Spray of Azoxystrobin 23 SC 10 ml / 10 lit water with soap solution starting from disease initiation and then after two spray at 10 days interval	AAU Anand	740	kg/ha	24.5	70137	3.10

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 technology for management of alternaria blight in cumin
 2. Problem Definition : Very low yield and low market price due to inferior seed quality
 3. Details of technologies selected for assessment : Spray of Azoxystrobin 23 SC 10 ml / 10 lit water with soap solution starting from disease initiation and then after two spray at 10 days interval
 4. Source of technology : AAU Anand
 5. Production system and thematic area : Irrigated , Integrated Disease Management
 6. Performance of the Technology with performance indicators : Percent disease Index and yield, Economics
 7. Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques : Increase yield and reduction in disease index
 8. Final recommendation for micro level situation : Second year result
 9. Constraints identified and feedback for research : -
 10. Process of farmers participation and their reaction : Group meeting and field visit
-

OFT -7**C1.Results of Technologies Assessed****Results of On Farm Trial (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	-	Anestrus in lactating buffallos	Assessment of mineral and deworming effect on anestrus condition in lactating buffallos	10	Use of green fodder, dry fodder, concentrate + Chelated mineral mixtures @ 30 gms + copper and cobalt bolus + Deworming of animals	Signs of heat shown by animals, No. of animal in heat, Conception rate	Signs of heat shown by animals, No. of animal in heat, Conception rate	60 and 30 percent increase conception rate over T1 and T2 respectively			

Contd..

Technology Assessed	Source of Technology	Conception (%)	No. of Animals show sign of estrus	No.of animal in heat
13	14	15	16	17
Use of green fodder, dry fodder, concentrate	Farmer practices	20	4	5
T1 +Chelated mineral mixtures @ 30 gms + copper and cobalt bolus	SDAU, S K nagar	50	7	7
T2 + Deworming of animals	IVRI, Izzatnagar	80	9	9

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 mineral and deworming effect on anestrus condition in lactating buffallos
 2. Problem Definition : Anestrus in lactatingbuffaloes
 3. Details of technologies selected for assessment : Use of green fodder, dry fodder, concentrate + Chelated mineral mixtures @ 30 gms + copper and cobalt bolus + Deworming of animals
 4. Source of technology : IVRI, Izzatnagar
 5. Production system and thematic area : Nutrient management
 6. Performance of the Technology with performance indicators : Signs of heat shown by animals, No. of animal in heat, Conception rate
 7. Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques : Increase conception rate
 8. Final recommendation for micro level situation : Second year result, Third year trial
 9. Constraints identified and feedback for research : -
 10. Process of farmers participation and their reaction : Group meeting and field visit
-

OFT -8

C1.Results of Technologies Assessed - Result awaited

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% + Aloe vera (1%) apply and massage the leather on every part of body and wash after 1 hour
4.	Source of technology	:	IVRI, Izzatnagar and TANUVAS, Chennai
5.	Production system and thematic area	:	Disease Management
6.	Performance of the Technology with performance indicators	:	Ectoparasitic infestation (%), milk production, BCR
7.	Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques	:	-
8.	Final recommendation for micro level situation	:	1st Year trial, result awaited
9.	Constraints identified and feedback for research	:	-
10.	Process of farmers participation and their reaction	:	Group meeting and field visit

OFT -9

C1.Results of Technologies Assessed

Results of On Farm Trial (2nd year)

Crop/enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Home Science	-	Spoilage of Squash during storage	Assessment of Mango Squash preparation method	10	Green Mango 1 kg + Sugar 1.5 kg + Citric acid 8 gm + Potassium Metabisulphite 2 gm	Durability, Taste, colour	Durability, Taste, colour	As per taste parameter T3 is best but as per durability T2 is best	-	-	-

Contd..

Technology Assessed	Source of Technology	Durability	Taste	colour	BC Ratio
13	14	15	16	17	18
No use of preservative	Farmer practices	15 days	Bitter	Changed	
Green Mango 1 kg + Sugar 450 gm + Sodium Benzoate 1 gm	CISH, Lucknow	273 days	Good	Not changed	
Green Mango 1 kg + Sugar 1.5 kg + Citric acid 8 gm + Potassium Metabisulphiet 2 gm	Deputy Director Horticulture (Canning) Mehsana	243 days	Very good	Not changed	

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 Mango Squash preparation method
 2. Problem Definition : Spoilage of Squash during storage
 3. Details of technologies selected for assessment : Green Mango 1 kg + Sugar 1.5 kg + Citric acid 8 gm + Potassium Metabisulphiet 2 gm
 4. Source of technology : Deputy Director Horticulture (Canning), Mehsana
 5. Production system and thematic area : Value addition
 6. Performance of the Technology with performance indicators : Durability, Taste, colour
 7. Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques : Durability increased and best taste
 8. Final recommendation for micro level situation : Second year trial
 9. Constraints identified and feedback for research : -
 10. Process of farmers participation and their reaction : Group meeting and field visit
-

OFT -10**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
Agricultural engineering	-	low yield of watermelon and high evaporation rate of soil moisture	Assessment of mulching technique in watermelon	6	20 microns plastic mulch 5550 meter per hector	Yield, Irrigation hour, BCR	Yield, Irrigation hour	23.60 and 6.32 % water saving over T1 and T2 respectively	-	-	-

Contd..

Technology Assessed	Source of Technology	Drip Irrigation (Hour) (Flow rate 2 lit/hour)	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
Without mulch	Farmer practices	233	37900	kg/ha	96022.50	1.73
Organic mulch @ 2.5 ton/ha	SDAU (2009)	190	44645	kg/ha	226058.00	2.47
20 microns plastic mulch 5550 meter/ha	JAU (2015)	178	48700	kg/ha	324267.50	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 mulching technique in water melon
 2. Problem Definition : Low yield of water melon and high evaporation rate of soil moisture
 3. Details of technologies selected : T1: Without mulch , T2 : Organic mulch , T3: Plastic mulch@20 microns
for assessment
 4. Source of technology : Farmer practices, SDAU(2009), JAU(2015)
 5. Production system and thematic area : Resource Conservation Technology
 6. Performance of the Technology with performance indicators : Yield (kg/ha), Irrigation hour, BCR
 7. Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques : Increased water saving
 8. Final recommendation for micro level situation : Second year result
 9. Constraints identified and feedback for research : -
 10. Process of farmers participation and their reaction : Group meeting and field visit
-

OFT -11**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	Dropping percent and harvesting capacity kg/hour	Dropping percent reduce 80.06 and 69.55 in T2 and T3 over T1 technology	-	-	-

Contd..

Technology Assessed	Source of Technology	Dropping percent	harvesting capacity kg/hour
13	14	15	16
Bamboo stickwithhook	Farmer practices	100	8.83
Lime harvester developed by RTTC, JAU	JAU, Junagadh	19.94	6.78
Lime harvester developed by College of horticulture,Jagudan, SDAU	SDAU, Jagudan	30.44	6.10

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

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

3.3. FRONTLINE DEMONSTRATION

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

List of technologies demonstrated during previous year and popularized during 2021 and recommended for large scale adoption in the district

S. No	Crop/Enterprise	Thematic Area	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
					No. of villages	No. of farmers	Area in ha
1	Tomato	Integrated Pest Management	Trichogramma cards, Beauveria bassiana, HNPV, Neem oil	FLD	17	180	150
2	Livestock	Disease management	Fenbendazole	FLD	50	900	-
3	Mustard	Integrated Crop Management	Full package	CFLD	60	1500	600
4	Cotton	Integrated Pest Management	Beauveria bassiana, neem oil	FLD	20	450	200
5	Chilli	Integrated Pest Management	Beauveria bassiana, neem oil, verticilium leccani	FLD	15	100	80
6	Groundnut	Integrated Crop Management	Full package	CFLD	22	900	350
7	Blackgram	Integrated Crop Management	Full package	CFLD	25	300	150
8	Kitchen garden	Household food security	Seeds and seedling of vegetables	FLD	22	250	-
9	Livestock	Feed management	By pass protein	FLD	17	350	-
10	Wheel hoe	Drudgery reduction	Wheel hoe	FLD	20	140	-
11	Wheat	Varietal evaluation	GW-451	FLD	80	1500	650
12	Fennel	Integrated Pest Management	Beauveria bassiana, neem oil	FLD	25	220	170
13	Castor	Integrated Crop Management	Full package	CFLD	80	1500	600
14	Chickpea	Integrated Crop Management	Full package	CFLD	20	200	120
15	Cumin	IDM	Propineb	FLD	7	70	55
16	Cotton	Varietal evaluation	GTHH-49	FLD	16	90	50
17	Livestock	Feed management	Chelated mineral mixture	FLD	25	600	-
18	Greengram	Integrated Crop Management	Full package	CFLD	10	50	25
19	Secutter	Farm Mechanisation	Secutter	FLD	25	130	-
20	Dibbler	Production of small tools and implements	Dibbler	FLD	20	60	-
21	Organic farming	Organic farming	-	FLD	15	110	60

B. Details of FLDs implemented during 2021 (**Kharif 2021, Rabi 2020-21, Summer 2021**) (Information is to be furnished in the following **three tables** for each category i.e. **cereals, horticultural crops, oilseeds, pulses, cotton and commercial crops.**)

Cereals

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1	Wheat	Varietal evaluation	GW-451	Rabi, 2021-22	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
				N	P	K					
Wheat	Rabi	Irrigated	Sandy loam	L	M	H	-	-	-	-	-

Technical Feedback on the demonstrated technologies

S. No	Feed Back
1	-

Farmers' reactions on specific technologies

S. No	Feed Back
1	Wheat GW-451 <ul style="list-style-type: none"> • High yielding variety Good for chapatti • lodging resistant variety • Test weight increased

Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organized	Date	Number of participants	Remarks / Place
1	Field days				
2	Farmers Training	1	30/10/2021	40	KVK
3	FLD Field Visit	1	11-Jan-2022	20	Santhal
		1	11-Jan-2022	20	Martoli
		1	07-Feb-2022	20	Santhal
		1	01-Feb-2022	20	Santhal

Horticultural crops

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1	Fennel	Integrated Pest Management	Beauveria bassiana, Neem Oil	Rabi 2021-22	10	10	0	25	25	-

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
Fennel	Rabi	Irrigated	Sandy loam	L	M	H	-	-	-	-	-

Farmers' reactions on specific technologies

S. No	Feed Back
3.	Fennel -IPM
	<ul style="list-style-type: none"> Bio-pesticides effectively managed sucking pest Qualitative production

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-Jan-2022	74	Ralisana
2	Farmers Training	1	26-Oct-2021	28	Ralisana
3	FLD Field Visit	1	17-Dec-2021	12	Sunsi
		1	17-Dec-2021	13	Ralisana
		1	25-Jan-2022	21	Ralisana

Oilseeds

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1	Castor	ICM	Full package	Kharif 2021-22	10	10	0	25	25	-
2	Groundnut	ICM	Full package	Kharif 2021-22	10	10	0	25	25	
3	Mustard	ICM	Full package	Rabi 2021-22	10	10	0	25	25	
4	Sesamum	ICM	Full package	Summer-2020-21	10	10	0	25	25	

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
Castor	Kharif	Irrigated	Sandy loam	L	M	H	-	-	-		
Groundnut	Kharif	Rainfed	Sandy loam	L	M	H	-	-	-		
Mustard	Rabi	Irrigated	Sandy loam	L	M	H	-	-	-		
Sesamum	Summer	Irrigated	Sandy loam	L	M	H	-	-	-		

Technical Feedback on the demonstrated technologies

S. No	Feed Back
1	-

Farmers' reactions on specific technologies

S. No	Feed Back
1	Groundnut - NMOOP
	<ul style="list-style-type: none"> • Application of sulphur increased yield • Beauveria bassiana, neem oil, HNPV and SNPV manage heliothis, spodoptera and sucking pests effectively • Soil application of Trichoderma very good managed collar rot disease (83 % reduction)
2.	Castor
	<ul style="list-style-type: none"> • Application of sulphur increased yield • Beauveria bassiana, neem oil manage spodoptera and sucking pests effectively
3.	Mustard

	<ul style="list-style-type: none"> • High yielding variety • Application of sulphur increased yield • Beauveria bassiana, neem oil and sticky trap manage aphid effectively
4	Sesamum <ul style="list-style-type: none"> • High yielding variety • Application of sulphur increased yield • Beauveria bassiana and neem oil manage pest 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	1	19-Jan-2022	55	Khavad
		1	28-Jan-2022	72	Venpura
2	Training	1	05-Aug-2021	25	KVK
		2	19-Oct-2021	25	Venpura, Khavad
3	Field visit	1	28-Aug-2021	9	Khavad
		1	11-Oct-2021	16	Venpura
		1	19-Oct-2021	16	Venpura
		1	19-Oct-2021	9	Khavad
		1	19-Jan-2022	9	Khavad
		1	28-Jan-2022	16	Venpura
Groundnut- NFSM					
1	Field Day	1	13-Sep-21	71	Vajapur
		1	13-Sep-21	70	Laxmipura
2	Training	1	21-Jun-2021	30	Laxmipura
		1	21-Jun-2021	13	Vajapur
		2	31-Jul-2021	31	Laxmipura and Vajapur
3	Field visit	1	15-Jul-2021	15	Laxmipura
		1	15-Jul-2021	10	Vajapur
		1	31-Jul-2021	15	Laxmipura
		1	31-Jul-2021	10	Vajapur
		1	02-Aug-2021	11	Laxmipura

		1	24-Aug-2021	15	Laxmipura
		1	13-Sep-2021	10	Vajapur
		1	13-Sep-2021	15	Laxmipura
		1	23-Sep-2021	10	Vajapur
	Mustard- NFSM				
1	Field Day	2	21-Jan-2022	144	Saduthala, Chhathiyara
2	Training	1	12-Oct-2021	29	KVK
		2	6-Dec-2021	27	Saduthala, Chhathiyara
3	Field visit	1	16-Nov-2021	13	Saduthla
		1	24-Nov-2021	12	Chhathiyarda
		1	06-Dec-2021	13	Saduthla
		1	06-Dec-2021	12	Chhathiyarda
		1	29-Dec-2021	12	Saduthla
		2	21-Jan-2022	25	Saduthala, Chhathiyara
	Sesamum-NFSM				
1	Field day	1	04-Jun-2021	40	Vajapur
2	Training	1	19-Feb-2021	25	KVK
		1	05-Apr-2021	20	Dhanpura
3	Field visit	1	05-Apr-2021	3	Vajapur
		1	05-Apr-2021	17	Dhanpura
		1	01-Apr-2021	5	Vajapur
		1	01-Apr-2021	19	Dhanpura
		1	04-Jun-2021	7	Vajapur
		1	04-Jun-2021	15	Dhanpura

Pulses

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1	Greengram	ICM	Full package	Summer 2021-22	10	10	0	25	25	
2	Blackgram	ICM	Full package	Kharif 2021-22	10	10	0	25	25	-
3	Chickpea	ICM	Full package	Rabi 2021-22	10	10	0	25	25	-

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
Greengram	Summer 2021-22	Irrigated	Sandy loam	L	M	H	-	-	-	337.12	111
Blackgram	Kharif 2020-21	Rainfed	Sandy loam	L	M	H	-	-	-	337.12	111
Chickpea	Rabi 2020-21	Irrigated	Sandy loam	L	M	H	-	-	-	-	-

Technical Feedback on the demonstrated technologies

Farmers' reactions on specific technologies

S. No	Feed Back
1	Greengram
	<ul style="list-style-type: none"> ○ Variety, GNM-6 is good and bold seeded ○ Beauveria bassiana and neem oil manage pests effectively
1	Blackgram
	<ul style="list-style-type: none"> ● Variety, GU-1 is good and bold seeded ● Application of sulphur increased yield ● Beauveria bassiana and neem oil manage pests effectively
2	Chickpea
	<ul style="list-style-type: none"> ● 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
	Blackgram				
1	Field days	1	08-Oct-2021	43	Chadasana
2	Farmers Training	1	26-Jun-2021	34	Chadasana
		1	16-Aug-2021	24	Chadasana
3	FLD Field Visit	1	09-Jul-2021	17	Chadasana
		1	23-Jul-2021	24	Chadasana
		1	16-Aug-2021	24	Chadasana
		1	07-Oct-2021	24	Chadasana
		1	08-Oct-2021	20	Chadasana
	Chickpea				
1	Field days				
2	Farmers Training	1	25-Oct-2021	26	KVK
		1	17-Dec-2021	29	Laxmipura and Kamalpur
3	FLD Field Visit	1	27-Nov-2021	10	Kamalpur
		1	27-Nov-2021	15	Laxmipura
		1	17-Dec-2021	10	Kamalpur
		1	17-Dec-2021	15	Laxmipura
	Greengram				
1	Field day	1	10-Jun-2021	42	Samarapur
		1	10-Jun-2021	44	Sundhiya
2	Training	1	01-Mar-2021	25	KVK
		1	03-Jun-2021	24	Samrapur
3	FLD field visit	1	22-Mar-2021	10	Samarapur
		1	22-Mar-2021	6	Sundhiya
		1	07-Apr-2021	2	Vavdi (kheralu)
		1	07-Apr-2021	4	Javanpura
		1	07-Apr-2021	15	Samarapur
		1	09-Apr-2021	7	Sundhiya
		1	03-Jun-2021	16	Samarapur
		1	03-Jun-2021	4	Sundhiya
		1	10-Jun-2021	15	Samarapur
		1	10-Jun-2021	6	Sundhiya

Cotton and commercial crops

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1	Cotton	Integrated Pest Management	Beauveria bassiana, Neem Oil, Pheromone trap	Kharif 2020-21	10	10	0	25	25	-

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
Cotton (IPM)	Kharif 2020-21	Irrigated	Sandy loam	L	M	H	-	-	-	337.12	111

Technical Feedback on the demonstrated technologies

S. No	Feed Back
1	-

Farmers' reactions on specific technologies

S. No	Feed Back
1	Cotton -IPM
	<ul style="list-style-type: none"> Bio-pesticides effectively manage sucking pest and pink bollworm (21.42 % reduction in boll damage) Environmentally safety approach

Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organised	Date	Number of participants	Remarks
	Cotton-IPM				
1	Field days	1	23/10/2021	70	Laxmipura
2	Farmers Training	1	02/08/2021	29	Kamalpur
3	FLD Field Visit	2	11/09/2021, 24/08/2021	44	Kamalpur

Other Crop

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1	Fodder Sorghum	Varietal evaluation	CoFS-29	Kharif 2021-22	2.5	2.5	0	25	25	-
4	Organic farming	Organic farming	Organic inputs	Kharif 2021-22	20	20	2	48	50	-
5	Drumstic	Production of low volume and high value	PKM-1 seedling	Kharif 2021-22	-	-	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
				N	P	K					
Fodder Sorghum	Kharif 2020-21	Irrigated	Sandy loam	L	M	H	-	-	-	337.12	111
Organic farming	Rabi 2020-21	Irrigated	Sandy loam	L	M	H	-	-	-	337.12	111
Drumstic	Kharif 2020-21	Irrigated	Sandy loam	L	M	H	-	-	-	337.12	111

Technical Feedback on the demonstrated technologies

S. No	Feed Back
1	-

Farmers' reactions on specific technologies

S. No	Feed Back
1	Fodder Sorghum – CoFS-29
	✓ Good for green fodder production
2.	Organic farming
	✓ Improved soil health
	✓ Quality production
	✓ Environmentally safety approach
3.	Drumstick
	✓ PKM-1 variety is good

Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organised	Date	Number of participants	Remarks
Fodder Sorghum , CoFs-29					
1	Field Day	1	-	-	
2	Training	1	08/07/2021	32	Khara, Malarpura, Gokalgadh, Amarpura
3	Field Visit	1	-	-	-
Organic farming					
1	Field Day	-	-	-	-
2	Training	-	-	-	-
		-	-	-	-
		-	-	-	-
3	Field Visit	22	-	116	Vajapur, Sankapura, Denap etc...
Drumstick					
1	Field Day	1	30/01/2021	40	Soneripura
2	Training				
3	Field Visit	1	30/01/2021	12	Soneripura

C. Performance of Frontline demonstrations
Frontline demonstrations on oilseed crops

Crop	Thematic Area	technology demonstrated	Variety	No. of Farmers	Area (ha)	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
						Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
						High	Low	Average										
Castor																		
Castor 2020-21	Integrated Crop Management	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,	GCH-8	50	20	45.56	28.75	29.95	27.05	10.72	48743	149750	101007	3.07	49418	135250	85832	2.74
Mustard																		
Mustard 2020-21	Integrated Crop Management	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	GDM-4	75	30	26.62	18.15	21.60	17.58	22.87	27166	103680	76513	3.82	24906	84384	59478	3.39
Groundnut																		
Groundnut 2021	Integrated Crop Management	Sulphur- 20 kg, Trichoderma- 2.5 kg., PSB culture-1.25 lit, Rhizobium culture - 1.25 lit, NPK consortia 1.25 lit, Quinalphos - 2.5 Lit, Beauveria bassiana -2.4 kg, Neem Oil (10000 ppm)-1.8 ltr.	GJG-22	25	10	26.60	22.50	24.50	21.30	15.02	46146	143600	97454	3.11	45031	124440	79409	2.76
Sesamum																		
Sesamum 2020-21	Integrated Crop Management	Seed GJT-5 - 2.5 kg, Sulphur - 20 kg, Azotobactor culture - 1.25 lit, PSB culture - 1.25 Lit, Beauveria bassiana - 2.4 kg, Neem oil (10000 PPM)- 1.8 ltr, Pendimethaline - 2.5 ltr,	GJT-5	25	10	14.98	12.10	13.73	11.56	18.77	21681	123570	101889	5.70	21358	104040	82642	4.86

Frontline demonstration on pulse crops

Crop	Thematic Area	technology demonstrated	Variety	No. of Farmers	Area (ha)	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
						Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
						High	Low	Average										
Blackgram																		
Blackgram 2021-22	ICM	Seed GU 1 - 20 kg, Sulphur - 20 kg, Pendimethalin -2.5 lit, Rhizobium culture - 1.25 lit, PSB culture - 1.25 Lit, NPK consortia - 1.25, Beauveria bassiana - 2.4 k.g, Neem oil (10000 PPM)- 1.8 ltr	GU-1	25	10	6.30	5.20	6.10	5.15	18.45	21109	24400	3291	1.16	19485	20600	1115	1.06
Chickpea																		
Chickpea 2020-21	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	GJG 5	25	10	26.20	19.90	22.25	18.20	22.25	29444	111800	82356	3.80	28464	90860	62396	3.19
Greengram																		
Greengram 2020-21	ICM	Seed GNM-6 - 17.5 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, Pendimethaline - 2.5 ltr	GNM-6	25	10	11.65	8.05	9.98	7.90	26.33	31971	71660	39689	2.24	32256	56700	24444	1.76

FLD on Other crops

Category & Crop	Thematic Area	Name of the technology	No. of Farmers	Area (ha)	Yield (q/ha)			% Change in Yield	Other Parameters		Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)				
					Demo				Check	Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
					High	Low	Average												
Cereals																			
Wheat										Test weight (gram)									
Wheat 2020-21	Varietal Evaluation	Seeds of Variety GW-451 : 125 kg.	40	10	49.92	39.94	44.10	36.90	19.51	40.52	38.95	38869	99475	60606	2.56	38096	83975	45879	2.20
Vegetables																			
Tomato										% fruit damage									
Tomato 2020-21	Integrated Pest Management	Trichogramma-1.5 lac, (6 times) Beauveria bassiana - 2.4 kg, Neem Oil - 10000 ppm-1.8 lit,HNPV 450 LE	12	5	760	585	620	548	13.14	24	32	209568	697500	487932	3.33	204272	548000	343728	2.68
Chilli																			
Chilli 2020-21	Integrated Pest Management	Beauveria bassiana - 2.4 kg, Neem Oil - 10000 ppm-1.8 lit	12	5	277.90	181.35	195.80	169.56	15.48	-	-	95213	587400	492187	6.17	94850	474768	379918	5.01
Spices & condiments																			
Fennel																			
Fennel 2020-21	IPM	Beauveria bassiana - 2.4 kg, Neem Oil - 10000 ppm-1.8 lit	25	10	26.40	17.10	19.15	16.85	13.65	-	-	38055	172350	134295	4.53	38245	144910	106665	3.79
Cumin										% Disease intensity									
Cumin 2020-21	Integrated Disease Management	Propineb 70 % WP- 30 gm/10 lit water	15	6	8.05	6.80	7.48	6.65	12.48	26	30.5	29613	103224	73611	3.49	29153	91770	62617	3.15
Commercial Crops																			
Cotton										Damage boll(%)									
Cotton 2021-22	Integrated Pest Management	Beauveria bassiana - 2.4 kg, Neem Oil - Neem Oil -10000 ppm-1.8 lit, Pheromone trap - 8	25	10	21.50	15.10	15.85	14.70	7.82	16.50	21.00	45249	118875	73626	2.63	46731	110250	63519	2.36
Fodder Crops																			

Sorghum (F)																			
Fodder Sorghum 2021-22	Varietal Evaluation	Variety, COFS-29 - 6 kg	25	2.5	563	478	545	461	18.22	-	-	23564	81750	58186	3.47	23439	69150	45711	2.95

Frontline Demonstration on Nutri cereals

Crop	Thematic Area	Technology demonstrated	Variety	No. of Farmers	Area (ha)	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)					
						Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)		
						High	Low	Average												

FLD on Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of Units (Animal/Poultry/Birds, etc)	Major parameters Milk production		% change in major parameter	Other parameter		Economics of demonstration (Rs.)				Economics of check (Rs.)				
					Demo	Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)	
Cattle																		
Buffalo								Fat (%)										
Livestock 2021	Disease Management	Fenbendazole @ 3 gm/animal/6 months	20	20	9.00	8.20	9.76	-	-	64196	117350	53154	1.83	67444	107630	40186	1.60	
livestock 2021	Animal Nutrition Management	Chelated Mineral mixture - 3 kg	20	20	9.40	8.50	10.59	7.5	6.9	69815	118710	48895	1.70	72745	106875	34130	1.47	
livestock 2021	Feed Management	Probiotic - 1 kg	20	20	9.20	8.40	9.52	-	-	65477	116580	51103	1.78	68563	106860	38297	1.56	
Livestock 2021	Feed Management	Bypass protein	20	20	10.30	9.0	14.44	7.8	7.1	68235	133145	64910	1.95	70869	117350	46481	1.66	

FLD on Fisheries

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		Economics of demonstration (Rs.)				Economics of check (Rs.)				
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)	
Common Carps																		

FLD on Other enterprises

Category	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		Economics of demonstration (Rs.) or Rs./unit				Economics of check (Rs.) or Rs./unit					
				Demo	Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)		
Oyster Mushroom																		

FLD on Women Empowerment

Category	Name of technology	No. of demonstrations	Name of observations	Demonstration	Check
Women Empowerment 2020-21	Improved Sickle	20	Labour saving (Labour / qtl)	17	21

FLD on Farm Implements and Machinery

Name of the implement	Crop	Technology demonstrated	No. of Farmer	Area (ha)	Major parameters	Filed observation (output/man hour)		% change in major parameter	Labor reduction (man days)				Cost reduction (Rs./ha or Rs./Unit etc.)			
						Demo	Check		Land preparation	Sowing	Weeding	Total	Land preparation	Labour	Irrigation	Total
Wheel hoe 2020-21	Fennel	Drudgery Reduction	10	-	Labour saving	6.87	15.83	(-) 56.60	-	-	8.96	8.96	-	1792	-	1792
Dibbler 2021-22	Castor	Farm mechanization	16	-	Labour saving	3.4	5.9	(-)42.37	-	2.5	-	2.5	-	500	-	500
					Germination	95.51	94.52	1.04								
Dibbler 2021-22	Cotton	Farm mechanization	20	-	Labour saving	3.7	7	(-) 47.14	-	3.3	-	3.3	-	660	-	660
					Germination	79.99	78.00	2.55								
Secutter 2020-21	Castor	Farm mechanization	50	-	Labour saving	19.66	25	(-) 21.36		5.34 harvesting		5.34		1068	-	1068
					Drop capsule	0.8	1.9	57.89	-	-						

FLD on Other Enterprise: Kitchen Gardening

Nutrition garden components	Thematic area	Area (sq mt)	No. of Farmer	No. of Units	Yield (Kg)- supply of vegetables, fruits, etc from KG in the year		% change in yield	Household size (number)		Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
					Demonstration	Check*		Demo	Check	Gross Cost	Gross Return/Savings*	Net Return	BCR (R/C)	Gross Cost	Gross Return/Savings*	Net Return	BCR (R/C)
Seed and seedlings of vegetables and drumstick plants	Household food security by kitchen gardening	70	50	50	191	-	100	5	-	810	8450	7640	10.43	-	-	-	-

FLD on Demonstration details on crop hybrids

Crop	technology demonstrated	Hybrid Variety	No. of Farmers	Area (ha)	Yield (q/ha)			Check	% Increase in yield	Economics of demonstration (Rs./ha)						
					Demo					Gross Cost	Gross Return	Net Return	BCR (R/C)			
					High	Low	Average									
Oilseed crop																

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)

Farmers' Training including sponsored training programmes (on campus)

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		M	F	T	M	F	T	M	F	T
I Crop Production										
Weed Management										
Resource Conservation Technologies	3	106	4	110	4	2	6	110	6	116
Cropping Systems	2	73	17	90	0	0	0	73	17	90
Crop Diversification	1	0	22	22	0	0	0	0	22	22
Integrated Farming	4	114	55	169	23	12	35	137	67	204
Micro Irrigation/irrigation										
Seed production										
Nursery management										
Integrated Crop Management	10	319	20	339	14	1	15	333	21	354
Soil & water conservatioin										
Integrated nutrient management										
Production of organic inputs	1	35	0	35	4	0	4	39	0	39
Others (pl specify)										
Total	21	647	118	765	45	15	60	692	133	825
II Horticulture										
a) Vegetable Crops										
Production of low value and high valume 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										
Post harvest technology and value addition										
Others (pl specify)										
Total (g)										
GT (a-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	1	32	0	32	0	0	0	32	0	32
Nutrient Use Efficiency										
Balance use of fertilizers										
Soil and Water Testing										
Others (pl specify)										
Total	1	32	0	32	0	0	0	32	0	32
IV Livestock Production and Management										
Dairy Management	3	4	80	84	0	9	9	4	89	93
Poultry Management										
Piggery Management										
Rabbit Management										
Animal Nutrition Management	2	4	49	53	0	0	0	4	49	53
Disease Management	3	23	38	61	0	0	0	23	38	61
Feed & fodder technology										
Production of quality animal products										
Others (Feed Management)										
Total	8	31	167	198	0	9	9	31	176	207
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening										
Design and development of low/minimum cost diet	1	1	30	31	0	0	0	1	30	31
Designing and development for high nutrient efficiency diet	1	2	42	44	0	0	0	2	42	44
Minimization of nutrient loss in processing										
Processing and cooking										
Gender mainstreaming through SHGs										
Storage loss minimization techniques										
Value addition	4	3	97	100	0	0	0	3	97	100
Women empowerment										
Location specific drudgery reduction technologies										
Rural Crafts										

Women and child care	2	6	95	101	0	0	0	6	95	101
Others (pl specify)										
Total	8	12	264	276	0	0	0	12	264	276
VI Agril. Engineering										
Farm Machinery and its maintenance										
Installation and maintenance of micro irrigation systems	1	30	3	33	4	0	4	34	3	37
Use of Plastics in farming practices										
Production of small tools and implements	3	75	10	85	5	3	8	80	13	93
Repair and maintenance of farm machinery and implements	1	42	0	42	1	0	1	43	0	43
Small scale processing and value addition										
Post Harvest Technology										
Others (Soil and Water conservation)										
Total	5	147	13	160	10	3	13	157	16	173
VII Plant Protection										
Integrated Pest Management										
Integrated Disease Management										
Bio-control of pests and diseases	2	47	0	47	0	0	0	47	0	47
Production of bio control agents and bio pesticides										
Others (pl specify)										
Total	2	47	0	47	0	0	0	47	0	47
VIII Fisheries										
Integrated fish farming										
Carp breeding and hatchery management										
Carp fry and fingerling rearing										
Composite fish culture										
Hatchery management and culture of freshwater prawn										
Breeding and culture of ornamental fishes										
Portable plastic carp hatchery										
Pen culture of fish and prawn										
Shrimp farming										
Edible oyster farming										
Pearl culture										
Fish processing and value addition										
Others (pl specify)										
Total										
IX Production of Inputs at site										
Seed Production										
Planting material production										
Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production										
Organic manures production										
Production of fry and fingerlings										
Production of Bee-colonies and wax sheets										
Small tools and implements										
Production of livestock feed and fodder										
Production of Fish feed										
Mushroom Production										
Apiculture										
Others (pl specify)										

Total										
X Capacity Building and Group Dynamics										
Leadership development	1	0	39	39	0	0	0	0	39	39
Group dynamics										
Formation and Management of SHGs	2	93	7	100	7	2	9	100	9	109
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
WTO and IPR issues										
Others (pl specify)										
Total	3	93	46	139	7	2	9	100	48	148
XI Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (pl specify)										
Total										
GRAND TOTAL	49	1019	608	1627	62	29	91	1081	637	1718

Farmers' Training including sponsored training programmes (off campus)

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		M	F	T	M	F	T	M	F	T
I Crop Production										
Weed Management	1	31	0	31	0	0	0	31	0	31
Resource Conservation Technologies										
Cropping Systems										
Crop Diversification										
Integrated Farming										
Micro Irrigation/irrigation										
Seed production										
Nursery management										
Integrated Crop Management	5	130	19	149	0	0	0	130	19	149
Soil & water conservatioin	4	89	8	97	0	0	0	89	8	97
Integrated nutrient management	3	82	26	108	0	0	0	82	26	108
Production of organic inputs	2	63	12	75	3	0	3	66	12	78
Others (pl specify)										
Total	15	395	65	460	3	0	3	398	65	463
II Horticulture										
a) Vegetable Crops										
Production of low value and high valume crops										
Off-season vegetables	1	2	33	35	0	1	1	2	34	36
Nursery raising										
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation										
Others (pl specify)										
Total (a)	1	2	33	35	0	1	1	2	34	36
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										
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)										
GT (a-g)										
III Soil Health and Fertility Management										
Soil fertility management	1	23	4	27	0	0	0	23	4	27
Integrated water management										
Integrated Nutrient Management - CP										
Production and use of organic inputs										
Management of Problematic soils										
Micro nutrient deficiency in crops										
Nutrient Use Efficiency										
Balance use of fertilizers	1	37	0	37	0	0	0	37	0	37
Soil and Water Testing										
Others (pl specify)										
Total	2	60	4	64	0	0	0	60	4	64
IV Livestock Production and Management										
Dairy Management										
Poultry Management										
Piggery Management										
Rabbit Management										
Animal Nutrition Management	4	18	58	76	0	14	14	18	72	90
Disease Management	4	32	77	109	0	1	1	32	78	110
Feed & fodder technology	2	15	33	48	0	0	0	15	33	48
Production of quality animal products										
Others (Feed management)										
Total	10	65	168	233	0	15	15	65	183	248
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	3	4	61	65	0	0	0	4	61	65
Design and development of low/minimum cost diet	1	0	23	23	0	0	0	0	23	23

