ICAR-ATARI, Pune DETAILS OF ANNUAL PROGRESS REPORT OF KVKs DURING 2021 (January 2021 to December 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	Office	FAX	<u>kvksurat@</u>	www.nau.in
Navsari Agricultural University	(0261) -2655565	(0261)	<u>nau.in</u>	kvk.icar.gov.in
Athwa Farm, Surat		2668045 pp		
Dist. Surat, Gujarat-395007				

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

Address	Telephone		E mail	Website
	Office	FAX		address
Director of Extension Education	(02637)	(02637)	dee@nau.i	www.nau.in
Navsari Agricultural University	282026	282706	n	
Navsari				

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

Name	Telephone / Contact					
	Office	Mobile	Email			
Dr. J. H. Rathod	0261 655565	81286867	hariom.janaksinh@gmail.com			
		20				

1.4. Date and Year of sanction: 2012

1.5. Staff Position (as on December, 2021)

					If Perm	anent,		If
					Please in	ndicate		Tempora
Sl. No.	Sanctioned post	Name of the incumbe nt	<mark>Mobile</mark> No.	Discipli ne	Curre nt Pay Band	Curr ent Grad e Pay	Date of joinin g	ry, pl. indicate the consolida ted amount paid (Rs./mon th)
1.	Senior Scientist and	Dr. J. H.	8128686	Entomol	13140		16.11.1	Temporar
	Head	Rathod	720	ogy	0-		6	У
					21710			(189994)
					0			
2.	Subject Matter	Dr. R. K.	9979892	Crop	68900-		01.02.1	Temporar
	Specialist	Patel	927	Protecti	20550		9	У

				on	0		(103059)
3.	Subject Matter			Animal	Vacant		
	Specialist			Husbandr			
				У			
4.	Subject Matter	Mr. S. J.	9429018	Agrono	68900-	 01.06.1	Temporar
	Specialist	Trivedi	082	my	20550	8	y
_	Seele is at Matter	Curt D D	0662421	II	0	 20.01.1	(112158)
5.	Subject Matter	SML B. B.	9662431	Horticul	57700-	 20.01.1	Temporar
	specialist	Fanchai	040	luie	16240	/	y (78834)
6	Subject Matter	Smt G I	8511178	Home	68900-	 05 02 1	Temporar
0.	Specialist	Bhimani	903	Science	20550	6	v
	~p••••		,	Serence	0	Ũ	(100059)
7.	Subject Matter			Extensio	Vacant		
	Specialist			n			
8.	Programme Assistant	Mr. A. T.	9687614		39900-	 12.07.1	Temporar
		Patel	098		12660	2	У
					0		(54880)
9.	Computer Programmer	Mr. C. G.	9979393		39900-	 10.08.1	Temporar
		Lad	220		12660	5	y
10	Former Monogon		0596292		0	10.00.1	(54880)
10.	Farm Manager	MIT. I. D. Potol	9580585		39900- 12660	 10.08.1	Temporar
			403		0	5	y (56501)
11	Accountant/Superinten	Mrs B C	9925269		35400-	 01 07 1	Temporar
11.	dent	Patel	266		11240	7	v
					0		(61455)
12.	Stenographer	Mrs. J. M.	9426760		25500-	 19.08.1	Temporar
		Verma	841		81100	5	y
							(30375)
13.	Driver 1	Vacant				 	
14.	Driver 2	Vacant				 	
15.	Supporting staff 1	Vacant				 	
16.	Supporting staff 2	Vacant				 	

1.6. Total land with KVK (in ha):

S. No.	Item	Area (ha)
1	Under Buildings	1.73
2.	Under Demonstration Units	1.00
3.	Under Crops	10.80
4.	Horticulture	0.75
5.	Pond	
6.	Others if any (Specify)	

Infrastructural Development: Buildings 1.7.

A)

S.	Name of	Source	Stage		
No.	building	of	Complete	Incomplete	

		funding	Completion Year	Plinth area (Sq. m)	Expenditure (Rs.)	Starting year	Plinth area (Sq. m)	Status of construction
1.	Administrative Building		Under Construction					
2.	Farmers Hostel		construction					
3.	Staff Quarters (6)							
4.	Demonstration Units (2)							
5	Fencing							
6	Rain Water harvesting system							
7	Threshing floor							
8	Farm godown							
9	ICT lab							
10	Other							
	1							

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Running	Present status
Jeep (Tata)	2012	599999	220000	Working
Tractor	2012	549900	1027(h)	Working