Designing and development for high nutrient efficiency diet	2	0	25	25	0	25	25	0	50	50
Minimization of nutrient loss in processing	1	0	26	26	0	0	0	0	26	26
Processing and cooking										
Gender mainstreaming through SHGs										
Storage loss minimization techniques										
Value addition	3	4	74	78	0	0	0	4	74	78
Women empowerment										
Location specific drudgery reduction technologies	2	2	21	23	0	0	0	2	21	23
Rural Crafts										
Women and child care	4	3	113	116	0	0	0	3	113	116
Others (pl specify)										
Total	16	13	343	356	0	25	25	13	368	381
VI Agril. Engineering										
Farm Machinery and its maintenance										
Installation and maintenance of micro irrigation systems										
Use of Plastics in farming practices	2	36	26	62	3	0	3	39	26	65
Production of small tools and implements	3	65	36	101	1	0	1	66	36	102
Repair and maintenance of farm machinery and implements	1	12	6	18	8	0	8	20	6	26
Small scale processing and value addition										
Post Harvest Technology	1	25	9	34	1	4	5	26	13	39
Others (Soil and water conservation)										
Total	7	138	77	215	13	4	17	151	81	232
VII Plant Protection										
Integrated Pest Management	8	192	3	195	2	1	3	194	4	198
Integrated Disease Management	1	29	0	29	0	0	0	29	0	29
Bio-control of pests and diseases	2	61	2	63	0	0	0	61	2	63
Production of bio control agents and bio pesticides										
Others (pl specify)										
Total	11	282	5	287	2	1	3	284	6	290
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- AH										
Organic manures production-CP										
Production of fry and fingerlings										
Production of Bee-colonies and wax sheets										

Small tools and implements										
Production of livestock feed and fodder										
Production of Fish feed										
Mushroom Production										
Apiculture										
Others (pl specify)										
Total										
X Capacity Building and Group Dynamics										
Leadership development	1	21	0	21	0	0	0	21	0	21
Group dynamics	2	35	2	37	0	0	0	35	2	37
Formation and Management of SHGs										
Mobilization of social capital	2	58	0	58	0	0	0	58	0	58
Entrepreneurial development of farmers/youths	1	46	11	57	5	0	5	51	11	62
WTO and IPR issues										
Others (pl specify)										
Total	6	160	13	173	5	0	5	165	13	178
XI Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (pl specify)										
Total										
GRAND TOTAL	68	1115	708	1823	23	46	69	1138	754	1892

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

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		M	F	T	M	F	T	M	F	T
I Crop Production										
Weed Management	1	31	0	31	0	0	0	31	0	31
Resource Conservation Technologies	3	106	4	110	4	2	6	110	6	116
Cropping Systems	2	73	17	90	0	0	0	73	17	90
Crop Diversification	1	0	22	22	0	0	0	0	22	22
Integrated Farming	4	114	55	169	23	12	35	137	67	204
Micro Irrigation/irrigation										
Seed production										
Nursery management										
Integrated Crop Management	15	449	39	488	14	1	15	463	40	503
Soil & water conservatiion	4	89	8	97	0	0	0	89	8	97
Integrated nutrient management	3	82	26	108	0	0	0	82	26	108
Production of organic inputs	1	35	0	35	4	0	4	39	0	39
Others (pl specify)										
Total	34	979	171	1150	45	15	60	1024	186	1210
II Horticulture										
a) Vegetable Crops										
Production of low value and high valume crops										
Off-season vegetables	1	2	33	35	0	1	1	2	34	36
Nursery raising										
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation										
Others (pl specify)										
Total (a)	1	2	33	35	0	1	1	2	34	36
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										
Post harvest technology and value addition										
Others (pl specify)										
Total (g)										
GT (a-g)										
III Soil Health and Fertility Management										
Soil fertility management	1	23	4	27	0	0	0	23	4	27
Integrated water management										
Integrated Nutrient Management										
Production and use of organic inputs	2	63	12	75	3	0	3	66	12	78
Management of Problematic soils										
Micro nutrient deficiency in crops	1	32	0	32	0	0	0	32	0	32
Nutrient Use Efficiency										
Balance use of fertilizers	1	37	0	37	0	0	0	37	0	37
Soil and Water Testing										
Others (pl specify)										
Total	5	155	16	171	3	0	3	158	16	174
IV Livestock Production and Management										

Dairy Management	3	4	80	84	0	9	9	4	89	93
Poultry Management										
Piggery Management										
Rabbit Management										
Animal Nutrition Management	6	22	107	129	0	14	14	22	121	143
Disease Management	7	55	115	170	0	1	1	55	116	171
Feed & fodder technology	2	15	33	48	0	0	0	15	33	48
Production of quality animal products										
Others (Feed management)										
Total	18	96	335	431	0	24	24	96	359	455
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	3	4	61	65	0	0	0	4	61	65
Design and development of low/minimum cost diet	2	1	53	54	0	0	0	1	53	54
Designing and development for high nutrient efficiency diet	3	2	67	69	0	25	25	2	92	94
Minimization of nutrient loss in processing	1	0	26	26	0	0	0	0	26	26
Processing and cooking										
Gender mainstreaming through SHGs										
Storage loss minimization techniques										
Value addition	7	7	171	178	0	0	0	7	171	178
Women empowerment										
Location specific drudgery reduction technologies	2	2	21	23	0	0	0	2	21	23
Rural Crafts										
Women and child care	6	9	208	217	0	0	0	9	208	217
Others (pl specify)										
Total	24	25	607	632	0	25	25	25	632	657
VI Agril. Engineering										
Farm Machinery and its maintenance										
Installation and maintenance of micro irrigation systems	1	30	3	33	4	0	4	34	3	37
Use of Plastics in farming practices	2	36	26	62	3	0	3	39	26	65
Production of small tools and implements	6	140	46	186	6	3	9	146	49	195
Repair and maintenance of farm machinery and implements	2	54	6	60	9	0	9	63	6	69
Small scale processing and value addition										
Post Harvest Technology	1	25	9	34	1	4	5	26	13	39
Others (Soil and water conservation)										
Total	12	285	90	375	23	7	30	308	97	405
VII Plant Protection										
Integrated Pest Management	8	192	3	195	2	1	3	194	4	198
Integrated Disease Management	1	29	0	29	0	0	0	29	0	29
Bio-control of pests and diseases	4	108	2	110	0	0	0	108	2	110
Production of bio control agents and bio pesticides										
Others (pl specify)										
Total	13	329	5	334	2	1	3	331	6	337
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	2	21	39	60	0	0	0	21	39	60
Group dynamics	2	35	2	37	0	0	0	35	2	37
Formation and Management of SHGs	2	93	7	100	7	2	9	100	9	109
Mobilization of social capital	2	58	0	58	0	0	0	58	0	58
Entrepreneurial development of farmers/youths	1	46	11	57	5	0	5	51	11	62
WTO and IPR issues										
Others (pl specify)										
Total	9	253	59	312	12	2	14	265	61	326
XI Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (pl specify)										
Total										
GRAND TOTAL	117	2134	1316	3450	85	75	160	2219	1391	3610

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

Area of training	No. of Courses	No. of Participants								
		General/ Other			SC/ST			Grand Total		
		M	F	T	M	F	T	M	F	T
Nursery Management of Horticulture crops										
Training and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming										
Seed production										
Production of organic inputs										
Planting material production										
Vermi-culture										
Mushroom Production										
Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery and implements										
Value addition	1	10	53	63	0	0	0	10	53	63
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 (Soil and Water Testing)	3	43	7	50	13	7	20	56	14	70
TOTAL	4	53	60	113	13	7	20	66	67	133

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

Area of training	No. of Courses	No. of Participants								
		General/ Other			SC/ST			Grand Total		
		M	F	T	M	F	T	M	F	T
Nursery Management of Horticulture crops										
Training and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming										
Seed production										
Production of organic inputs	1	29	0	29	1	0	1	30	0	30
Planting material production										
Vermi-culture										
Mushroom Production										
Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery and implements										
Value addition	1	0	21	21	0	0	0	0	21	21
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	29	21	50	1	0	1	30	21	51

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

Area of training	No. of Courses	No. of Participants								
		General/ Other			SC/ST			Grand Total		
		M	F	T	M	F	T	M	F	T
Nursery Management of Horticulture crops										
Training and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming										
Seed production										
Production of organic inputs	1	29	0	29	1	0	1	30	0	30
Planting material production										
Vermi-culture										
Mushroom Production										
Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery and implements										
Value addition	2	10	74	84	0	0	0	10	74	84
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)	3	43	7	50	13	7	20	56	14	70
TOTAL	6	82	81	163	14	7	21	96	88	184

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

Area of training	No. of Courses	No. of Participants								
		General/ Other			SC/ST			Grand Total		
		M	F	T	M	F	T	N	F	T
Productivity enhancement in field crops	3	64	46	110	2	17	19	66	63	129
Integrated Pest Management	4	102	44	146	3	15	18	105	59	164
Integrated Nutrient management										
Rejuvenation of old orchards										
Protected cultivation technology										
Production and use of organic inputs										
Care and maintenance of farm machinery and implements										
Gender mainstreaming through SHGs										
Formation and Management of SHGs										
Women and Child care	1	1	49	50	0	6	6	1	55	56
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 (Integrated Crop Management)	2	25	38	63	5	14	19	30	52	82
TOTAL	10	192	177	369	10	52	62	202	229	431

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

Area of training	No. of Courses	No. of Participants								
		General/ Other			SC/ST			Grand Total		
		M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops										
Integrated Pest Management										
Integrated Nutrient management										
Rejuvenation of old orchards										
Protected cultivation technology										
Production and use of organic inputs (AS+PP)										
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 (Vermi-compost production)	1	23	4	27	0	0	0	23	4	27
TOTAL	1	23	4	27	0	0	0	23	4	27

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

Area of training	No. of Courses	No. of Participants								
		General/ Other			SC/ST			Grand Total		
		M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops	3	64	46	110	2	17	19	66	63	129
Integrated Pest Management	4	102	44	146	3	15	18	105	59	164
Integrated Nutrient management										
Rejuvenation of old orchards										
Protected cultivation technology										
Production and use of organic inputs										
Care and maintenance of farm machinery and implements										
Gender mainstreaming through SHGs										
Formation and Management of SHGs										
Women and Child care	1	1	49	50	0	6	6	1	55	56
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 (Integrated Crop Management)	2	25	38	63	5	14	19	30	52	82
Any other (Vermi-compost production)	1	23	4	27	0	0	0	23	4	27
TOTAL	11	215	181	396	10	52	62	225	233	458

Sponsored training programmes

Area of training	No. of Courses	No. of Participants								
		General/ Other			SC/ST			Grand Total		
		M	F	T	M	F	T	M	F	T
Crop production and management										
Increasing production and productivity of crops										
Commercial production of vegetables										
Integrated crop management	1	15	30	45	0	14	14	15	44	59
Integrated nutrient management										
Production of organic input	1	35	0	35	4	0	4	39	0	39
Productivity enhancement in field crops										
Cropping system	2	73	17	90	0	0	0	73	17	90
Integrated Farming	1	19	13	32	0	0	0	19	13	32
Integrated Farming system	3	95	42	137	23	12	35	118	54	172
Resource conservation technology	2	79	0	79	4	0	4	83	0	83
Production and value addition										
Fruit Plants										
Ornamental plants										
Spices crops										
Soil health and fertility management										
Soil fertility management										
Production of Inputs at site										
Methods of protective cultivation										
Productivity enhancement in field crops	1	15	30	45	0	14	14	15	44	59
Total	11	331	132	463	31	40	71	362	172	534
Post harvest technology and value addition										
Processing and value addition										
Others (pl. specify)										
Total										
Farm machinery										
Farm machinery, tools and implements										
Installation and maintenance of micro irrigation system										
Small scale processing and value addition										

Production of small tools and implements										
Soil and Water conservation										
Total										
Livestock and fisheries										
Livestock production and management										
Animal Nutrition Management										
Animal Disease Management										
Fisheries Nutrition										
Fisheries Management										
Dairy management	2	0	78	78	0	0	0	0	78	78
Live stock feed and fodder production										
Vermiculture										
Feed Management	2	0	78	78	0	0	0	0	78	78
Total										
Home Science										
Household nutritional security										
Economic empowerment of women										
Drudgery reduction of women										
Value addition	1	0	40	40	0	0	0	0	40	40
Total	1	0	40	40	0	0	0	0	40	40
Agricultural Extension										
CapacityBuilding and Group Dynamics										
Formation and management of SHGs										
Leadership development	1	0	39	39	0	0	0	0	39	39
Others (Enterpreneurial Development of farmer/youths)	1	46	11	57	5	0	5	51	11	62
Total	2	46	50	96	5	0	5	51	50	101
Horticulture										
Production and management technology										
Off season vegetables	1	2	33	35	0	1	1	2	34	36
Total	1	2	33	35	0	1	1	2	34	36
Plant protection										
Integrated Pest Management	2	54	30	84	1	14	15	55	44	99
Integrated Disease Management										
Organic farming										
Total	2	54	30	84	1	14	15	55	44	99
GRAND TOTAL	19	433	363	796	37	55	92	470	418	888

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

Area of training	No. of Courses	No. of Participants								
		General/ Other			SC/ST			Grand Total		
		M	F	T	M	F	T	M	F	T
Crop production and management										
Commercial floriculture										
Commercial fruit production										
Commercial vegetable production										
Integrated crop management										
Organic farming										
Seed production										
Others (pl. specify)										
Post harvest technology and value addition										
Value addition										
Others (pl. specify)										
Livestock and fisheries										
Dairy farming										
Composite fish culture										
Sheep and goat rearing										
Piggery										
Poultry farming										
Vermiculture										
Others (pl. specify)										

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 (Production of organic inputs)	1	29	0	29	1	0	1	30	0	30
Agricultural Extension										
Capacity building and group dynamics										
Others (pl. specify)										
Home Science										
Value addition	1	0	21	21	0	0	0	0	21	21
Grand Total	2	29	21	50	1	0	1	30	21	51

3.5. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
Advisory Services (Other than KMAS)	1350	1350		1350
Diagnostic visits	49	178		178
Field Day	40	1667		1667
Group discussions	9	125		125
Kisan Ghosthi	7	524		524
Film Show	6	193	5	198
Exhibition / Workshop / Seminar	6	668	0	668
Scientists' visit to farmers field	0	0		0
Plant/animal health camps	0	0		0
Method Demonstrations	8	242		242
Celebration of important days	15	5318		5318
Exposure visits	0	0		0
Farmers visit to KVK and Farm	69	1752	23	1775
FLD Field visit	125	1348		1348
OFT Field visit	19	160		160
Lecture delivered as resource person	141	6520	129	6649
Radio Talk	3	157		157
SMS Sent to farmer	10	186581		186581
Soil Sample analysis	230	275		275
Water Sample analysis	24	52		52
Plant Sample	22	22		22
Total	2133	207132	157	207289

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

Details of other extension programmes

Particulars	Number
Electronic Media (CD/DVD)	8
Extension Literature	2
Newspaper coverage and press release	16

Popular articles	6
Radio Talks	3
TV Talks	0
Animal health camps (Number of animals treated)	0
Others (Research paper)	0
Book/ Newsletter	1
Training materials - Educational Chart	0
Social Media (No. of platforms Used) (Youtube, FB, Whatsapp, Twitter)	4
Total	40

3.6 Online activities during year 2021

S. No.	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
A	Farmers training				
1	Animal Science	Google meet	Take care of milking animal in summer season	1	15
2	Plant Protection	Google meet	Improved practices for pest and disease management in cotton	1	42
3	Agricultural Engineering	Google meet	Online Training on Efficient Use Of Water in cotton Crop	1	42
4	Extension Education	Google meet	Formation and promotion of farmers producers organisations	1	74
5	Crop Production	Google meet	Agroforestry - Scientific cultivation of forest crops	1	51
6	Crop Production	Google meet	Agroforestry - Scientific cultivation of forest crops	1	77
7	Crop Production	Google meet	Agroforestry - Scientific cultivation of forest crops	1	44
8	Crop Production	Google meet	Advance planning for cotton cultivation	1	48
9	Home Science	Google meet	Preparation of Mango squash, Jam and Pickle	1	30
10	Crop Production	Google meet	Pre-sowing management in cotton cultivation	1	51
11	Animal Science	Google meet	Disease management in dairy animals	1	24
12	Agricultural Engineering	Google meet	Irrigation management and small improved farm implements use for cotton cultivation	1	38
13	Animal Science	Google meet	Health and hygiene management of dairy animals	1	20
14	Home Science	Google meet	Value addition in tomato	1	11
15	Crop Production	Google meet	Pre sowing management in cotton cultivation	1	67
16	Crop Production	Google meet	Scientific cultivation of Bt cotton	1	59
17	Plant Protection	Google meet	Pests and diseases management practices in cotton crop	1	59
18	Agricultural Engineering	Google meet	Sustainable practices of IWM in cotton	1	59
19	Home Science	Google meet	Online training on self employment opportunities	1	63

	Total			19	874
B	Farmers scientist's interaction programme				
1					
	Total				
C	Farmers seminars				
1					
	Total				
D	Expert lectures				
1	Expert lectures	IFFCO - Seminar		2	338
	Total				
E	Any other				
1	Celebration of Important day	Google Meet	World Milk Day World Honeybee Day World Technology Day	1 1 1	38 52 52
	Total				
	Grand Total (A+B+C+D+E)			24	1354

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

Production of seeds by the KVKs

Crop	Name of the crop	Name of the Variety	Name of the hybrid	Quantity of the seed Production(q)	Value (Rs)	Number Farmer
Cereal			-			
	Wheat	GW-451	-	36.67	90150.00	77
	Wheat	GW-496	-	28.00	66000.00	33
	Wheat	GW-499	-	2.00	4375.00	6
	Wheat	GW-11	-	3.62	6233.00	1
Oilseed			-			
	Mustard	GDM-4	-	4.00	33662	88
Pulse	Greengram	GNM-6	-	0.05	350.00	1
Commercial Crop						
Vegetables						
Flower crops						
Spices						
Fodder crop seed						
Fiber crops						
Forest species						
Other		-	-			
Total				74.34	200770	206

Production of planting materials by the KVK

Crop	Name of the crop	Name of the Variety	Name of the hybrid	Number	Value (Rs)	Number Farmer
Commercial Crop						
Vegetable seedlings						
Fruits						
Ornamental plants						
Medicinal and Aromatic	-	-	-	-	-	-
Plantation	-	-	-	-	-	-
Spices						
Tuber						
Fodder crop sappling						
Forest species	Drumstick	PKM-1	-	378	4778.00	57
Total				378	4778.00	57