C) Equipments& AV aids

Name of the equipment / Implements	Year of purchase	Cost (Rs.)	Present status
Cultivator	2012-13	22500	Working
Plough	2012-13	22500	Working
Lenovo Computer with printer- 4	2015-16	162816	Working
Canon printer- 4	2015-16	34704	Working
Canon Copier machine	2015-16	47565	Working
Multi- media projector-2	2015-16	103691	Working
DSLR Camera	2015-16	39555	Working
Digital camera	2015-16	10305	Working
Multicrop Thresher	2016-17	180000	Working
Rotavetor	2016-17	67210	Working
Disc Harrow	2016-17	95000	Working
Multicrop seed cum fertilizer drill	2016-17	42000	Working
Bund former	2016-17	18000	Working
Cage wheel	2016-17	30450	Working
Ridger (with danti)	2016-17	13125	Working
Hydrulic luggage box	2016-17	16800	Working
V Ditcher	2016-17	12600	Working
Plank	2016-17	32550	Working
RO water purifier with cooler	2016-17	78000	Working

Mrida Parikshak Soil Testing	2016-17	86000	Working	
minilab-kit				
A/C-2	2016-17	80,000	Working	
Tractor mounted sprayer	2018-19	13806	Working	
Brush cutter	2018-19	24632	Working	

1.8. Details of SAC meeting conducted in the year:

Proceeding of 10th Scientific Advisory Committee Virtual Meeting of Krishi Vigyan Kendra, NAU, Surat held on 25/01/2022 at 03:30 p.m.

The Tenth Scientific Advisory Committee Meeting of Krishi Vigyan Kendra, NAU, Surat was held at KVK, Surat on 25th January, 2021 on virtual mode to review the progress made by KVK during last year (01-01-2021 to 31-12-2021) and to discuss the future action plan for the next year (January-2022 to December-2022). The meeting was chaired by Dr. Z. P. Patel, Hon'ble Vice Chancellor, Navsari Agricultural University, Navsari, Dr.T.R.Ahlawat, Director of Research and Dean PG studies, NAU, Navsari, Dr. C. K. Timbadia, Director of Extension Education, NAU, Navsari, Dr.Lakhansinh, Director, ATARI-Pune and Mr. K. S. Patel, Joint Director of Agriculture, Surat grace the meeting. Dr. J. H. Rathod, Member Secretary & Senior Scientist and Head, Krishi Vigyan Kendra, Surat welcomed all the dignitaries, committee members, farmers and other invitees. He presented overall activities and achievements made by the KVK during the mentioned year. Scientists also presented the discipline wise activities & achievements made by them. Activities done by KVK, Surat was appreciated by the house and congratulated the Senior Scientist and Head and his team for addressing the key issues as per the need of the farmers of Surat district. The Action Plan for the next year was also presented before the house and it was approved by the house.

Dr. C. K. Timbadia, Director of Extension Education, NAU, Navsari congratulated team of KVK for good work done during the last year and gave suggestions to give more emphasis on organic/ natural farming during training and to add organic inputs as one of the components of FLD. He also appreciated the collaboration of Krishi Vigyan Kendra, Surat with other line departments.

Dr.Lakhansinh, Director, ATARI-Pune also emphasized the need for documentation of natural farming and one acre demonstration of natural farming plot at each KVK.

Dr. Z. P. Patel, Hon'ble Vice Chancellor appreciated the activities of Krishi Vigyan Kendra, Surat. He wish that Surat-KVK should become model KVK of the country. He advised Scientists to work for urban people also.

9.1 Approval of the minutes of Ninth Scientific Advisory Committee.

The action taken report of the minutes of ninth SAC meeting (Held on 18.12.2020) was presented before the house and it was approved by the Scientific Advisory Committee.

9.2 Progress made by KVK during 01-02-2021 to 31-12-2021

Senior Scientist and Head and all Scientists of the KVK, NAU, Surat presented the report on progress made by KVK, for the period of 01-01-2021 to 31-12-2021. The committee was satisfied with the activities and achievements made by the KVK.

10.3 Action plan for the period of January 2022 to December 2022.

Discussion was made on the Action Plan for the period of January 2022 to December 2022 which was approved by the house. However, few suggestions were made by the house to strengthen the action plan.

10.3.1	Give FLD on high yielding variety of grain & fodder sorghum.
10.3.2	Include sorghum in natural farming plot
10.3.3	Soil quality parameters especially organic carbon should be measure of natural
	farming plot.
10.3.4	Entrepreneurship development activity like vermicompost, mushroom, honeybee
	should be done
10.3.5	Work on nutritional garden.

10.3.6	Activities regarding peri-urban agriculture/ olericulture/ floriculture/ ornamental/
	vertical gardening.
10.3.7	Provide marketing support to farmers for natural/organic agricultural products.
10.3.8	Mention number of beneficiaries and area in organic inputs.
10.3.9	Support NABARD in FPO formation.
10.3.10	Organize innovative farmers meet.

The meeting was ended with vote of thanks by Dr. J. H. Rathod, Senior Scientist & Head, KVK, NAU, Surat.

Member Secretary & Senior Scientist and Head Krishi Vigyan Kendra, Athwa Farm, Surat

Chairman SAC and Vice – Chancellor Navsari Agricultural University Navsari

Following members and invitees were remained present in 10th Scientific Advisory Committee meeting.

1	Dr. Z. P. Patel	Hon'ble Vice Chancellor, NAU, Navsari	Chairman
2	Dr. Lakhansinh	Director, ATARI-Pune	Member
3	Dr. T. R. Ahlawat	Director of Research and Dean PG Studies, NAU,	Member
4	Dr. C. K. Timberlie	Navsari	Manahan
4	Dr. C. K. Himbadia	Director of Extension Education, NAU, Navsari	Member
5	Shri. K. S. Patel	Joint Director of Agriculture, Surat	Member
6	Dr. Anil R. Chinchmalatpure,	Head, CSSRI (ICAR), RRS, Bharuch	Member
7	Dr. V. P. Usdadia	Professor& Head, Dept. of Agronomy, NMCA, Navsari	Member
8	Dr. D. R. Bhanderi	Professor and Head, Department of Horticulture, NMCA, NAU, Navsari	Member
9	Representative	Research Scientist, LRS, NAU, Navsari	Member
10	Shri. N. K. Gabani	Project Director, ATMA, Surat	Member
11	Mrs.Kuntal Surati	DDM,NABARD,Surat	Member
12	Mr. N. G. Gamit	District Agriculture Officer & Dy.Director of	Member
10	D	Agriculture, Surat	
13	Representative	Priti R. Desai, ADH, Surat	Member
14	Dr. Navin M. Patel	Deputy Director of Animal Husbandry, Surat	Member
15	Representative	Deputy Director of Fisheries, Surat	Member
16	Mr. A. M. Bharada	PrayojanaVahivatdar, Tribal Sub Plan, Mandvi, Dist: Surat	Member
17	Mr. Ashwin Desai	Managing Director, Sumul Dairy, Surat	Member
18	Mr. Ramkumar Singh	Director and Managing trustee, Suruchi Centre, Bardoli	Member
19	Mr. Bharat Patel	Reliance Foundation, Surat	Member
20	Mr.Chaudhary	Lead District Manager, Bank of Baroda, Surat	Member
21	Dr. Santosh	Scientist, Regional Fodder Station, P.ODhamrod, Tal: Mangrol, Dist: Surat	Member
22	Dr. M. C. Patel	Research Scientist (Cotton), Main Cotton Research	Special
		Station, NAU, Surat	Invitee
23	Dr. B. K. Davda	Research Scientist (Sorghum), Main Sorghum	Special
		Research Station, NAU, Surat	Invitee
24	Dr. J. H. Rathod	Senior Scientist and Head, KVK, Surat	Member
			Secretary
25		All 4 Scientists, KVK, Surat	

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	Crop production
2	Crop production and Horticulture
3	Crop production and Livestock
4	Crop production, Horticulture and Livestock

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

a) Soil	type
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Taluka (AES)	Soil texture	Rainfall	Crops	Features
		(mm)		
(AES-1)	Hilly and highly	< 1100	Paddy, Maize,	Highly erosive
Mandvi (30%),	undulating fine		Cotton, Sorghum,	Shallow to medium in
Mangrol (40%),	texture, highly		Pulses	depth
Umarpada	erosive			Poor permeability
				Low to medium N & P
				content
(AES-2)	Leveled, deep,	> 1450	Sugarcane, Paddy,	Poor drainage
Bardoli,	fine textured		Sorghum, Pulses,	Water logging
Choryasi (75%),			Orchards	Very poor permeability
Kamrej,				Poor soil physical
Palasana,				condition
Surat and				Low to medium in N
Mahuva				& P content
(AES-3)	Deep to medium	1000 -	Sorghum, Pulses,	Moderate to severe
Mandvi (70%),	black	1250	Paddy, Cotton, Oil	erosive
Mangrol (60%),			Seeds	Poor soil fertility
Olpad (70%)				Poor irrigation facility
(AES-4)	Coastal plain,	900-1000	Paddy - Cotton,	High salt accumulation
Choryasi (25%),	deep, fine texture,		Sorghum, Pulses,	Poor soil physical
Olpad (30%)	salt affected		Wheat	condition
				High water table
				Water logging
				condition

b) Topography

S. No.	Agro ecological situation	Characteristics	
1	(AES-1)	Hilly and highly undulating fine texture, highly erosive	
2	(AES-2)	Leveled, deep, fine textured	
3	(AES-3)	Deep to medium black	
4	(AES-4)	Coastal plain, deep, fine texture, salt affected	

2.3 Soil Types

S. No	Soil type	Characteristics	Area in ha
1	Inceptisols	Inceptisols are found on the hilly areas	
		as well as along the hill slopes. These	
		soils are shallow to moderately deep	

		and highly eroded. Their texture varies from loamy to clay. Their water holding capacity is moderate. They are moderate	
		acid and high in potash content	
2	Vertisols	Vertisols are found in the midlands and flood plains. These soils are very deep and silty to clay in texture. Their water holding capacity varies with clay content. These soils crack on drying and have poor drainage characteristics. These are moderate in nitrogen low to	
		medium in phosphoric acid and high in potash content	
3	Coastal saline soils	The soils are sandy clay loam to clay in texture. The soil reaction varies with situation ranging from neutral to highly alkaline. These soils are normally medium in fertility.	