Production of Bio-Products

Bio Product	Name of the Bio Product	Quantity Kg	Value (Rs.)	No. of Farmer
Bio Fertilizers	Jeevamrut	800 ltr	00	Farm Use
Bio Pesticide	-	-	-	-
Bio Fungicide	-	-	-	-
Bio Agent	-	-	-	-
Other	Vermicompost	3140	18838	6
	Vermi worm	651	162825	35
	Azolla	24	1200	16
Total			182863	57

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 2021 – December 2021), 17 th volume	500 copies

B. Literature developed/published

Item	Title	Authors name	Number
Literature			
1	Farmers producer organization	Shri M .R .Patel, Dr. R A Patel	5000
2	Gau ni vaigyanik kheti padhhati	Shri B K Patel,Dr. R A Patel	3000
Research Article			
Popular Article			
1	Azolla - Ek kudrati pashu aahar	Dr.S M Soni,Dr. R A Patel,	
2	Masala Pakoma Kapni Pachinu Vayvasthapan ane Mulyavardhan	Mr. R A Kachhadia,Shri B K Patel,Dr. R A Patel	
3	Sargvo ek laabh anek	Miss. Babita. R.,Dr. R A Patel,-	
4	Kitchen garden-surakhshit poshan nu aadhar	Miss. Babita. R.,Dr. R A Patel,-	
5	Kheti Pakoma Mulching no Upyog	Mr. R A Kachhadia,Shri B K Patel,Dr. R A Patel	
6	Bij Vavni ane Aantarkhedma Upyogi Sudharel Nana Khet Ojaro	Mr. R A Kachhadia,Shri B K Patel,Dr. R A Patel	
News paper Coverage/Press Release			
10-Mar-2021	Ganpat University-Krishi Vigyan Kendra dwara Mahila Diwas ni Ujvani	Team	
06-May-2021	Ganpat University na sathapna dine kvk dwara talim yojay	Team	
27-Dec-2021	Jantunasak davaona upayog ange jilla ma pratham vakhat talim apai	Team	
16-Feb-2021	FPO ni rachana karvama KVK ganpat university e pahel kari	Team	
17-Feb-2021	Kherva KVK dhwara FOP ni rachna karai	Team	
25-Feb-2021	Rajyama ekmatra kadina 14 gamoma 200 heceterma siyalu bajri kapnina aare	Dr. R A Patel	
08-Mar-2021	Ganpat university krishi vigyan kendra dwara vishva mahila divas in ujavani karai	Team	
22-Mar-2021	Jal e jivan na nara sathe ganpat university krishi vigyan kendra dwara vishv pani divasni ujavani karai	Team	
01-Apr-2021	Kherva Krushivigyan kendra dwara viswa jal divas ni ujavani	Team	
05-May-2021	Krishi Vigyan Kendra, Ganpat University na Sathapna Din Nimite Kapasna Pak par Vistarani Karyakaroni Talim Yojay	Team	
22-May-2021	Kapasni Khetima Upyogi Eva Nana Khet Ojaro ane Piyat Vayvathapan par Ek Divasiy Online Karyakram yojayo	Team	
05-Jun-2021	kHERVA KRISHI VIGYAN KENDRA KHATE VISVA DUDH DIVASNI UJAVANI	Team	
18-Jun-2021	Ganpat University Mehsana Dwara Roof Top Water Harvesting Technology Vishay upar ek Divshiy Talim Karyakram Yojayo	Team	
10-Aug-2021	krushi vigyan kendra ganpat university mehsana dhwara kahoda gam mukame FPO par talim yojai	Shri M R Patel	
19-Aug-2021	KVK Mehsana e 16-22 august 2021 darmyan parthenium jagruti saptah ni ujavni kari	Team	
24-Dec-2021	krishi vigyan kendra khate mahesana jilla na insecticide dealers ane distributors mate insecticide management no 12 divas no talim karyakram yojayo	Team	
TOTAL	Publication : 24		

C. Details of Electronic Media Produced

S. No.	Type of media (CD / VCD / DVD/ Audio-Cassette)	Title of the programme	Number
1	YouTube video	Subsidy Scheme for milking Animals	1
2	YouTube video	Management of Mealybug in Cotton	1
3	YouTube video	Root rot and termite management in Cotton	1
4	YouTube video	Success story of Brinjal - Mahendrabhai patel	1
5	YouTube video	Takecare of animal in hurricane situation	1
6	YouTube video	Pest and disease management in cotton	1
7	YouTube video	Disease management in Cotton	1
8	YouTube video	Subsidy Scheme for tractor Purchase	1

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	517
2	Facebook page/ Account	KVKMehsana	1557
3	Mobile Apps	-	-
4	WhatsApp groups	Group -26	665
5	Twitter Account	@KVKMEHSANA1	149
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 Pulses - Chickpea - 2020-21 Patel Pravinbhai Ishwarbhai
Success Story -2	CFLD Pulses - Greengram - 2020-21 Patel Prahladbhai Motiram
Success Story -3	CFLD -Oilseed Castor - 2020-21 Patel Somabhai Sankarbhai
Success Story -4	CFLD - Oilseed Mustard - 2020-21 Patel Rambhai Mohanbhai
Success Story -5	CFLD - Oilseed Sesamum - 2020-21 Patel Chandubhai Manilal
Success Story -6	CFLD -Oilseed Groundnut - 2021-22 Patel Pareshbhai Manilal
Success Story -7	Mulching technology increased Watermelon Production and farmer income-2021 Patel Jaytibhai Madhavlal
Success Story -8	DFI-110 (List enclosed)

Success story -1: CFLD Pulses - Chickpea - 2020-21 Season : Rabi

Name of KVK Mehsana

Crop and Variety Chickpea, GJG-5

Name of farmer & Address **Patel Pravinbhai Ishwarbhai**
Village - Kuvasana, Ta- Visnagar,
Dist- Mehsana,

Details of technology demonstrated Mobile No. 9099227481



Critical inputs	Name of critical input	Quantity	Value (Rs.)
Seeds - Chickpea	Variety : GJG-5	60 kg	6300.00
Fertilizers (Organic and inorganic)	Rhizobium culture	1.25lit	157.50
	PSB culture	1.25 lit	157.50
Micronutrient	Sulphur	20 kg	600.00
Bio-products	HNPV	450 LE	675.00
Pest Management	Pheromone trap	10 nos	400.00
	Beauveriabassiana	2.4 kg	360.00
	Neem oil 10000ppm)	1.8 lit	1530.00
	Trichoderma	2.5 kg	337.5

Institutional Involvement

- 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.

Success Point

- GJG-5 variety of chickpea is bold seeded, recommended by JAU, Junagadh for Gujarat.
- Market value of this variety also found high.
- Use of HNPV 450 LE, Pheromone trap, Beauveria bassiana, Neem oil (10000ppm) for management of pod borer- heliothis

Farmer Feedback

- Variety GJG-5 is high yielding
- Grains lustre is good
- HNPV, Pheromone trap, Beauveria bassiana, Neem oil (10000ppm) manage pod borer effectively

Yield (q/ha)

Demonstration : 26.20

Potential yield of variety/technology : 33.92

District average : 12.85

State average : 12.85

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	18.20	28464	90860	62396	3.19
Demonstration	26.20	29444	125760	96316	4.27
% Increase	43.96	3.44	38.41	54.36	

Description of the results: As per performance of improved technology found that 43.96 % increase in yield and got net returns 96316 Rs./ha. Farmer got 54.36 % 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 - 2 : CFLD Pulses - Greengram - 2020-21 Season: Summer

Name of KVK Mehsana

Crop and Variety Greengram, GNM-6

Name of farmer & Address **Patel Prahladbhai Motiram**
Village - Sundhiya, Ta- Vadnagar,

Details of technology demonstrated Dist- Mehsana,
Mobile No. 9825440647



Critical inputs	Name of critical input	Quantity
Seeds - Greengram	GNM-6	17.5 kg
Fertilizers (Organic and inorganic)	Sulphur	20 kg
Bio-products	Rhizobium culture, PSB culture	1.25 lit
Pest Management	Beauveria bassiana	2.4 k.g,
	Neem oil (10000 PPM)	1.8 ltr
Weed management	Pendimethaline	2.5 ltr

Institutional Involvement

- 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.

Success Point

- GNM-6 variety of greengram is bold seeded, recommended by NAU, Navsari for Gujarat.
- Market value of this variety also found high.
- Neem oil and Beauveria bassiana manage pests
- Variety GNM-6 is high yielding
- Grains lustre is good
- Beauveria bassiana, Neem oil (10000ppm) manage pests effectively

Farmer Feedback

Yield (q/ha)

Demonstration : 11.65

Potential yield of variety/technology : 9.71

District average : 6.00

State average : 5.70

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	7.90	32256	56700	24444	1.76
Demonstration	11.65	31971	81550	49579	2.55
% Increase	47.46	(-) 0.8	43.83	102.26	

Description of the results: As per performance of improved technology found that 47.46 % increase in yield and got net returns 49579 Rs./ha. Farmer got 102.26 % 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 as well as eco-friendly approach

Photographs



FLD Field visit




Field day



Off campus Meeting

**Success story - 3 :CFLD -Oilseed Castor - 2020-21
Season : Kharif**

Name of KVK	Mehsana	
Crop and Variety	Castor , GCH-8	
Name of farmer & Address	Patel Somabhai Sankarbhai Village - Kamli, Ta - Unjha, Dist-Mehsana Mobile No. : 9376829749	
Details of technology demonstrated	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,	
Institutional Involvement	<ul style="list-style-type: none">• Training• Dissemination of technology• Method demonstration• Continuous field visit• Organize field days	
Success Point	<ul style="list-style-type: none">• Higher yield• Improved quality of grains• Effectively manage of pests as well as diseases with eco-friendly approach	
Farmer Feedback	<ul style="list-style-type: none">• Suitability to their farming system : Yes (Good)• Likings (Preference) : Good• Affordability : Good• Is Technology Acceptable to all in the group/Village : Yes• Yield performance : Very Good	
Yield (q/ha)	Demonstration : 45.56 Potential yield of variety/technology : 36.80 District average : 24.56 State average : 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	27.05	49418	135250	85832	2.74
Demonstration	45.56	48743	227800	179057	4.67
% Increase	68.43	(-)1.37	68.43	108.61	--

Description of the results: As per performance of improved technology found that 68.43 % increase in yield and got net returns 179057 Rs./ha. Farmer got 108.61 % 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



Off campus training program



Field day

**Success story - 4 :CFLD -Oilseed Mustard - 2020-21
Season : Rabi**

Name of KVK Mehsana

Crop and Variety Mustard , GDM - 4

Name of farmer &
Address Patel Rambhai Mohanbhai
Village - Kanoda, Ta- Becharaji, Dist- Mehsana,
Mobile No. 7990396430



Details of technology demonstrated

- GDM – 4 variety @ 3.5 kg seed / ha was demonstrated
- Correction of deficiency of Sulphur by application of Sulphur 40 kg / ha at sowing time
- Weed control measures by pre – emergence application of Pendimethalin 2.5 lit / ha
- Monitoring and control of sucking pest by the use of Yellow Sticky trap 10 nos and spray of Beauveria bassiana 40gm, Neem oil 30 ml /10 liter water

Institutional Involvement

- 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, world soil day telephonic guidance were provided to farmers
- Field day was conducted on farmer’s field just before harvesting of Mustard and got feedback from farmers.

Success Point

- GDM-4 variety of Mustard is bold seeded, recommended by SDAU, Dantiwada for Gujarat.
- Market value of this variety also found high.
- Use of pendimethalin 2.5 lit / ha reduce weed infestation upto 40 days
- Installation of yellow sticky trap at the time of flowering and spray of Beauveria bassiana 40gm/10 litre water helps to control of aphids
- Variety GDM-4 is high yielding

Farmer Feedback

- Grains is bold and dark black in colour
- Yellow sticky trap and Beauveria bassiana manage aphids effectively

Yield (q/ha)

Demonstration	26.62
Potential yield of variety/technology	28.28
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	17.58	24906	84384	59478	3.39
Demonstration	26.62	27167	127776	100609	4.70
% Increase	51.42	9.08	51.42	69.15	-

Description of the results: As per performance of improved technology found that 51.42 % increase in yield and got net returns 100609 Rs./ha. Farmer got 69.15 % 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 luster of grains. Farmer also used biopesticides so he got good management of pests and disease as well as eco-friendly approach

Photographs



Field Visit



Off campus training and technology dissemination



Field day on Mustard

Success story - 5 :CFLD - Oilseed Sesamum - 2020-21
Season : Summer

Name of KVK Mehsana
 Crop and Variety Sesamum, GJT-5
 Name of farmer &
 Address Patel Chandubhai Manilal
 Village - Dhanpura, Ta- Vijapur, Dist- Mehsana,
 Mobile No. 9574745710



- Details of technology demonstrated
- Seed GJT-5 - 2.5 kg, Sulphur - 20 kg, Azotobactor culture - 1.25 lit, PSB culture - 1.25 Lit, Beauveria bassiana - 2.4 kg, Neem oil (10000 PPM)- 1.8 ltr, Pendimethaline - 2.5 ltr,
- Institutional Involvement
- 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, world soil day telephonic guidance were provided to farmers
 - Field day was conducted on farmer's field just before harvesting of Sesamum and got feedback from farmers.
- Success Point
- GJT-5 variety of Sesamum is bold seeded, recommended by JAU Junagadh for Gujarat.
 - Market value of this variety also found high.
 - Use of pendimethalin 2.5 lit / ha reduce weed infestation upto 40 days
 - Spray of Beauveria bassiana 40gm/10 litre water and neem oil 30 ml / 10 litre water helps to control of pests
 - Variety GJT-5 is high yielding
- Farmer Feedback
- Grains is bold and white in colour
 - Neem oil and Beauveria bassiana manage pests effectively

Yield (q/ha)

Demonstration 14.98

Potential yield of variety/technology 23.44

District average 7.05

State average 6.04

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	11.56	21398	104040	82642	4.86
Demonstration	14.98	21681	134820	113139	6.22
% Increase	29.58	1.32	29.58	36.90	-

Description of the results: As per performance of improved technology found that 29.58 % increase in yield and got net returns 113139 Rs./ha. Farmer got 36.90 % 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 luster of grains. Farmer also used biopesticides so he got good management of pests and disease as well as eco-friendly approach

Photographs



Field Day



Off campus training and technology dissemination



On campus Training and Technology Dissemination

**Success story - 6 :CFLD -Oilseed Groundnut - 2021-22
Season : Kharif**

Name of KVK Mehsana
Crop and Variety Groundnut, GJG-22



Name of farmer & Address Patel Pareshbhai Manilal
Village - Laxmipura, Ta -Visnagar, Dist-Mehsana
M.No. : 9427327145

Details of technology demonstrated Sulphur- 20 kg, Trichoderma- 2.5 kg.,PSB culture-1.25 lit, Rhizobium culture - 1.25 lit, NPK consortia 1.25 lit, Quinalphos - 2.5 Lit, Beauveria bassiana -2.4 kg, Neem Oil (10000 ppm)-1.8 ltr.

Institutional Involvement • Training
• Dissemination of technology
• Method demonstration
• Continuous field visit
• Organize field days

Success Point • Higher yield
• Improved quality of grains

Farmer Feedback • Effectively manage of pests as well as diseases with eco-friendly approach

Farmer Feedback • Suitability to their farming system : Yes (Good)
• Likings (Preference) : Good
• Affordability : Good
• Is Technology Acceptable to all in the group/Village : Yes
• Yield performance : Very Good

Yield (q/ha)

Demonstration	: 26.60
Potential yield of variety/technology	: 27.26
District average	: 21.26
State average	: 24.40

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	21.30	45031	124440	79409	2.76
Demonstration	26.60	46146	154730	108584	3.35
% Increase	24.88	2.47	24.34	36.74	

Description of the results: As per performance of improved technology found that 24.88 % increase in yield and got net returns 108584 Rs./ha. Farmer got 36.74 % 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



Off campus training program



Field day

Success story - 7 : Mulching technology increased Watermelon Production and farmer income-2021

Name : Patel Jayantibhai Madhavlal
 Village : Kahipur
 Taluka : Vadnagar
 Age : 49
 Qualification : 10th Std.
 Land : 6 ha
 Contact no : 9724863707



Shri Jayantibhai Madhavlal Patel resident of village Kahipur, Ta. Vadnagar which is 45 km away from KVK Mehsana. He is progressive and innovative farmer. He always interested to adopt new innovation in agriculture.

He participated in training programme on “Use of plastic mulch film practices on watermelon crop” at Visnagar in the year 2021. He was fully convinced to start cultivation of watermelon with adoption of drip irrigation and plastic mulch film. First year, he produced 48.8 tonnes watermelon and his production getting higher price due to better size, shape, shining and also sugar percentage of watermelon. He also sold 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 20 micron plastic mulch film with MIS
- 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 cultivation of watermelon.
 - 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, `app group, telephonic guidance were provided to farmers.
- Success point :
 - No issue of weed control also save herbicides cost as well spraying labour cost.
 - Reduce irrigation hour also save irrigation water cost.
 - Effective pest management also save pesticides cost as well spraying labour cost.
 - Getting higher price of fruits through proper marketing on social media.
- Farmer Feedback :
 - Size, shape, shining and sugar percentage of fruits is very good
 - Getting higher qualitative fruit yield
 - Silver-black plastic mulch film, yellow sticky trap, neem oil, pheromone trap manage pest control effectively.

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

Practice used	Yield (kg/ha)	COC (Rs/ha)	Gross Income (Rs/ha)	Net return (Rs/ha)	B:C ratio
Demo Plot	48800	159901	455304	295403	2.84
Local Plot	37200	131378	204600	73222.5	1.55
% increase	31.18	21.71	122.53	303.43	-

Outcome:

As per performance of improved technology found that 31.18% increase in yield and got net returns 295403 Rs/ha. Farmer got 303.43% 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 sugar percentage of watermelon than other farmers. The farmers of neighboring village were encouraged automatically by “Seeing is Believing”.