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

2.4.1 Field Crops cultivated in the district:

S. No	Сгор	Area (ha)	Production (MT.)	Productivity (Qt./ha)			
Kharif c	Kharif crops						
1	Paddy Irrigated	32907	113858	3460			
2	Paddy rainfed	5701	9349	1640			
3	Kh. Sorghum	11052	14091	1275			
4	Kh. Maize	1245	1942	1560			
5	Pigeon pea irrigated	916	1032	1127			
	Pigeon pea- rainfed	9506	7224	760			
6	Green gram	944	690	651			
7	Urid	1587	415	658			
8	Other pulses	347	183	530			
9	Ground nut	530	816	1540			
10	Sesame	26	11	435			
11	Castor	30	50	1667			
12	Cotton	2352	4515	1920			
13	Soybean	9830	8620	877			
14	Vegetables	31991	0				
15	Fodder	7164	0				
16	Green manuring	7616	0				
	Total	123796	0				
Rabi-su	mmer crops						
1	Paddy (Summer)	2732	12594	4610			
2	Wheat	6305	24570	3942			
3	Sorghum	6305	10863	1723			
4	Maize	862	1873	2174			
5	Bean	824	717	871			
6	Pigeonpea	1085	1334	1230			
7	Greengram summer	2041	1353	663			
8	Gram	1453	1275	878			
9	Groundnut Summer	409	889	2176			

10	Sugarcane	84464	7816298	92540
11	Castor	43	78	1823
12	Mustard	79	93	1186
13	Fodder	2675		-
14	Vegetables	9368	-	-
	Total	118911		

Source: District agriculture department. 2.4.2 Fruit crops cultivated in the district

Crop	Area (Ha.)	Production (MT)	Productivity (MT)
Mango	10049	64615	6.43
Sapota	1820	20092	11.04
Citrus	102	794	7.78
Ber	11	82	7.45
Banana	8692	613829	70.62
Guava	95	1260	13.26
Pomegranate	5	31	6.2
Date Palm	3	4	1.33
Papaya	209	12352	59.10
Custard Apple	8	64	8
Cashew Nut	20	8	0.4
Coconut	243	1946	8.01
Other Fruits	100	894	8.94
Total	21114	714025	33.82

Source: DDH, Surat

2.4.3 Vegetable Crops in the district

Сгор	Area (Ha.)	Production (MT)	Productivity (MT)
Onion	128	2693	21.04
Brinjal	5268	112050	21.27
Cabbage	758	15425	20.35
Okra	13355	188840	14.14
Tomato	1260	27090	21.50
Cauliflower	1285	27203	21.17
Cluster Bean	1945	15521	7.98
Cowpea	1639	20291	12.38
Cucurbitaceae	6421	93275	
Vegetables			14.53
Other Vegetables	5724	97651	17.06
Total	37783	600039	15.88

Source: DDH, Surat

Area and Production of other Vegetable Crops in the district

Сгор	Area (Ha.)	Production (MT)	Productivity (MT)
Greater Yam	14.42	219	5116
Sugarbeet	24.17	159	3930
Carrot	12.11	213	3453
Sweet Potato	7.22	212	3970
Spinach	16.00	218	3567
Radish	15.91	486	8619
Amaranthus	10.04	345	3608
Moringa	9.77	148	1770
Capsicum	12.79	634	9701
Fenugreek	10.30	197	2309

Pea	10.85	68	796
Elephant Foot Yam	14.99	1002	16967
Green Chilli	28.23	1677	31360
Mallet/Mogri	21.56	23	546
Allocasia	9.20	123	1939
Total	17.85	5724	97651

Source: DDH, Surat

2.4.4 Flower Crops in the district

Сгор	Area(Ha.)	Production (MT)	Productivity(MT)
Rose	63	582	9.24
Marigold	218	2170	9.95
Jasmine (Mogra)	6	26	4.33
Lily	58	570	9.83
Other Flowers	71.80	659	9.18
Total	416.8	4007	9.61

Source: DDH, Surat

2.4.5 Spices Crops in the district

Crop	Area (Ha.)	Production (MT)	Productivity (MT)
Dry Chilli	98	145	1.48
Garlic	10	52	5.20
Coriander	36	54	1.50
Ginger	112	1956	17.46
Turmeric	418	9104	21.78
Fenugreek	107	205	1.92
Ajwain	5	5	1.00
Dilseed	7	8	1.14
Total	793	11529	14.54

Source: DDH, Surat

2.5. Weather data (2021)

M 41-	D	Tempera	ture (⁰ C)	Relative Humidity (%)		
Month	Kainiali (mm)	Maximum	Minimum	Maximum	Minimum	
January 2021	0	29.4	15.3	89	60	
February 2021	0	32.9	17.1	78	46	
March 2021	0	36.3	21.2	80	45	
April 2021	0	37.2	25.8	89	31	
May 2021	151.5	35.9	27.9	87	45	
June 2021	333.5	33.8	27.1	93	64	
July 2021	194.5	32.5	26.6	92	70	
August 2021	196.0	31.4	24.9	96	72	
September 2021	642.0	31.0	25.9	99	77	
October 2021	22.0	34.0	22.6	95	46	
November 2021	4.5	33.7	22.6	70	35	
December 2021	56.0	29.2	18.2	86	43	
Total	1600	397.32	275.20	1054	634	

Source: AWS, Surat (2021)

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

Category	Population	Production	Productivity
Cattle			
Crossbred	289402	134000	7.9 liters

Indigenous	289402	44000	3.8 liters
Indigenous	207402	44000	5.6 ners
Buffalo	300282	192000	4.6 liters
Sheep	1936	-	-
Goats	150464	5000	-
Pigs			
Crossbred	94000	-	-
Indigenous	68000	-	-
Rabbits	-	-	-
Poultry			
Hens	204000	55100	-
Desi	10000	-	-
Category		Production (Q.)	Productivity
Fish (Reservoir)	5	10414	-

Source: DAH, Surat

2.7. Details of Operational area / Villages

Taluka	Name of the block	Name of the village	Major crops & enterprises	Major problems identified	Identified Thrust Areas
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				1.The productivity of	
				crop is very low due to	
				lack of technical	
				Imoushow recording its	
				knownow regarding its	
				scientific cultivation	
				2. Okra, brinjal and	
				creepers are important	
				crops but the productivity	1. Increase productivity
				is very low problem of	of major crops e.g.
				insect pests and disease	Paddy sugarcane
				No tochnical knowhow	2 Dissemination of
				No teeninear knownow	reduction technology
				regarding green nouse net	of fruits and us not allos
				nouse technology and	of fruits and vegetables
				crops	and their post harvest
					management as well
				Lack of technical	promotion of precision
				knowhow about mango	farming.
				orchards plantation and	3.Management of
				management	natural resource.
				B	including salinity
				2 High use of motor in	management
				3. High use of water in	management
	1	TT		canal command area and	
	1.	Umra	Paddy, Sugarcane,	water scarcity in hilly	4. Popularize eco-
	2.	Vasrai	Pointed gourd, Okra,	area	friendly crop
	3.	Dhundh	Brinjal, Vegetables,	4.Lack of knowledge	production with special
Mahuva		esa	Mango	about Insect pests and	reference to IPDM &
	4.	Vadia	Crop production-	diseases and their	INM.
			Horticulture-Livestock	management and nutrient	
				management in crops like	5. Increasing milk
				naddy sugar cane okra	production by
				creeners etc	dissemination of latest
				Injudicious uso of	technologies
				fortilizens og directicides	teennologies.
				It is in a large for the	C Turner (* 1.11)
				High incidence of wilt	6. Imparting skill
				and parval vine borer in	oriented training to the
				pointed gourd.	tribal women for
					sustaining their
				5.Low milk productivity	livelihood.
				High calf mortality	
				Problem of anoestrus	7. Promotion of small
				Lack of awareness about	scale farm
				Feeds and fodder	mechanization in tribal
				management	aroo
				management	area.
				<pre>cx 1 c1 c1 -</pre>	
				6.Lack of knowledge of	
				small scale agricultural	
				base enterprises, value	
				addition etc.	
				7. Drudgery reduction	
				through improved hand	
				tools.	