Photographs:



OFT Field Visit



Field day



Off campus training

Success story -8: Doubling Farmers Income (DFI- 110)

Sr.No	Name	Address	Block	Mobile
1	Patel Janakkumar Vasantbhai	Khavad	Kadi	9714614800
2	Patel Navnitkumar Ramanlal	Khavad	Kadi	9978783601
3	Patel Vijaykumar Ajitbhai	Khavad	Kadi	6353670439
4	Patel Ganpatbhai Prabhudas	Khavad	Kadi	9898520147
5	Patel Dilipkumar Shambhubhai	Khavad	Kadi	9825583510
6	Patel Gunvantbhai Baldevbhai	Khavad	Kadi	9913631009
7	Chaudhary Harshaben Shaileshkumar	Laxmipura	Mehsana	8347070029
8	Chaudhary Jamiben Narsinhbhai	Malharpura	Kheralu	9924464797
9	Patel Babubhai Virabhai	Venpura	Becharaji	9638085328
10	Patel Kalpeshbhai Joitaram	Venpura	Becharaji	9726301521
11	Patel Prahaladbhai Ramabhai	Venpura	Becharaji	9537516669
12	Patel Rameshbhai Babubhai	Venpura	Becharaji	9773144519
13	Patel Shankarbhai Bhagavandas	Venpura	Becharaji	9726533323
14	Patel Sandeepkumar Kishorbhai	Venpura	Becharaji	7069656012
15	Patel Vasantbhai Naranbhai	Venpura	Becharaji	90998696351
16	Patel Rameshbhai Ambaram	Venpura	Becharaji	9099869635
17	Patel Manilal Madhavlal	Venpura	Becharaji	9879263726
18	Patel Anitaben Shaileshbhai	Venpura	Becharaji	6355386037
19	Patel Jitendrakumar Bhanubhai	Motidau	Mehsana	9408971841
20	Patel Nathalal Karshandas	Motidau	Mehsana	9428666292
21	Patel Piyushkumar Manilal	Motidau	Mehsana	6351995375
22	Patel Kamleshbhai Jethabhai	Motidau	Mehsana	9726330480
23	Patel Nareshkumar Ramjibhai	Motidau	Mehsana	9712718499
24	Patel Hashmukhbhai Hargovanbhai	Motidau	Mehsana	7567477343
25	Patel Narsinhbhai Nathalal	Motidau	Mehsana	9913990231
26	Patel Rajendrakumar Trikamlal	Motidau	Mehsana	7041609235
27	Patel Gunvantbhai Chaturbhai	Motidau	Mehsana	7041609234
28	Patel Sarojben Bhaveshkumar	Motidau	Mehsana	9825327444
29	Patel Jayeshbhai Mangalbhai	Sipor	Vadnagar	9429731512
30	Patel Bankeshbhai Ishvarbhai	Sipor	Vadnagar	9925971239
31	Patel Vinodbhai Bhudarbhai	Sipor	Vadnagar	7575837486
32	Patel Kirtibhai Manilal	Sipor	Vadnagar	7096220743
33	Patel Dineshkumar Chimanlal	Sipor	Vadnagar	9879808306
34	Patel Hashmukhbhai Ishvarlal	Sipor	Vadnagar	8160670389
35	Patel Kamleshkumar Chimanlal	Sipor	Vadnagar	9924968306
36	Patel Baldevbhai Hargovinddas	Sipor	Vadnagar	8758506790

37	Patel Mukeshkumar Chhelabhai	Sipor	Vadnagar	9727831848
38	Patel Rajeshkumar Joitaram	Sipor	Vadnagar	9925506515
39	Patel Pravinkumar Govindbhai	Sipor	Vadnagar	9429226301
40	Patel Govindbhai Ishvarbhai	Sipor	Vadnagar	9714004470
41	Patel Manojkumar Chimanlal	Sipor	Vadnagar	8758770075
42	Thakor Somtaji Ramaji	Savala	Visnagar	9723732057
43	Khokhar Valiubakhan A	Savala	Visnagar	9974582469
44	Chauhan Torekhan Hajikhan	Savala	Visnagar	7043806743
45	Chauhan Munir Ahmed Ibrahimkhan	Savala	Visnagar	9624496325
46	Thakor Chelaji Javanji	Savala	Visnagar	9099228220
47	Thakor Ramanji Gambhirji	Savala	Visnagar	9974783177
48	Khokhar Gulabkhan Dolatkhan	Savala	Visnagar	9925472183
49	Chauhan Mehbubkhan Jivankha	Savala	Visnagar	8128562680
50	Chauhan Ismailkhan Fakirmahmad	Savala	Visnagar	9316511324
51	Khokhar Bahodin Akhtyarkhan	Savala	Visnagar	9913080450
52	Khokhar Harishalikhan Asdulakhan	Savala	Visnagar	9714179546
53	Chauhan Hamidkha Malekbhai	Savala	Visnagar	9638267055
54	Khokhar Imrankhan Abbaskhan	Savala	Visnagar	7043994698
55	Chauhan Sujatkhan Ajamkhan	Savala	Visnagar	7537619133
56	Khokhar Sarfarajkhan Faizdinkhan	Savala	Visnagar	9723946786
57	Thakor Mukeshji Manorji	Savala	Visnagar	9898161758
58	Khokhar Sharifkhan Maherabkhan	Savala	Visnagar	8128697052
59	Bahelim Shafimohmad Acharatkhan	Savala	Visnagar	9979552420
60	Chauhan Sardarkhan Mohmadkhan	Savala	Visnagar	9824526986
61	Khokhar Mohmadhanif M.	Savala	Visnagar	9904662884
62	Khokhar Jikaralikhani Mehrabkhan	Savala	Visnagar	9979315400
63	Rajput Babuji Bhathiji	Amarpura	Visnagar	9925440684
64	Rajput Ramaji Chandanji	Amarpura	Visnagar	9979213946
65	Rajput Amarsinh Navaji	Amarpura	Visnagar	9586573625
66	Rajput Bhikhaji Hamirji	Amarpura	Visnagar	8469088626
67	Rajput Gopalji Rupaji	Amarpura	Visnagar	9510726130
68	Rajput Vihaji Rupaji	Amarpura	Visnagar	9601046043
69	Rajput Sardarji Udaji	Amarpura	Visnagar	6352270688
70	Rajput Karsanji Viramji	Amarpura	Visnagar	9879465470
71	Rajput Laxmanji Javanji	Amarpura	Visnagar	9925751235
72	Rajput Ratanji Hamirji	Amarpura	Visnagar	9727434346
73	Rajput Baldevji Viramji	Amarpura	Visnagar	9099482028
74	Patel Nitinkumar Somabhai	Amudh	Unjha	9714870722
75	Patel Ramesh Virabhai	Amudh	Unjha	7874660186
76	Patel Jayantibhai Joitaram	Amudh	Unjha	7567707278

77	Patel Babubhai Kashiram	Amudh	Unjha	9428629872
78	Patel Vrushalkumar Pareshbhai	Amudh	Unjha	9712873476
79	Patel Shankarbhai Hargovandas	Amudh	Unjha	9909469069
80	Patel Dashrathbhai Purshottamdas	Amudh	Unjha	9408541242
81	Patel dashrathbhai Prabhudas	Amudh	Unjha	9726095840
82	Patel Narrotambhai Hirdas	Amudh	Unjha	8758058146
83	Prajapati Vishnubhai Ambalal	Amudh	Unjha	9974601507
84	Patel Babubhai Prabhudas	Amudh	Unjha	9016120338
85	Patel Naranbhai Parshottamdas	Amudh	Unjha	9638787388
86	Patel Dharmendrakumar Jivanbhai	Amudh	Unjha	9879277184
87	Patel Hiteshbhai Sambhudas	Amudh	Unjha	9726672128
88	Patel Naranbhai Vendas	Amudh	Unjha	8758955144
89	Patel Narendrabhai Kanjibhai	Amudh	Unjha	9998102099
90	Patel Keshabhai Laldas	Amudh	Unjha	9638182981
91	Patel Rameshbhai Narottambhai	Amudh	Unjha	8980124855
92	Patel Karshanbhai Prabhudas	Amudh	Unjha	9979632671
93	Patel Satishkumar Narayanbhai	Amudh	Unjha	9625779791
94	Patel Ishvarbhai Ambaramdas	Amudh	Unjha	9825171617
95	Patel Rameshbhai Vashrambhai	Amudh	Unjha	9727915320
96	Patel Kantilal Ishvarlal	Amudh	Unjha	9586019165
97	Patel Prahaladbhai Tribhovandas	Amudh	Unjha	9016403711
98	Patel Govindbhai Tribhovandas	Amudh	Unjha	9978599601
99	Patel Narotambhai Vashramdas	Amudh	Unjha	9913392181
100	Patel Baldevbhai Sambhubhai	Siyapura	Kadi	9714404643
101	Patel Natvarbhai Ramdas	Siyapura	Kadi	9099140770
102	Patel Jagdishbhai Chaturbhai	Siyapura	Kadi	9726249544
103	Thakor Kirtiji Ambalal	Siyapura	Kadi	9712144864
104	Patel Mahendrabhai Bholidas	Siyapura	Kadi	9925351441
105	Thakor Jiluji Takhaji	Siyapura	Kadi	9909829068
106	Patel Dhirubhai Chaturdas	Siyapura	Kadi	9428664195
107	Patel Vijaybhai Kantilal	Siyapura	Kadi	9662257945
108	Patel Keshabhai Chhagandas	Siyapura	Kadi	9998321162
109	Patel Rajendrabhai Parshottamdas	Siyapura	Kadi	9913631211
110	Patel Govindbhai Chhagandas	Siyapura	Kadi	9638051124

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

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

S. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK
1	Livestock	✓ Use of aloevera, turmeric and lime	for mastitis disease
2	Crop	✓ Use slurry of cow dung and urine	To reduce the damage by neel cow in crop

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) - Soneripura, Ganeshpura
- 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 , Sardarkrushinagar	Technical backstopping
3	Anand Agricultural University , Anand	Technical support
4	District Agriculture Officer, Mehsana	Joint implementation
5	Deputy Director (Horticulture), Mehsana	Joint implementation
6	NABARD, Mehsana	Joint implementation for farmers clubs and Strengthening of SHGs
7	ATMA, Mehsana	Joint implementation
8	Dena Bank, Mehsana	Member of SAC, For S.H.G. formation
9	G.S.F.C., G.N.F.C. and IFFCO	Joint implementation, FLD Inputs
10	Main Seed Spices Research Station, SDAU, Jagudan	Technical support
11	DRDA	Participating in meeting, Member of SAC
12	Farmer Training Centre, Mehsana	Joint Implementation
13	Deputy Director (A.H),Mehsana	Member of SAC, Various Govt. Scheme
14	Wheat Research Station, SDAU, Vijapur	FLD
15	Gujarat State Seed Corporation Ltd, Mehsana	Seed production, Input FLD
16	Self Employed Women Association (SEWA), Mehsana	Joint Implementation
17	RSETI, Mehsana	Joint Implementation , Vocational trainings, Member of LAC
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

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	2		
		SAC Meeting		1	
02	Research projects				
03	Training programmes	Collaborative training programme		5	
04	Demonstrations				
05	Extension Programmes				
	KisanMela				
	Pak Parisanvad	Pak Parisanvad	2		
	Exposure visit				
	Exhibition				
	Soil health camps				
	E Krishipath	E magazine	6		
	Animal Health Campaigns				
	Kisan Gosthi	Kisan gosthi organized by ATMA	4		
	Lecture delivered	Training and FFS	80		
06	Publications				
	Video Films				
	Books				
	Extension Literature	Technical guidance	2		
	Pamphlets				
	Others (Pl. specify)				
07	Farmer Selection committee	Award	3		
	Watershed approach				
	Integrated Farm Development				
	Agri-preneurs development				

D. Give details of programmes implemented under National Horticultural Mission

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

E. Nature of linkage with National Fisheries Development Board

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

F. Details of linkage with RKVY

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

G. Details of linkage with PKVY (Paramparagat Krishi Vikas Yojana)

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 and pulses	Financial	607500	531690	

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	In cotton 1000 drops of savajMDP paste at place of between two twigs at flowering initiation stage and remaining two treatment after 30 days interval	21.25 % reduction in ball damage
2	Spray of Azoxystrobin 23 SC 10 ml / 10 lit water with soap solution starting from disease initiation and then after two spray at 10 days interval	25.75 % reduction in disease index
3	20 microns plastic mulch 5550 meter per hector	23.61 % water saving
4	Lime: Lime harvester (JAU Recomended)	80.06 % Reduction in dropping fruit
5	N : P : K - 120 : 60 : 00 kg/ha + spray of 2% urea at milking stage of wheat	<ul style="list-style-type: none"> • 3.63 % test weight increased • 14.21 % production increased
6	Blackgram - New Variety GU-2	<ul style="list-style-type: none"> • High yielding variety (11.20 % higher yield) • 21.62 % test weight increased
7	Wheat GW-451 - 125 kg/ha	<ul style="list-style-type: none"> • High yielding variety (19.51 % higher yield) • Good for chapatti • lodging resistant variety • 4.11 % test weight increased
8	Chilli (IPM) Beauveria bassiana - 2.4 kg, Neem Oil -10000 ppm-1.8 lit	<ul style="list-style-type: none"> • Bio-pesticides effectively managed sucking pest • Environmentally safety approach
9	Fennel : Beauveria bassiana-2.4 kg, Neem Oil - 10000 ppm-1.8 lit	<ul style="list-style-type: none"> • Bio-pesticides effectively managed sucking pest • Qualitative production
10	Tomato (IPM) Trochogramma-1.5 lac, (6 times) Beauveria bassiana - 2.4 kg, Neem Oil -10000 ppm-1.8 lit,HNPV 450 LE per ha.	<ul style="list-style-type: none"> • Beauveria Bessiana and neem oil effectively managed sucking pest and heliothis • Eco-friendly approach • 28% reduction in fruit damage
11	Groundnut Sulphur- 20 kg, Trichoderma- 2.5 kg.,PSB culture-1.25 lit, Rhizobium culture - 1.25 lit, NPK consortia 1.25 lit, Quinalphos - 2.5 Lit, Beauveria bassiana -2.4 kg, Neem Oil (10000 ppm)-1.8 ltr.	<ul style="list-style-type: none"> • Application of sulphur increased yield • Beauveria bassiana, neem oil, HNPV and SNPVmanage heliothis, spodoptera and sucking pests effectively • Soil application of Trichoderma very good managed collar rot disease (83 % reduction)
12	Castor 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,	<ul style="list-style-type: none"> • Variety GCH-8 is high yielding(10.72%Higher yield) and wilt resistance, Sulphur- increase yield, Trichoderma- Effectively manage of rootrot, Beauveria bassiana Manage sucking pest, manage castor hairycatter pillar
13	Mustard 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	<ul style="list-style-type: none"> • Variety GDM-4 is high yielding(22.87 % higher yield), Sulphur- increase yield, Yellow sticky trap, Beauveria bassiana and Neem oil manage aphids effectively and increased bio agent population
14	Sesamum Seed GJT-5 - 2.5 kg, Sulphur - 20 kg, Azotobactor culture - 1.25 lit, PSB culture - 1.25 Lit, Beauveria bassiana - 2.4 kg, Neem oil (10000 PPM)- 1.8 ltr, Pendimethaline - 2.5 ltr,	<ul style="list-style-type: none"> • Variety GJT-5 is high yielding(18.77 % higher yield), Sulphur- increase yield, Beauveria bassiana and Neem oil manage aphids effectively and increased bio agent population
15	Blackgram Seed GU 1 - 20 kg, Sulphur - 20 kg, Pendimethalin -2.5 lit, Rhizobium culture - 1.25 lit, PSB culture - 1.25 Lit, NPK consortia - 1.25, Beauveria bassiana - 2.4 k.g, Neem oil (10000 PPM)- 1.8 ltr	<ul style="list-style-type: none"> • Variety, GU-1 is good and bold seeded(18.45% Higher Yield) • Application of sulphur increased yield • Beauveria bassiana and neem oil- manage pests
16	Chickpea	<ul style="list-style-type: none"> • Variety GJG-5 is high yielding (22.25 % Higher

	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	Yield) <ul style="list-style-type: none"> Grains luster is good Pheromone trap, Neem oil, Beauveriabassiana, HNPV manage pod borer effectively (83 % reduction in pod damage)
17	Greengram: Seed GNM-6 - 17.5 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, Pendimethaline - 2.5 ltr	<ul style="list-style-type: none"> Variety GNM-6is high yielding (26.33 % higher yield) Sulphur- increase yield, Beauveria bassiana and Neem oil manage aphids effectively and increased bio agent population
18	Cumin (IDM) Propineb 70 % WP- 30 gm/10 lit water	<ul style="list-style-type: none"> Effectively manage blight (14.75 reduction in blight intensity) Yield Increased
19	Cotton (IPM) Beauveria bassiana, Neem Oil, Pheromone trap	<ul style="list-style-type: none"> Bio-pesticides effectively manage sucking pest and pink bollworm (21.42 % reduction in boll damage) Environmentally safety approach
20	Use of green fodder, dry fodder and concentrate + Mineral mixture@30 gms + copper and cobalt bolus + Deworming of animals	<ul style="list-style-type: none"> 60 percent increase conception rate
21	Fodder Sorghum - Variety, COFS-29 - 1 kg	<ul style="list-style-type: none"> High green fodder yielding variety
22	Fenbendazole @ 3 gm/animal/6 month	<ul style="list-style-type: none"> Effectively manage worm infestation No adverse effect in pregnancy
23	Bypass protein	<ul style="list-style-type: none"> Increase 14.44 % milk production Increase 6.10 % fat
24	Chelated Mineral mixture - 3 kg	<ul style="list-style-type: none"> Increase 10.59 % milk production Increase 3.2 fat percent
25	Probiotic 1 kg	<ul style="list-style-type: none"> Increase 9.52 % milk production
26	Wheelhoe	<ul style="list-style-type: none"> Labour and time saving Low cost of weeding Doing interculturing without bending movement and hard work of labour Easy to operate while near row to row and plant to plant distance
27	Secutter	<ul style="list-style-type: none"> Labour and time saving at the time of harvesting of castor spike Less shoulder pain Dropping of capsules are very lessduring harvesting spike
28	Kitchen garden	<ul style="list-style-type: none"> Continuously supply of fresh and organic vegetable at low cost Utilization of maximum backyard space and waste water Time and money saving
29	Improved Sickle	<ul style="list-style-type: none"> No need of regular sharpening Improved harvesting efficiency Very easy to operate Save labour and efforts
30	Dibbler (Cotton and Castor)	<ul style="list-style-type: none"> Easy for sowing without bending movement of body Excellent germination Saving of seeds cost Time saving
31	Mango squash	<ul style="list-style-type: none"> 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
Crop production	N : P : K - 10 : 20 : 00 kg/ha + PSB and rhizobium culture seed treatment + Two spray of 2 % DAP at appearance of flowering and 15 days after first spray	<ul style="list-style-type: none"> • Recomondate to SAUs for research experiment on assessed treatment
Plant protection	Spray of Azoxystrobin 23 SC 10 ml / 10 lit water with soap solution starting from disease initiation and then after two spray at 10 days interval	
Plant protection	1000 drops of savaj MDP paste at place of between two twigs at flowering initiation stage and remaining two treatment after 30 days interval	

11. Technology Week celebration during 2021 Yes/No, If Yes : No

Period of observing Technology Week: From : to

Total number of farmers visited :

Total number of agencies involved :

Number of demonstrations 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	Crops/cultivars	Area (ha)	Number of beneficiaries
Total			

B. Major area coverage under alternate crops/varieties

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

C. Farmers-scientists interaction on livestock management

State	Livestock components	Number of interactions	No. of participants
Total			

D. Animal health camps organized

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

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

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

F. Large scale adoption of resource conservation technologies

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

G. Awareness campaign

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

13. IMPACT

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

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./year)	After (Rs./year)
Seed production	20	65	-	15500
Vermicompost	20	70	-	10500
Agriculture extension service provider	20	40	-	50000
Value addition	41	65.85	-	3400
Organic grower	20	85	-	9500
Micro Irrigation Technician	20	15	-	15000

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

B. Cases of large scale adoption

(Please furnish detailed information for each case)

S. No	Crop/Enterprise	Thematic Area*	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
					No. of villages	No. of farmers	Area in ha
1	Oil seed						
1.1	Castor	ICM	Castor Seeds GCH-8 : 4 kg, Sulphur- 20 kg, 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	150	2200	600
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	180	3550	1200
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-450 LE,	Training, CFLD, SMS, Field day, Krushi Mela, Diagnosis visit, Group meeting, Telephonic guidance,	70	1700	950

			SNPV 250 LE, Neem Oil (10000 ppm)-1.8 ltr., Imazethapyr -750 gm	Method demonstration			
2	Pulses						
2.1	Blackgram	ICM	Seed GU 1 - 20 kg, Sulphur - 20 kg, Rhizobium culture - 1.25 lit, PSB culture - 1.25 Lit, Beauveria bassiana - 2.4 k.g, Neem oil (10000 PPM)- 1.8 ltr	Training, CFLD, SMS, Field day, Krushi Mela, Diagnosis visit, Group meeting, Telephonic guidance	55	750	280
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	30	400	200
3	Other						
3.1	Fennel	Varietal Evaluation	High yielding variety GF-12	Training, Krushi Mela, Telephonic guidance, Diagnosis visit, SMS, FLD	250	3200	1050
3.2	Wheat	INM& IPM	Zinc Sulphate 25 kg/ha, seed treatment of Fipronil/ Chorpyriphos @ 5 ml /kg seed	Training, Krushi Mela, Telephonic guidance, Diagnosis visit, SMS, FLD	400	5500	3500
3.3	Wheat	Varietal Evaluation	GW-451 @ 125 kg/ha and timely sowing	Training, Field day, Krushi Mela, Telephonic guidance, Diagnosis visit, FLD, SMS	250	2800	1500
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,	25	850	260

				Diagnosis visit, FLD,SMS			
3.5	Micro Irrigation system	Micro Irrigation system	Drip Irrigation	Training, Method demonstration, Group meeting	100	1000	650
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	1450	950
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	350	3500	2250
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	150	1800	-
3.10	Farm Implements	Small tools and implements	Seed cum fertilizer drill	Training, Method demonstration, Field day	150	5000	-
3.11	Farm Implements	Small tools and implements	Rotavator	Training, Method demonstration	240	10000	-
3.12	Livestock	Feed management	Chelaetd Mineral mixture	Training, FLD, Field day	225	6200	-
3.13	Livestock	Feed management	Probiotic	Training, FLD, Field day	80	1300	-
3.14	Livestock	Disease management	Fenbendazole	Training, FLD	200	4200	-
3.15	Home Science	Value addition	Aonla candy	Method demonstration & training	70	850	-
3.16	Home Science	Household food security	Kitchen garden	Training, FLD, Field day, Field visit	110	800	-

4 Cash Crops

4.1	Cotton	IPM	Pheromone trap-8 no/ ha , Beauveria bassiana - 2.4 kg, Neem Oil -10000 ppm-1.8 lit	Training, Field day, Krushi Mela, Telephonic guidance, Diagnosis visit, FLD,SMS	250	2600	1100
-----	--------	-----	---	---	-----	------	------

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

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

Sr. No.	Technology	Frequency	Adoption (%)
1	Scientific cultivation of major crops	27	67.50
2	Fodder production	22	55.00
3	Soil fertility management	20	50.00
4	Seed production technologies	15	37.50
5	Micro Irrigation System	15	37.50
6	Weed management	28	70.00
7	Soil and water conservation	18	45.00
8	Integrated Nutrients Management	26	65.00
9	Commercial fruit production	24	60.00
10	Improved technology in vegetables crops	27	67.50
11	Improved technology in spice crops	29	72.50
12	Production technology of Tuber crops	23	57.50
13	Enterprenureship development of farmers	14	35.00
14	Integrated Pest Management	30	75.00
15	Integrated Disease Management	26	65.00
16	Bio control of pests and disease	23	57.50
17	Post harvest technology	15	37.50
18	Dairy management	26	65.00
19	Disease management in animal	27	67.50
20	Feed management in animal	28	70.00
21	Small tools and implements	21	52.50
22	Production of organic inputs	26	65.00
Overall adoption		57.95%	

Table 2: Adoption of the latest technologies by the farmwomen (n = 25)

Sr. No.	Technology	Frequency	Adoption (%)
1	Income generating activities	10	40.00
2	Value addition	14	56.00
3	Women and child care	17	68.00
4	Adoption of low cost high nutrient diet	13	52.00
5	Kitchen gardening	17	68.00
6	Self help group and its sustainability	12	48.00
7	Storage loss minimization technology	17	68.00

8	Dairy management	29	116.00
9	Feed management in animals	19	76.00
10	Weed management	15	60.00
11	Drudgery reduction	13	52.00
Overall adoption		64.00 %	

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 2021	1	18755	0
February 2021	0	0	0
March 2021	2	39192	0
April 2021	1	18368	0
May 2021	2	36766	0
June 2021	1	18369	0
July 2021	1	18370	0
August 2021	2	36761	0
September 2021	0	0	0
October 2021	0	0	0
November 2021	0	0	0
December 2021	0	0	0
Total	10	186581	0

Name of KVK	Message Type	Type of Messages						Total
		Crop	Livestock	Weather	Marketing	Aware-ness	Other enterprise	
Mehsana	Text only	4	3	0	0	0	3	10
	Voice only	0	0	0	0	0	0	0
	Voice & Text both	0	0	0	0	0	0	0
	Total Messages	4	3	0	0	0	3	10
	Total farmers benefitted	76353	55107				55121	186581

15. PERFORMANCE OF INFRASTRUCTURE IN KVK

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

Sl. No.	Demo Unit	Year of establishment	Area Sq M	Details of production			Amount (Rs.)		Remarks
				Variety	Produce	Qty.	Cost of inputs	Gross income	
1	Azolla	2016	40	Azolla piñata	Seed	24	300	1200	
2	Jeevamrut	2019	125	-	-	800	400	1600	
3	Aonla juice	-	-	-	Commercial	3610	129632	228580	

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

Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty. (Kg)	Cost of Inputs	Gross Income	
Cereals									
Bajara	20/03/2021	05/07/2021	0.20	GHB-558	Commercial	715	1260	10725	
Wheat	22/11/2020	20/03/2021	0.90	GW-496	Seed	2800	7150	66000	
Wheat	26/11/2020	16/03/2021	1.10	GW-451	Seed	3667	8725	90150	
Wheat	05/12/2020	10/04/2021	0.10	GW-499	Seed	200	800	4375	
Pulses									
Blackgram	24/06/2021	28/09/2021	0.25	GU-1	Seed	59	750		
Blackgram	14/07/2021	11/10/2021	0.20	GU-2	Seed	43	650		
Mung	24/06/2021	30/09/2021	0.20	GM-6	Seed	95	700		
Oilseeds									
Mustard	19/10/2020	05/03/2021	0.25	GDM-4	Seed	400	1750	33662	
Castor	22/08/2020	12/03/2021	0.60	GCH-8	Commercial	1357	5025	70297	
Spices									
Fibers									
Cotton	14/06/2021		0.40	GTHH-49	Commercial	294	4500	23818	standing
Floriculture									
Fruits									
Aonla	2004		3.2	NA-7	Contract	-	-	190000	
Chiku	2008		0.60	Kali Patti					
Lime	2002		1.20	Kagzi Lime					
Drum stick	2016		1.6	PKM-1					
Mango-Papaya	2020	-	0.35	Kesar	-	-	-	-	
Lime	2019	-	0.25	Kagzi Lime	-	-	-	-	
Vegetables									
Palak,Radish, Tomato	18/082021	-	0.10	-	Commercial	1296	-	14030	Kitchen garden

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

Sl. No.	Bio Products	Name of the Product	Qty (kg/lit)	Amount (Rs.)		Remarks
				Cost of inputs	Gross income	
1	Bio-Fertilizers	Vermicompost	3140	-	19188	-
2	Bio-Fungicides					
3	Bio-pesticides					
4	Bio-Agents	Earth worm (Perionyx sillensis)	651	-	162825	-

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

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty. (Lit.)	Cost of inputs	Gross income	
1	Cow	Kankrej	Milk	62	-	3100	-

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)
January – December 2021	310	3677	-
Total			

F. Database management

S. No	Database target	Database created
1	-	19356

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

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

H. Performance of Nutritional Garden at KVK farm

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

If yes,

Nutritional Garden developed at KVK farm

Area under nutritional garden (ha)	Component of Nutritional Garden	No. of species / plants in nutritional garden	No. of farmers visited
0.06	Vegetable crops	Kharif -7, Rabi-11	1775
	Fruit crops	7 (No of plant - 11)	
	Others if any	4	

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

No. of Villages covered	Component of Nutritional Garden	No. of species / plants in nutritional garden	No. of farmers covered
3	Vegetable crops	15	50
	Fruit crops		
3	Others - Drumstick	1	50

H. Details of Skill Development Trainings organized

S.No.	Name of KVKs/SAUs/ICAR Institutes	Name of QP/Job role	Duration (hrs)	No. of participants					
				SCs/STs		Others		Total	
				M	F	T	M	F	T
-	-	-	-	-	-	-	-	-	-

16.FINANCIAL PERFORMANCE

A. Details of KVK Bank accounts

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

B. Utilization of KVK funds during the year 2021-22 (Rs. in lakh) (Till Dec, 2021)

S. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	174.00	143.98	112.49
2	Traveling allowances	0.75	0.51	0.12
3	Contingencies			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)			1.06
B	POL, repair of vehicles, tractor and Equipments	3.80	2.61	1.43
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)			0.56
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)			0.16
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)			2.07
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)			0.30
G	Training of extension functionaries			0.0
H	Maintenance of buildings			0.0
I	Establishment of Soil, Plant & Water Testing Laboratory			0.0
J	Library	5.0	3.44	0.0
TOTAL (A)		183.55	150.54	118.19
B. Non-Recurring Contingencies				
1	Works			
2	Equipments including SWTL & Furniture			
3	Vehicle (Four wheeler/Two wheeler, please specify)			
4	Library (Purchase of assets like books & journals)			
TOTAL (B)		183.55	150.54	118.19
C. REVOLVING FUND		-	-	-
GRAND TOTAL (A+B+C)		183.55	150.54	118.19

Financial status of other Programme Financial year 2020-21

Sr.No	Items/Head	Sanctioned Grant	Release	Expenditure
1	Paramragat Krishi Vikas Yojana(PKVY)			205791
2	Swachhta Action Plan	22700	22700	22700
3	CFLD-OILSEED	450000	337500	310202
4	CFLD-Pulses	270000	270000	221488

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

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year
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 December, 2021	31.51	7.83	5.27	34.07

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

Name of the staff	Designation	Title of the training programme	Institute where attended	Mode (Online/Offline)	Dates
Shri B K Patel	SMS-CP	Enhancing Mustard Production: Technology Innovation and Developments	S D A U, S K Nagar	Offline	21-Jan-2021
Shri B K Patel ,Mr. R A Kachhadia	SMS-CP , SMS-AE	Workshop on wheat production technology	Whear Research Station , Vijapur, SDAU	Offline	03-Feb-2021
Dr. R A Patel ,Shri M R Patel	Senior Scientist and Head , SMS-EE	National Horticulture Fair-2021 during 8-12 February, 2021	Indian Institute of Horticultural Research, Hesaraghatta, Bengaluru	Online	11-Feb-2021
Shri M R Patel	SMS-EE	Online orientation workshop on FPOs for ICAR related CBBO Formation and Promotion of 10000 FPOs	ICAR & NCDC	Online	05-Mar-2021
Team		Bhumisuposan	ICAR New Delhi	Online	15-Apr-2021
Mr. R A Kachhadia	SMS-AE	Gaupalan Thaki Bhumisuposan Antargat state level Farmer Webinar	KVK Navsari	Online	30-Apr-2021
Mr. R A Kachhadia	SMS-AE	Awareness Programme on Jal Shakti Abhiyan and Crop Residue Management	KVK Surat	Online	13-May-2021
Shri B K Patel	SMS-CP	Entrepreneurship Development in Mushroom Cultivation	ICAR- DMR , Solan (HP) - Online	Online	18-May-2021
Mr. R A Kachhadia	SMS-AE	State Level Webinar on Madhmakhi Palan	A.A.U., Anand - Online	Online	19-Jun-2021
Shri B K Patel	SMS-CP	Madhmakhi Palan	A.A.U., Anand - Online	Online	19-Jun-2021
Shri M R Patel	SMS-EE	Healthy workplace initiative & Ergonomics	A.A.U., Anand - Online	Online	03-Jul-2021
Shri B K Patel	SMS-CP	Polyhouse na pako ma rog jivat vyavasthapan	NAHEP, AAU, Anand - Online	Online	23-Jul-2021
Shri B K Patel	SMS-CP	Sustainable Groundwater Management : Current Challenge Around the World	CTAE, MPUAT, Udaipur Online	Online	30-Jul-2021
Dr. R A Patel	Senior Scientist and Head	ORGANIC FARMING	RAJBHAVAN, GANDHINAGAR	Offline	18-Oct-2021
Shri M R Patel ,Dr.S M Soni	SMS-EE , SMS-AS	Presentation skill for Professional Excellence	Anand	Online	26-Oct-2021
Dr. R A Patel	Senior Scientist and Head	Prakrutik khedi	Adalaj	Offline	26-Nov-2021

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

Name of the village	Total No. of families surveyed	Key interventions implemented	No. of farmers covered in each intervention	Change in income (Rs/unit)	
				2016-17	2020-21
Venpura	11	Training, FLD, OFT and other extension activities	10	42821	88308
Amarpura	10		10	98110	2281148

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, Group meeting	14	72

19. Details of Progress of ARYA Project

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

21. Details of SAP

Sl. No	Types of major Activity conducted- SwachhtaPakhwada, Cleaning, Awareness Workshop, Miccobial based Agricultural Waste Management by Vermicomposting etc.	No. of Programmes conducted	No of participants
1.	<ul style="list-style-type: none"> • Display of banner at prominent places, taking Swachhata pledge • Basic maintenance: Awareness programme • Sanitation and SWM :Cleanliness and sanitation drive in the villages • Polythene free status, composting of kitchen and home waste materials. Promoting clean & green technologies and organic farming practices in kitchen gardens of residential colonies andat least one nearby village and proving on the spot technology solutions. • Campaign on cleaning of sewerage & water lines, awareness on recycling of waste water, water harvesting for agriculture/ horticulture application/kitchen gardens in residential colonies/ 1-2 nearby villages. 	25	1762
2.	<ul style="list-style-type: none"> • Organising technology demonstrations on agricultural technologies for conversion of waste to wealth and safe disposal of all kinds of wastes. Debate on Swachhata at village level, awareness camps and expert talks • Celebration of Special Day- Kisan Diwas (Farmer's Day) • Swachhta Awareness at local level 	16	1055
TOTAL			2817

Details of SAP activity and expenditure

Quarter	No. of adopted villages (For Microbial based Agricultural Waste Management using Vermicomposting)	Types of major Activity conducted (Excluding Vermicompost activity) Swachhta Pakhwada, Cleaning, Awareness Workshop etc.	Expenditure (Rs)
I	Denap,Kansa(2 Villages)	✓ Cleaning and beautification of surrounding area.	5000
II		✓ Awareness regarding plastic use and stop single use plastic material.	6000
III		✓ Used water for agriculture and horticulture application.	3800
IV		<ul style="list-style-type: none"> ✓ Farm sanitation and SWM.. ✓ School campus cleaning. ✓ Swachhata awareness at local level. 	4200
		Display and banner.	

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

Celebration of special day

WORLD WOMEN DAY

Krishi Vigyan Kendra, Ganpat University was celebrated 'World Women day' on 08/03/2021 at KVK in presence of Mr.Somabhai Rayaka, Director KVK as the chief guest. In the programme farm women watched the online broadcast by ICAR, New Delhi with the Agenda of "women leadership in agriculture, entrepreneurship, equity and empowerment". The farm women of Kansa, Malarpur, Gokalgadh, Haripura (Rupal) and Denap villages enthusiastically participated in this programme. Four farm women were awarded with appreciation certificate for their outstanding work in agriculture, animal husbandry and home science. A vocational training programme also organised for make them self-reliant as well as to create awareness on nutrition garden around the house for family members to get good health and nutrition. Total 54 farm women from different villages were presented.