	Mandvi	1. 2. 3. 4.	Amba Parvat Uteva Titoi	Paddy, Sugarcane, Brinjal, Okra, Cluster bean , Vegetables, Pulses, Soybean, Groundnut Crop production- Horticulture-Livestock	 The productivity of crop is very low due to lack of technical knowhow regarding its scientific cultivation Brinjal and okra are important crops but the productivity is very low, problem of insect pests and disease No technical know how regarding green house net house technology and crops Lack of technical knows how about mango orchards plantation and management. High use of water in canal command area and water scarcity in hilly area Lack of knowledge about Insect pests and diseases and their management and nutrient management in crops like paddy sugar cane, okra, creepers etc, Injudicious use of fertilizers and pesticides High incidence of wilt and fruit and shoot borer in brinjal Low milk productivity High calf mortality Problem of anoestrus Lack of awareness about Feeds and fodder management Lack of knowledge of small scale agricultural base enterprises, value addition etc. Drudgery reduction through improved hand tools. 	 Increase productivity of major crops e.g. Paddy, sugarcane, Soybean Dissemination of production technology of fruits and vegetables and their post harvest management as well promotion of precision farming. Management of natural resource, including salinity management Popularize eco- friendly crop production with special reference to IPDM & INM. Increasing milk production by dissemination of latest technologies. Imparting skill oriented training to the tribal women for sustaining their livelihood. Promotion of small scale farm mechanization in tribal area.
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U	Jmarpa da	1. 2. 3. 4.	Kadvali Kadavid adra Vadpad a Khotara mpura	Paddy, Brinjal, Okra, Cotton, Pulses, Soybean, Groundnut Crop production - Livestock	crop is very low due to lack of technical knowhow regarding its scientific cultivation 2. Indian bean is an important crops but the productivity is very low, problem of insect pests and disease Lack of technical knowhow about orchards plantation and management. 3. Water scarcity in rabi / summer due hilly area 4.Lack of knowledge about Insect pests and diseases and their management and nutrient management in crops like paddy vegetables etc, No use of bio fertilizers 5.Low milk productivity High calf mortality Problem of anoestrus Lack of awareness about Feeds and fodder management Large no of non descript animals 6. Lack of knowledge of small scale agricultural base enterprises, value addition etc.	 Increase productivity of major crops e.g. Paddy, cotton, sorghum, pigeon pea Dissemination of production technology of fruits and vegetables and their post harvest management as well promotion of precision farming. Management of natural resource, including salinity management Popularize eco- friendly crop production with special reference to IPDM & INM. Increasing milk production by dissemination of latest technologies. Imparting skill oriented training to the tribal women for sustaining their livelihood. Promotion of small scale farm mechanization in tribal area.
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	Vlangro 1	1. 2. 3.	Balethi Mandan Ghodba r	Paddy, Sorghum, Cotton, Pulses, Groundnut Crop production- Livestock	crop is very low due to lack of technical knowhow regarding its scientific cultivation 2. Okra, brinjal and creepers are crops but the productivity is very low, problem of insect pests and disease No technical knowhow regarding net house technology and crops Lack of technical knowhow about plantation and management. 3. Water scarcity in hilly area and rain fed farming 4. Lack of knowledge about Insect pests and diseases and their management and nutrient management in crops like paddy sugar cane, okra, creepers etc, Injudicious use of fertilizers and pesticides High incidence of wilt and parval vine borer in pointed gourd. 5. Low milk productivity High calf mortality Problem of anoestrus Lack of awareness about Feeds and fodder management 6. Lack of knowledge of small scale agricultural base enterprises, value addition etc.	 Increase productivity of major crops e.g. Paddy, cotton, sorghum Dissemination of production technology of fruits and vegetables and their post harvest management as well promotion of precision farming. Management of natural resource, including salinity management Popularize eco- friendly crop production with special reference to IPDM & INM. Increasing milk production by dissemination of latest technologies. Imparting skill oriented training to the tribal women for sustaining their livelihood. Promotion of small scale farm mechanization in tribal area.
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pad 2	1. Mandro i 2. Bhatga m	Paddy, Sugarcane, Pointed gourd, Okra, vegetables Crop production- Livestock	crop is very low due to lack of technical knowhow regarding its scientific cultivation 2. Okra and creepers are important crops but the productivity is very low, problem of insect pests and disease No technical knowhow regarding green house net house technology and crops Lack of technical knowhow about fruit crops cultivation. 3. High use of water in canal command area and salinity problem in coastal area 4. Lack of knowledge about Insect pests and diseases and their management and nutrient management in crops like paddy sugar cane, okra, creepers etc, Injudicious use of fertilizers and pesticides High incidence of wilt and parval vine borer in pointed gourd. 5. Low milk productivity High calf mortality Problem of anoestrus Lack of awareness about	 Increase productivity of major crops e.g. Paddy, sugarcane Dissemination of production technology of fruits and vegetables and their post harvest management as well promotion of precision farming. Management of natural resource, including salinity management Popularize eco- friendly crop production with special reference to IPDM & INM. Increasing milk production by dissemination of latest technologies. Imparting skill oriented training to the tribal women for sustaining their livelihood. 	
	pad	pad 1. Mandro i 2. Bhatga m	pad 1. Mandro i 2. Bhatga m Crop production- Livestock	 pad Mandro i Mandro i Paddy, Sugarcane, Pointed gourd, Okra, vegetables Crop production-Livestock Bhatga m Crop production-Livestock Shatga m Crop production-L	 Padd 1. Mandro i 1. Mandro i