WORLD WATER DAY

Krishi Vigyan Kendra, Mehsana celebrated a World Water Day on 22nd March, 2021 at Kahipur Village to aware the farmers about value of water because water is the most precious gift to our life on the earth from the God. So we need to conserve water for the future safety, if we save water, we save life and save whole world on the earth. In which 51 farmers and farm women were participated.

WORLD MILK DAY

World Milk Day was virtually celebrated on 16th July, 2021 by the Krishi Vigyan Kendra, Mehsana. The main focused on sustainability in the dairy sector along with empowering the nutrition and socio economic. Total 38 farmers and farm women were attended the programme.

WORLD FOOD DAY

World food day was celebrated on 16th October, 2021 at KVK. Mrs.Babita (SMS, Home Science) had delivered Lecture on how to use seasonally available fruits and vegetable in our diet and also discussed the usefulness of millet in our health. Distribution of moringa seeds to farm women for growing in backyard space and they used moringa pods and leaves in their diet because moringa is a good source of calcium and iron. The farm women also visited demonstration unit of KVK farm. Total 44 farm women of different villages were actively participated.

JAL SHAKTI ABHIYAN

KVK Mehsana organised Jal Shakti Abhiyan Awareness Programme throughout the district during the period of 22 April to 30 November,2021. Due to deep water table of the Mehsana district, KVK Mehsana create aware regarding Water Conservation, Ground water recharge as well Efficient use of water through MIS in Agriculture Crop Among the farmers of various block of Mehsana District. in which KVK Mehsana carried out various activity like 376 seed packets distribution, 4655 sapling distribution and Total 91 Training and Awareness programme with 3909 farmers Participants.

Summary table of JAL SHAKTI ABHIYAN

Sr.N	Date / Duration	Training Programs (Water Use Efficiency and Appropriate Crops)		No.Seed Packets distribute d	No. Saplings distributed	Awareness Programs	
		Number	Total Participants			Number	Participants
1	01/05/2021 to 07/05/2021	1	41	0	0	0	0
2	08/05/2021 to 14/05/2021	0	0	0	0	2	125
3	15/05/2021 to 21/05/2021	0	0	0	0	4	212
4	22/05/2021 to 28/05/2021	1	38	0	0	2	72
5	29/05/2021 to 04/06/2021	0	0	0	0	4	158
6	05/06/2021 to 11/06/2021	1	42	0	0	3	109
7	12/06/2021 to 18/06/2021	1	22	0	0	2	54
8	19/06/2021 to 25/06/2021	1	24	0	0	3	71
9	26/06/2021 to 02/07/2021	0	0	0	0	4	150
10	03/07/2021 to 09/07/2021	2	89	0	0	2	138
12	10/07/2021 to 16/07/2021	1	21	50	50	2	55
13	17/07/2021 to 23/07/2021	0	0	50	0	1	20
14	24/07/2021 to 30/07/2021	1	11	0	0	2	46
15	31/07/2021 to 06/08/2021	0	0	0	0	4	112
16	07/08/2021 to 13/08/2021	0	0	0	4300	5	312
17	14/08/2021 to 20/08/2021	0	0	0	0	4	128
18	21/08/2021 to 27/08/2021	1	43	0	0	2	175
19	28/08/2021 to 03/09/2021	0	0	0	0	3	182
20	04/09/2021 to 10/09/2021	1	70	0	0	1	67
21	11/09/2021 to 17/09/2021	0	0	100	200	4	218
22	18/09/2021 to 24/09/2021	0	0	56	0	4	264
23	25/09/2021 to 01/10/2021	0	0	40	105	2	99
24	02/10/2021 to 08/10/2021	0	0	0	0	4	260
25	09/10/2021 to 15/10/2021	0	0	30	0	3	87
26	16/10/2021 to 22/10/2021	0	0	0	0	4	105
27	23/10/2021 to 29/10/2021	0	0	50	0	4	123
28	30/10/2021 to 05/11/2021	0	0	0	0	1	35
29	06/11/2021 to 12/11/2021	0	0	0	0	1	21
30	13/11/2021 to 19/11/2021	0	0	0	0	1	32
31	20/11/2021 to 26/11/2021	0	0	0	0	1	38
32	27/11/2021 to 03/12/2021	0	0	0	0	1	40
	Total	11	401	376	4655	80	3508

PARTHENIUM AWARENESS WEEK 16-22 AUGUST, 2021

KVK, Mehsana celebrated the Parthenium Awareness Week during 16th to 22nd August, 2021 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 **102** participants of Karanpura, Chadasana, Vijapur, Haripura, Rupal villages of Mehsana district. We have awared them regarding parthenium weed, habitat and control measure of it.

Parthenium hysterophours 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.

Moreover, it is becoming more important as a major activity of "**Sachh Bharat Abhiyan**" and therefore KVKs to participate in this activity as a component of "Swachhh Bharat Abhiyan" and to ensure **Parthenium-free campus**.

Certificate Course On Insecticide Management For Insecticide Dealers/Distributors

Modern farm production as well as its market system is most important. The farmers get the information through different medium, one of which is the medium insecticide dealers/distributors. Pesticides are an important input of agriculture. Pesticides are mostly sold by dealers, distributors and retailers. Most farmers depend on pesticides dealers, distributors and retailers for information on pesticides and pest management. Most pesticides dealers do not have basic technical knowledge of agriculture. To impart technical knowledge to pesticide dealers/retailers based on pesticide, pest management and scientific recommendation. Krishi Vigyan Kendra has been assigned by National Institute of Plant Health Management (NIPHM) as co-ordinator. 72 hours certificate course for insecticide dealers/distributors has been started from date 09/09/2021 to 15/12/2021. The first batch on "Certificate course on insecticide management for Insecticide Dealers/Distributors" has been completed at KVK during 2021.

The main objective of this training :

- to provide basic technical education and understanding on pesticides and pest management to pesticides dealers and distributors.
- to impart knowledge about rules and regulation governing pesticides
- to impart education on integrated pest management

In which 40 dealers / distributors participated in the first batch of Mehsana district in this training programme. Certificate distribution in this training programme on 24/12/2021 given by Dr.Ganpat Dada, Patron in chief and chairman of Ganpat University; shri Jayeshbhai Upadhyay, Joint Director of Agriculture,Mehsana; Shri A.R. Gami,

Dy. Director of Agriculture, Mehsana; Shri Somabhai Rayka, Director, Krishi Vigyan Kendra, Mehsana; and Dr. P.R. Patel, Advisory, Ganpat University, Mehsana.

CELEBRATION OF SWACHHATA ABHIYAN

Swachhata related awareness programme celebrated from 02-31 October, 2021 and 16-31, December 2021 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 2817 farmers and farm women were participated.

Details activity from 16-31, December 2021 carried out by KVK

Sl. No	Date	Details activity	Activities
1.	16.12.2021	Display of banner at prominent places, taking Swachhata pledge, Stock taking & briefing of the activities to be organized during the Pakhwada, plantation of trees.	63
2.	17.12.2021	Basic maintenance: Stock taking on digitization of office records/ e-office implementation. Cleanliness drive including cleaning of offices, corridors and premises. Review of progress on weeding out old records, disposing of old and obsolete furniture's, junk materials and white washing/painting.	52
3.	18.12.2021	Sanitation and SWM Cleanliness and sanitation drive in the villages adopted under the MeraGaonMeraGaurav Programme and/or other schemes by ICAR Institutes/KVKs involving village community. Reviewing the progress made under ongoing Swachhata activities including implementation of Swachhata Action Plan (SAP) & providing at the spot solutions.	17
4.	20.12.2021	Stock taking of waste management & other activities including utilization of organic wastes/ generation of wealth from waste, polythene free status, composting of kitchen and home waste materials. Promoting clean & green technologies and organic farming practices in kitchen gardens of residential colonies and at least one nearby village and proving on the spot technology solutions.	23
5.	21.12.2021	Campaign on cleaning of sewerage & water lines, awareness on recycling of waste water, water harvesting for agriculture/ horticulture application/kitchen gardens in residential colonies/ 1-2 nearby villages.	28
6.	22.12.2021	Organising Workshops, exhibitions, technology demonstrations on agricultural technologies for conversion of waste to wealth, safe disposal of all kinds of wastes. Debate on Swachhata at the DARE/ICAR establishments, Seminars, awareness camps, rallies, street plays and expert talks	23
7.	23.12.2021	Celebration of <u>Special Day</u> - Kisan Diwas (Farmer's Day)-23 December	625

		inviting farmers. Experience sharing on Swachhata initiatives by farmers and civil society officials. Felicitating farmers/ civil society officials for exemplary initiatives on Swachhata.	
8.	24.12.2021	Swachhta Awareness at local level (organizing Sanitation Campaigns involving and with the help of the farmers, farm women and village youth in new villages not adopted under any scheme by Institutes/ establishments.	54
9.	27.12.2021	Awareness on waste management & other activities including utilization of organic wastes/ generation of wealth from waste, polythene free status. Curb the use of Single Use plastic (SUP) and discourage the use of plastic in the office. Composting of kitchen and home waste materials, promoting clean & green technologies and organic farming practices in new area.	51
10.	28.12.2021	Campaign on cleaning of sewerage & water lines, awareness on recycling of waste water, water harvesting for agriculture/ horticulture application/kitchen gardens in residential colonies. Outside campuses/ nearby villages with the involvement of local/ village communities.	41
11.	29.12.2021	Visits of community waste disposal sites/ compost pits, cleaning and creating awareness on treatment & safe disposal of bio-degradable/ non-bio-degradable wastes by involving civil/ farming community.	42
12.	30.12.2021	Involvement of VIP/VVIPs (Union Ministers, MPS and other dignitaries) in the Swachhta activities, Involvement of print and electronic media may be ensured so that adequate publicity is given to the Swachhta Pakhwada.	34
13.	31.12.2021	Organization of press conference for highlighting the activities of Swachh Bharat Pakhwada by involving all stake holders including farmers/ VIPs/ press and electronic media.	2
Total			1055

Student trained by KVK during the year

Sr.No	Date/Duration	Days	Number of students	Degree	Name of college
1	10/11/2021 to 16/11/2021	15	16	BSc (Agri)	C.P. Collager of agriculture SDAU SKNagar
2	05-04-2021 to 11-04-2021	5	21	B.Sc (Horti)	Collage of Horticulture, Jagudan, S. K. Nagar

Technical backstopping - DEE, SDAU, S K Nagar

Activities	Date	Place	Participants
DEE, SDAU attended KVK activities and Visit			
Visits of KVK Mehsana - 3 times			
Kharif ZARC Meet	22/01/2021	SDAU, S.K. Nagar	2
ZREAC MEETING	25/10/2021	SDAU, S.K. Nagar	1
SAC	20/01/2021	KVK	
Pre - annual action plan workshop	15/02/2021	ONLINE	6
Pre Annual Progress Workshop	28/04/2021	ONLINE	6
Review Meeting -3	03/02/2021 14/07/2021 25/10/2021	SDAU, S.K. Nagar	9
Workshop	22/01/2021	SDAU, S.K. Nagar	2
Training	03/02/2021	SDAU, S.K. Nagar	1

APR SUMMARY

1. Training Programmes

Clientele	No. of Courses	Male	Female	Total participants
Farmers & farm women	102	1834	1105	2939
Rural youths	4	68	67	133
Extension functionaries	7	140	101	241
Sponsored Training	19	470	418	888
Vocational Training	2	30	21	51
Total	134	2542	1712	4254

2. Frontline demonstrations

Enterprise	No. of Farmers	Area(ha)	Units/Animals
Oilseeds	100	40	
Pulses	75	30	
Cereals	65	12.50	
Vegetables	-	-	
Other crops	115	30	
Hybrid crops	25	10	
Total	380	122.5	
Livestock & Fisheries	80		80
Other enterprises	166		166
Total	246		246
Grand Total	626	122.5	246

3. Technology Assessment & Refinement

Category	No. of Technology Assessed & Refined	No. of Trials	No. of Farmers
Technology Assessed			
Crops	6	55	55
Livestock	2	20	20
Various enterprises	3	26	26
Total	11	101	101
Technology Refined			
Crops			
Livestock			
Various enterprises			
Total			
Grand Total	11	101	101

4. Extension Programmes

Category	No. of Programmes	Total Participants
Extension activities	2123	20551
Other extension activities	30	-
Total	2159	20551

5. Mobile Advisory Services

Name of KVK	Message Type	Type of Messages						Total
		Crop	Livestock	Weather	Marke-ting	Aware-ness	Other enterprise	
Mehsana	Text only	4	3	0	0	0	3	10
	Voice only	0	0	0	0	0	0	0
	Voice & Text both	0	0	0	0	0	0	0
	Total Messages	4	3	0	0	0	3	10
	Total farmers benefitted	76353	55107	0	0	0	55121	186581

6. Seed & Planting Material Production

	Quintal/Number	Value Rs.
Seed (q)	74.34	200770
Planting material (No.)	378	4778
Bio-Products (kg)	3140	19188
Livestock Production (No.)		
Fishery production (No.)		

7. Soil, water & plant Analysis

	Samples	No. of Beneficiaries	Value Rs.
Soil	230	275	42140
Water	24	52	590
Plant	22	22	--
Total	276	349	42730

8. HRD and Publications

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

Training annexure - I

Date	Cliental	Discipline	Training Title	Thrust Area	Training Place	Days	No. of other participants			No. of SC/ST			Total participants		
							M	F	T	M	F	T	M	F	T
04-Jan-2021	FW	Agricultural Engineering	Cutting of castor spike through improved small farm tools- secutter	Production of small tools and implements	Venpura	1	3	27	30	0	0	0	3	27	30
04-Jan-2021	EF	Animal Science	Use, Importance and Method of preparing vermicompost	Vermi-compost production	Udalpur	1	23	4	27	0	0	0	23	4	27
25-Jan-2021	PF	Agricultural Engineering	Cutting of castor spike through improved small farm tools secutter	Production of small tools and implements	Motap	1	30	0	30	0	0	0	30	0	30
25-Jan-2021	PF	Crop Production	INM in Wheat	Integrated nutrient management	sankapura	1	14	0	14	0	0	0	14	0	14
28-Jan-2021	FW	Home Science	Preparation method of different types of khakras	Value addition	Vishnagar	1	4	37	41	0	0	0	4	37	41
28-Jan-2021	PF	Agricultural Engineering	Use of plastic mulch film/organic mulch practices on watermelon crop	Use of Plastics in farming practices	Visnagar	1	13	1	14	0	0	0	13	1	14
29-Jan-2021	PF	Plant Protection	Sucking pests management in cumin	Integrated Pest Management	Santhal	1	16	0	16	1	0	1	17	0	17
05-Feb-2021	PF	Animal Science	Health and hygiene management of dairy animals	Disease Management	Deloli	1	30	0	30	0	0	0	30	0	30
05-Feb-2021	FW	Home Science	Preparation method of nutri rich food for anaemia	Designing and development for high nutrient efficiency diet	Kherva	1	0	3	3	0	25	25	0	28	28
05-Feb-2021	PF	Crop Production	Importance of Bio-fertilizer in organic farming	Balance use of fertilizers	Deloli	1	37	0	37	0	0	0	37	0	37
09-Feb-2021	PF	Animal Science	Use and importance of chelated mineral mixture in animal feed	Animal Nutrition Management	Sabalpur	1	13	0	13	0	0	0	13	0	13
10-Feb-2021	PF	Crop Production	Organic farming	Production and use of organic inputs	Thodmalpura	1	28	0	28	3	0	3	31	0	31
16-Feb-2021	PF	Extension Education	Formation and Promotion of Farmer Producer Organizations (FPOs)	Formation and Management of SHGs	Savala, Kamana, Saduthala	1	34	0	34	1	0	1	35	0	35
19-Feb-2021	PF	Crop Production	Scientific cultivation of Summer sesamum	Integrated Crop Management	KVK	1	25	0	25	0	0	0	25	0	25
19-Feb-2021	FW	Home Science	Drudgery reduction through Improved sickle	Location specific drudgery reduction technologies	Kansa	1	0	12	12	0	0	0	0	12	12

24-Feb-2021	PF	Agricultural Engineering	Post Harvest Technology of Fennel seed	Post Harvest Technology	Saduthla	1	25	9	34	1	4	5	26	13	39
01-Mar-2021	FW	Home Science	Drudgery reduction through improved sickle	Location specific drudgery reduction technologies	Rupal (Haripura)	1	2	9	11	0	0	0	2	9	11
01-Mar-2021	PF	Crop Production	Scientific cultivation of Summer Greengram	Integrated Crop Management	KVK	1	14	9	23	2	0	2	16	9	25
03-Mar-2021	PF	Plant Protection	Use of bio-pesticide in Organic farming	Bio-control of pests and diseases	KVK	1	23	0	23	0	0	0	23	0	23
04-Mar-2021	FW	Home Science	Conservation of nutrients while handling and cooking of food	Minimization of nutrient loss in processing	Sunsi	1	0	26	26	0	0	0	0	26	26
08-Mar-2021	FW	Home Science	Healthcare and balance diet for farm women	Women and child care	KVK	1	3	53	56	0	0	0	3	53	56
10-Mar-2021	PF	Agricultural Engineering	Use of improved various tractor operated farm implements	Repair and maintenance of farm machinery and implements	Kherva	1	12	6	18	8	0	8	20	6	26
10-Mar-2021	PF	Crop Production	organic farming - Nutrient management	Micro nutrient deficiency in crops	KVK	1	32	0	32	0	0	0	32	0	32
16-Mar-2021	PF	Agricultural Engineering	Installation and Maintenance of Micro Irrigation System	Installation and maintenance of micro irrigation systems	KVK	1	30	3	33	4	0	4	34	3	37
22-Mar-2021	PF	Agricultural Engineering	Mulching Technology in Horticultural Crops	Use of Plastics in farming practices	Kahipur	1	23	25	48	3	0	3	26	25	51
26-Mar-2021	FW	Horticulture	Scientific cultivation of Summer vegetable crops	Off-season vegetables	Baliyasan	1	2	33	35	0	1	1	2	34	36
27-Mar-2021	PF	Agricultural Engineering	Use of Various Improved Hand Operated Farm Implements	Production of small tools and implements	Venpura	1	32	9	41	1	0	1	33	9	42
05-Apr-2021	PF	Plant Protection	IPM in Sesamum	Integrated Pest Management	Dhanpura	1	20	0	20	0	0	0	20	0	20
08-Apr-2021	FW	Animal Science	Take care of milking animal in summer season	Dairy Management	Online	1	4	2	6	0	9	9	4	11	15
05-May-2021	EF	Plant Protection	Improved practices for pest and disease management in cotton	Integrated Pest Management	online	1	32	9	41	0	1	1	32	10	42
05-May-2021	EF	Agricultural Engineering	Online Training on Efficient Use Of Water in cotton Crop	Productivity enhancement in field crops	Online	1	32	9	41	0	1	1	32	10	42
11-May-2021	PF	Extension Education	Formation and promotion of farmers producers organisations	Formation and Management of SHGs	Online	1	59	7	66	6	2	8	65	9	74
14-May-2021	PF	Crop Production	Agroforestry - Scientific cultivation of forest crops	Integrated Farming Systems	Online	1	26	13	39	8	4	12	34	17	51
15-May-2021	PF	Crop Production	Agroforestry - Scientific cultivation of forest crops	Integrated Farming Systems	Online	1	42	19	61	10	6	16	52	25	77
16-May-2021	PF	Crop Production	Agroforestry - Scientific cultivation of forest crops	Integrated Farming Systems	Online	1	27	10	37	5	2	7	32	12	44
17-May-2021	PF	Crop	Advance planning for cotton	Integrated Crop Management	Online	1	40	5	45	2	1	3	42	6	48