Kan	nrej	1. 2.	Karjan Choryas i	Sugarcane, Banana, Paddy, Vegetables Crop production- Horticulture-Livestock	 The productivity of crop is very low due to lack of technical knowhow regarding its scientific cultivation Banana is an important crop but the problem of insect pests and disease No technical knowhow regarding green house net house technology and crops High use of water in canal command area problem of water logging Lack of knowledge about Insect pests and diseases and their management and nutrient management in banana 	 Increase productivity of major crops e.g. sugarcane Dissemination of production technology of fruits and vegetables and their post harvest management as well promotion of precision farming. Management of natural resource, including salinity management Popularize eco- friendly crop production with special reference to IPDM & INM.
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В	ardoli	1. 2. 3.	Balda Rajvad Afva	Paddy, Sugarcane, Banana, Brinjal, Okra, Vegetables Crop production- Horticulture- Livestock	 The productivity of crop is very low due to lack of technical knowhow regarding its scientific cultivation Okra and creepers are important crops but the productivity is very low, problem of insect pests and disease No technical knowhow regarding green house net house technology and crops Lack of technical knowhow about fruit crops cultivation. High use of water in canal command area and salinity problem in coastal area Lack of knowledge about Insect pests and diseases and their management and nutrient management in crops like paddy sugar cane, okra, creepers etc, Injudicious use of fertilizers and pesticides High incidence of wilt and parval vine borer in pointed gourd. Low milk productivity High calf mortality Problem of anoestrus Lack of awareness about 	 Increase productivity of major crops e.g. Paddy, sugarcane Dissemination of production technology of fruits and vegetables and their post harvest management as well promotion of precision farming. Management of natural resource, including salinity management Popularize eco- friendly crop production with special reference to IPDM & INM. Increasing milk production by dissemination of latest technologies. Imparting skill oriented training to the tribal women for sustaining their livelihood.
					5.Low milk productivity High calf mortality Problem of anoestrus Lack of awareness about Feeds and fodder management	sustaining their livelihood.
					6.Lack of knowledge of small scale agricultural base enterprises, value addition etc.	

	Chorya si	1. 2. 3.	Bhatha Bhatpor Budia	Paddy, Pointed gourd, Sorghum, Vegetables Crop production- Livestock	 The productivity of crop is very low due to lack of technical knowhow regarding its scientific cultivation No technical knowhow regarding green house net house technology and crops High use of water in canal command area problem of water logging Lack of knowledge about Insect pests and diseases and their management and nutrient management in banana 	 Increase productivity of major crops e.g. sugarcane Dissemination of production technology of fruits and vegetables and their post harvest management as well promotion of precision farming. Management of natural resource, including salinity management Popularize eco- friendly crop production with special reference to IPDM & INM. Imparting skill oriented training to the tribal women for sustaining their livelihood.
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2.8. Priority thrust areas:

- 1. Increase productivity of major crops e.g. Paddy, Cotton, Sorghum, sugarcane, pulses
- 2. Dissemination of production technology of fruits and vegetables and their post harvest management as well promotion of precision farming.
- 3. Management of natural resource, including salinity management
- 4. Popularizing of location specific farming system
- 5. Popularize eco-friendly crop production with special reference to IPDM & INM.
- 6. Increasing milk production by dissemination of latest technologies.
- 7. Imparting skill oriented training to the tribal women for sustaining their livelihood.
- **8.** Promotion of small scale farm mechanization in tribal area
- **9.** Value addition in Fruits, Vegetables & pulses

3. TECHNICAL ACHIEVEMENTS

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

	OFT				FLD				
1				2					
Number of OFTs Number of farmers			of farmers	Numb	er of FLDs	Number	of farmers		
Targets	Achieveme	Targets	Achieveme	Targets	Targets Achievemen		Achieveme		
	nt		nt		t		nt		
8	7	30	40		1957		1957		

Training	Extension Programmes
3	4

Number of Courses		Number of Participants		Nu Pro	mber of grammes	Number of participants		
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement	
100	138	2500	5598	708	924	5438	81729	

Seed Produ	uction (Qtl.)	Planting materials (Nos.)			
	5	6			
Target	Achievement	Target	Achievement		
Paddy-	GNR-3:84.00	3000 vegetable	3525 vegetable		
GNR-3:150.00	GR-17:162.50	seedlings	seedlings		
GR-17: 25.00	Pulse (GM-6): 5.5				
Pulse (GM-6): 10.00	Oil Seeds (NRC-37):				
Oil Seeds (NRC-	40.00				
37):0.00					

Livestock, poultry str	ains and fingerlings (No.)	Bio-pr	oducts (Kg)
	7		8
Target	Achievement	Target	Achievement
0	0	0	0

3.1. B. Operational areas details during 2021

S. No.	Major crops & enterprises being practiced in cluster of villages	Prioritized problems in these crops/ enterprise	Extent of area (ha/No.) affected by the problem in the district	Name of Cluster Villages identified for interventions	Interventions (OFT, FLD, Training, extension activity etc.)*
1	Paddy, Sugarcane, Pointed gourd, Okra, Brinjal, Vegetables, Mango Crop production-Horticulture- Livestock	Use of local variety High seed rate, Imbalance use of fertilizers, No use of bio fertilizer		Umra Vasrai Dhundhesa Vadia	OFT, FLD, Training, extension activity
2	Paddy, Sugarcane, Brinjal, Okra, Cluster bean , Vegetables, Pulses, Soybean, Groundnut Crop production- Horticulture- Livestock	Use of local variety in brinjal Imbalance use of fertilizers in crops No use of bio- fertilizers No knowledge about post harvest management and processing Low technical know house regarding green house/ net house and production technology		Amba Parvat Uteva Titoi	OFT, FLD, Training, extension activity
3	Paddy, Brinjal, Okra, Cotton, Pulses, Soybean, Groundnut Crop production – Livestock	Lack of knowledge about disease and insect pest management. Injudicious use of pesticides Lack of knowledge about Bio- fungicides		Kadvali Kadavidadra Vadpada Khotarampura	OFT, FLD, Training, extension activity
4	Paddy, Sorghum, Cotton, Pulses, Groundnut Crop production- Livestock	Poor dairy management Large number of non-descript animals with low milk production Poor availability of fodder in hilly area. Poor cultivation of fodder crops High calf mortality due to poor management		Balethi Mandan Ghodbar	OFT, FLD, Training, extension activity
5	Paddy, Sugarcane, Pointed gourd, Okra, vegetables Crop production-Livestock	In hilly area problem of water conservation In middle canal command area due to excess irrigation problems of water logging and salinity In coastal area salinity problem		Mandroi Bhatgam	OFT, FLD, Training, extension activity