		Production	cultivation												
18-May-2021	FW	Home Science	Preparation of Mango squash, Jam and Pickle	Value addition	Online	1	0	30	30	0	0	0	0	30	30
18-May-2021	PF	Crop Production	Pre-sowing management in cotton cultivation	Integrated Crop Management	Online	1	44	3	47	4	0	4	48	3	51
19-May-2021	PF	Animal Science	Disease management in dairy animals	Disease Management	Online	1	14	10	24	0	0	0	14	10	24
22-May-2021	PF	Agricultural Engineering	Irrigation management and small improved farm implements use for cotton cultivation	Production of small tools and implements	Online	1	30	4	34	4	0	4	34	4	38
23-May-2021	FW	Animal Science	Health and hygiene management of dairy animals	Disease Management	Online	1	9	11	20	0	0	0	9	11	20
25-May-2021	FW	Home Science	Value addition in tomato	Value addition	Online	1	0	11	11	0	0	0	0	11	11
28-May-2021	PF	Crop Production	Pre sowing management in cotton cultivation	Integrated Crop Management	Online	1	60	1	61	6	0	6	66	1	67
03-Jun-2021	PF	Plant Protection	IPM in Greengram	Integrated Pest Management	Samarapur	1	21	1	22	1	1	2	22	2	24
08-Jun-2021	FW	Animal Science	Production technology of Fodder sorghum	Feed & fodder technology	Khara, Gokalgadh, Amarpura, Malarpura	1	14	18	32	0	0	0	14	18	32
10-Jun-2021	PF	Crop Production	Scientific cultivation of kharif crops	Integrated Crop Management	Samarapur	1	35	7	42	0	0	0	35	7	42
11-Jun-2021	FW	Home Science	Preparation of raw mango squash	Value addition	Venpura	1	0	15	15	0	0	0	0	15	15
15-Jun-2021	PF	Crop Production	Soil health management	Soil fertility management	Chadasna (Becharaji)	1	23	4	27	0	0	0	23	4	27
16-Jun-2021	FW	Animal Science	Disease management in dairy animals	Disease Management	Samarapur	1	0	26	26	0	1	1	0	27	27
18-Jun-2021	PF	Agricultural Engineering	Roof Top Water Harvesting Technology	Soil and Water conservation	Kansa	1	20	2	22	0	0	0	20	2	22
21-Jun-2021	PF	Crop Production	Scientific cultivation of Groundnut	Integrated Crop Management	Laxmipura	1	30	0	30	0	0	0	30	0	30
21-Jun-2021	PF	Crop Production	Scientific cultivation of Groundnut	Integrated Crop Management	Vajapur	1	12	1	13	0	0	0	12	1	13
22-Jun-2021	FW	Animal Science	Health and hygiene management of dairy animals	Disease Management	Sundhiya	1	2	26	28	0	0	0	2	26	28
25-Jun-2021	PF	Agricultural Engineering	Soil and Water Conservation	Soil and Water conservation	Pudgam	1	24	0	24	0	0	0	24	0	24
25-Jun-2021	PF	Crop Production	Scientific cultivation of Bt cotton	Integrated Crop Management	Martoli	1	24	6	30	0	0	0	24	6	30
25-Jun-2021	PF	Extension Education	Role of contract farming in DFI	Group dynamics	Amarpura	1	16	0	16	0	0	0	16	0	16
25-Jun-2021	FW	Home	Use of nutri rich crops in our	Designing and development	Denap	1	0	22	22	0	0	0	0	22	22

		Science	health	for high nutrient efficiency diet											
26-Jun-2021	PF	Crop Production	Scientific cultivation of Blackgram	Integrated Crop Management	Chadasna (Becharaji)	1	29	5	34	0	0	0	29	5	34
28-Jun-2021	PF	Extension Education	Marketing Channels for enhancing The Income of Farm Produce	Mobilization of social capital	Shiyapura	1	18	0	18	0	0	0	18	0	18
29-Jun-2021	FW	Home Science	Importance of Kitchen Gardening	Household food security by kitchen gardening and nutrition gardening	Venpura	1	0	22	22	0	0	0	0	22	22
30-Jun-2021	PF	Extension Education	Capacity building of member of farmers producer organization	Leadership development	Savala	1	21	0	21	0	0	0	21	0	21
01-Jul-2021	FW	Home Science	Importance of kitchen gardening	Household food security by kitchen gardening and nutrition gardening	Rajgadhdh	1	1	17	18	0	0	0	1	17	18
05-Jul-2021	PF	Extension Education	Different technologies for doubling farmers income	Mobilization of social capital	Amudh, Motidau	1	40	0	40	0	0	0	40	0	40
05-Jul-2021	EF	Crop Production	Scientific cultivation of Bt cotton	Integrated Crop Management	Online	1	15	30	45	0	14	14	15	44	59
06-Jul-2021	EF	Plant Protection	Pests and diseases management practices in cotton crop	Integrated Pest Management	online	1	15	30	45	0	14	14	15	44	59
07-Jul-2021	EF	Agricultural Engineering	Sustainable practices of IWM in cotton	Productivity enhancement in field crops	Online	1	15	30	45	0	14	14	15	44	59
08-Jul-2021	RY	Home Science	Online training on self employment opportunities	Value addition	Online	1	10	53	63	0	0	0	10	53	63
08-Jul-2021	PF	Agricultural Engineering	Rain water harvesting technology	Soil and Water conservation	Ghaghret	1	24	6	30	0	0	0	24	6	30
09-Jul-2021	PF	Crop Production	Weed management in Kharif crops	Weed Management	Ijpura Barot	1	31	0	31	0	0	0	31	0	31
10-Jul-2021	RY	Plant Protection	Preparation of bio-pesticides for organic farming	Production of organic inputs	Sobhasan	1	29	0	29	1	0	1	30	0	30
10-Jul-2021	PF	Crop Production	Scientific cultivation of Blackgram	Integrated Crop Management	KVK	1	16	2	18	0	0	0	16	2	18
13-Jul-2021	PF	Agricultural Engineering	Rain water harvesting technology	Soil and Water conservation	ganeshpura	1	21	0	21	0	0	0	21	0	21
13-Jul-2021	FW	Home Science	Importance of kitchen garden	Household food security by kitchen gardening and nutrition gardening	Navapura	1	3	22	25	0	0	0	3	22	25
16-Jul-2021	PF	Crop Production	Nutrient Management in BT Cotton	Integrated nutrient management	Saduthla	1	36	24	60	0	0	0	36	24	60
21-Jul-2021	FW	Animal Science	Use and Importance of Probiotic in dairy animals	Animal Nutrition Management	Malapura	1	0	20	20	0	0	0	0	20	20
26-Jul-2021	FW	Animal Science	Feed management in dairy animals	Feed & fodder technology	Navapura	1	1	15	16	0	0	0	1	15	16

28-Jul-2021	FW	Animal Science	Use and Importance of Chelated Mineral mixture in dairy animals	Animal Nutrition Management	Khatoda	1	5	25	30	0	0	0	5	25	30
31-Jul-2021	PF	Plant Protection	IPM in groundnut	Integrated Pest Management	Laxmipura	1	31	0	31	0	0	0	31	0	31
02-Aug-2021	PF	Plant Protection	IPM and IDM in Cotton	Integrated Disease Management	Kamalpur	1	29	0	29	0	0	0	29	0	29
03-Aug-2021	FW	Animal Science	Use and importance of chelated mineral mixture in animal feed	Animal Nutrition Management	Sametra	1	0	13	13	0	14	14	0	27	27
05-Aug-2021	PF	Crop Production	Scientific cultivation of Castor	Integrated Crop Management	KVK	1	25	0	25	0	0	0	25	0	25
09-Aug-2021	PF	Plant Protection	Management of pink bollworm in cotton	Bio-control of pests and diseases	Laxmipura	1	24	0	24	0	0	0	24	0	24
11-Aug-2021	FW	Home Science	Effect of nutritional deficiency in human being	Women and child care	Venpura	1	0	21	21	0	0	0	0	21	21
11-Aug-2021	EF	Plant Protection	Integrated approaches for pest management in cotton	Integrated Pest Management	KVK	1	16	5	21	2	0	2	18	5	23
12-Aug-2021	FW	Home Science	Effect of nutritional deficiency in human being	Women and child care	Navapura (Vadnagar)	1	3	31	34	0	0	0	3	31	34
14-Aug-2021	PF	Crop Production	Organic farming	Production and use of organic inputs	Ranipura	1	35	12	47	0	0	0	35	12	47
16-Aug-2021	PF	Plant Protection	IPM in blackgram	Integrated Pest Management	Chadasana	1	24	0	24	0	0	0	24	0	24
17-Aug-2021	EF	Crop Production	Awareness on new technology in BT Cotton cultivation	Integrated Crop Management	KVK	1	10	8	18	5	0	5	15	8	23
19-Aug-2021	PF	Crop Production	INM in kharif crops	Integrated nutrient management	Rupal	1	32	2	34	0	0	0	32	2	34
25-Aug-2021	PF	Agricultural Engineering	Use of improved small farm implements in agriculture	Repair and maintenance of farm machinery and implements	KVK	1	42	0	42	1	0	1	43	0	43
26-Aug-2021	FW	Home Science	Healthcare and balance diet for farm women	Women and child care	KVK	1	3	42	45	0	0	0	3	42	45
27-Aug-2021	FW	Animal Science	Use and Importance of By pass protein in animal diet	Animal Nutrition Management	KVK	1	3	22	25	0	0	0	3	22	25
07-Sep-2021	FW	Home Science	Value addition in seasonal fruits and vegetables	Value addition	KVK	3	0	40	40	0	0	0	0	40	40
11-Sep-2021	PF	Plant Protection	Sucking pests and pink bollworm management in cotton	Bio-control of pests and diseases	Kamalpur (Vijapur)	1	36	0	36	0	0	0	36	0	36
13-Sep-2021	FW	Animal Science	Scientific dairy farming	Dairy Management	KVK	3	0	38	38	0	0	0	0	38	38
17-Sep-2021	FW	Home Science	Preparation of nutritional diet from Bajri	Design and development of low/minimum cost diet	KVK	1	1	30	31	0	0	0	1	30	31
20-Sep-2021	PF	Crop Production	Good agricultural practices for sustainable farming	Resource Conservation Technologies	KVK	3	44	0	44	4	0	4	48	0	48

22-Sep-2021	EF	Home Science	Nutrition awareness programme for Anganwadi workers	Women and Child care	KVK	1	1	49	50	0	6	6	1	55	56
27-Sep-2021	FW	Extension Education	Role of women and Gender Issues for Technological Empowerment in Agriculture	Leadership development	KVK	3	0	39	39	0	0	0	0	39	39
30-Sep-2021	FW	Crop Production	Scientific cultivation of Drumstick	Crop Diversification	KVK	1	0	22	22	0	0	0	0	22	22
30-Sep-2021	FW	Animal Science	Disease management in dairy animals	Disease Management	KVK	1	0	17	17	0	0	0	0	17	17
01-Oct-2021	FW	Animal Science	Indigenous treatment for various animal diseases	Disease Management	Thalota	1	0	25	25	0	0	0	0	25	25
12-Oct-2021	PF	Crop Production	Scientific cultivation of Mustard	Integrated Crop Management	KVK	1	29	0	29	0	0	0	29	0	29
14-Oct-2021	FW	Animal Science	Use and Importance of chelated mineral mixture in dairy animals	Animal Nutrition Management	KVK	1	1	27	28	0	0	0	1	27	28
14-Oct-2021	FW	Home Science	Importance of green leafy vegetables in diet	Design and development of low/minimum cost diet	Sundhiya	1	0	23	23	0	0	0	0	23	23
16-Oct-2021	FW	Home Science	Seasonable fruits and vegetables uses in our daily diet	Designing and development for high nutrient efficiency diet	KVK	1	2	42	44	0	0	0	2	42	44
18-Oct-2021	PF	Horticulture	Scientific cultivation of Cumin	Production and Management technology	KVK	1	10	0	10	0	0	0	10	0	10
19-Oct-2021	PF	Plant Protection	IPM in Castor	Integrated Pest Management	Venpura and khavad	1	25	0	25	0	0	0	25	0	25
20-Oct-2021	RY	Crop Production	Soil and water analysis methodology	Soil and Water Testing	KVK	2	0	7	7	0	7	7	0	14	14
22-Oct-2021	RY	Crop Production	Soil and water analysis methodology	Soil and Water Testing	KVK	2	19	0	19	8	0	8	27	0	27
23-Oct-2021	FW	Home Science	Food management for pregnant women and adult girls	Women and child care	Navapura(Vad nagar)	1	0	41	41	0	0	0	0	41	41
25-Oct-2021	PF	Crop Production	Scientific cultivation of Chickpea	Integrated Crop Management	KVK	1	26	0	26	0	0	0	26	0	26
26-Oct-2021	RY	Crop Production	Soil and water analysis methodology	Soil and Water Testing	KVK	2	24	0	24	5	0	5	29	0	29
26-Oct-2021	PF	Plant Protection	IPM in fennel	Integrated Pest Management	Ralisana	1	26	2	28	0	0	0	26	2	28
28-Oct-2021	FW	Home Science	Food management for pregnant women and adult girls	Women and child care	Venpura	1	0	20	20	0	0	0	0	20	20
28-Oct-2021	PF	Crop Production	Prakrutik kheti	Cropping Systems	KVK	1	34	0	34	0	0	0	34	0	34
30-Oct-2021	PF	Crop Production	Scientific cultivation of Wheat	Integrated Crop Management	KVK	1	40	0	40	0	0	0	40	0	40

30-Oct-2021	PF	Crop Production	Prakrutik kheti	Resource Conservation Technologies	KVK	1	35	0	35	0	0	0	35	0	35
15-Nov-2021	PF	Extension Education	Income enhancement through Scientific Agriculture Approach	Group dynamics	Sankhalpur	1	19	2	21	0	0	0	19	2	21
17-Nov-2021	PF	Crop Production	Prakrutik kheti	Integrated Farming	KVK	1	19	13	32	0	0	0	19	13	32
18-Nov-2021	FW	Home Science	Preparation method of aonla laddoo, pachan aonla and juice	Value addition	Hasanpur	1	0	22	22	0	0	0	0	22	22
23-Nov-2021 26-Nov-2021, 2 Days	FW	Animal Science	Capacity buiding on Scientific dairy farming	Dairy Management	KVK	3	0	40	40	0	0	0	0	40	40
23-Nov-2021	PF	Extension Education	Income enhancement and employment generation through FPO	Entrepreneurial development of farmers/youths	Udalpur	1	46	11	57	5	0	5	51	11	62
04-Dec-2021	EF	Plant Protection	Pesticides management for existing insectides licensees	Integrated Pest Management	KVK	12	39	0	39	1	0	1	40	0	40
06-Dec-2021	PF	Plant Protection	IPM for aphid management in Mustard	Bio-control of pests and diseases	Saduthla AND chhathiyarda	1	25	2	27	0	0	0	25	2	27
10-Dec-2021	PF	Agricultural Engineering	Interculturing operation through improved small farm implement wheelhoe in spice crop	Production of small tools and implements	KVK	1	18	2	20	1	1	2	19	3	22
11-Dec-2021	EF	Plant Protection	Different IPDM modules used for rabi spice and oilseed crops.	Productivity enhancement in field crops	KVK	1	17	7	24	2	2	4	19	9	28
16-Dec-2021	PF	Crop Production	Prakrutik Kheti	Cropping Systems	KVK	1	39	17	56	0	0	0	39	17	56
17-Dec-2021	PF	Plant Protection	Integrated pest managemnt for pod borer in chickpea (PP)	Integrated Pest Management	Laxmipura	1	29	0	29	0	0	0	29	0	29
17-Dec-2021	FW	Home Science	Preparation of aonla juice, laddoo and jam	Value addition	KVK	1	3	16	19	0	0	0	3	16	19
20-Dec-2021	RY	Home Science	Value addition in aonla	Value addition	Umata	4	0	21	21	0	0	0	0	21	21
27-Dec-2021s	PF	Crop Production	Prakrutik kheti	Production of organic inputs	KVK	3	35	0	35	4	0	4	39	0	39
28-Dec-2021	PF	Crop Production	Prakrutik kheti	Resource Conservation Technologies	KVK	1	27	4	31	0	2	2	27	6	33
30-Dec-2021	PF	Agricultural Engineering	Improved hand operated small tools for cutting of castor spike	Production of small tools and implements	KVK	1	27	4	31	0	2	2	27	6	33
				Total (134 Training)			2431	1578	4009	109	134	243	2540	1712	4252