6	Sugarcane, Banana, Paddy,	Imbalance use of fertilizers lack of	 Karjan	OFT, FLD, Training,
	vegetables	awareness about use of bio-tertilizers	Choryasi	extension activity
	Crop production-Horticulture-			
	Livestock			
7	Paddy, Sugarcane, Banana, Brinjal,	Lack of knowledge about value	 Balda	OFT, FLD, Training,
	Okra, Vegetables	addition of locally available materials	Rajvad	extension activity
		Lack of knowledge, skills regarding	Afva	
	Crop production- Horticulture-	various small scale agricultural based		
	Livestock	enterprises		
8	Paddy, Pointed gourd, Sorghum,	Imbalance use of fertilizers lack of	 Bhatha	OFT, FLD, Training,
	Vegetables	awareness about use of bio-fertilizers	Bhatpor	extension activity
			Budia	
	Crop production-Livestock			

* 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	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Integrated Nutrient	2			1		1				2
Management										
Integrated Pest Management	2									2
Integrated Disease	1									1
Management										
Varietal Evaluation	2		1		1					2
Total	7					2				7

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

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

enterprises			
TOTAL			

B. Achievements on technologies Assessed **B.1.** Technologies Assessed under various Crops

Thematic areas	Сгор	Name of the technology assessed	No. of trials	Number of farmers	Area in ha (Per trail covering all the Technological Options)
Integrated Nutrient	Mango	Assessment of enrich banana sap for yield and quality of mango	2	5	2
Management	Cotton	Use of KNO3 and Novel OLN to increase production in Cotton	3	10	3
Integrated Pest Management	Paddy	Assessment of fungicide for the management of grain discoloration in paddy	3	5	2
	Pigeon Pea	Management of pigeonpea pod borer	3	5	1
Integrated Disease Management	Brinjal	Assessment of pheromone trap technology for the management of <i>Leucinodes orbonalis</i> in Brinjal	3	5	2
Varietal Evaluation	Indian Bean	Assessment of different Indian bean varieties	3	5	2
	Green	Assessment of different variety of Green gram	3	10	3
	gram				
Total			20	45	15

B. 2. Technologies assessed under Livestock and other enterprises: Nil

Thematic areas	Name of the livestock enterprise	Name of the technology assessed	No. of trials	No. of farmers
Evaluation of breeds				
Nutrition management				
Disease management				
Value addition				
Production and management				
Feed and fodder				
Small scale income generating enterprises				
Total				

C. 1. Results of Technologies Assessed

Results of On Farm Trial

Crop Production

OFT 1: Effect of Spraying KNO3 and Novel OLN on yield of Cotton

Treatments: 1) T₁: No Use of KNO₃ (Farmers practices)

- 2) T_2 : 3 % KNO₃ Spraying at squaring, flowering and ball formation stage (2010)
- 3) T₃: 2 % NOVEL OLN at flowering (2018)

Crop	Variety	No. of farmers	Area (ha)	Yield(q/ha)		% increase Over Check		B : C Ratio				
				KNO ₃	Novel OLN	Check	KNO3	Novel OLN	Check	KNO3	Novel OLN	Check
Kharif	-2021											
Cotton	G.Cot.	10	3 (0.1	25.22	26.0	21.70	16.2	20.1		2.9	3.3	2.8
	Hy-12(Bt)		ha/Plot)		6							

OFT 2: Assessment of different varieties of greengram

Treatments: 1) T_1 : GAM-5: AAU, Anand (2015)

2) T₂ : GAM-6: NAU, Navsari (2016)

3) T₃ : Local (Farmers practices)

Сгор	Variety	No. of farmers	Area (ha)	Yield(q/ha)		Yield(q/ha) % increase Over Check		% increase Over Check		B	: C Ra	tio
				T1	T2	T3	T1	T2	T3	T1	T2	T3
Greengram (Summer-22)	As per treat.	10	3 (0.1ha/ Plot)				Yet to	be cond	ucted			
Greengram (Summer-21)	As per treat.	10	3 (0.1 ha/ Plot)	6.80	7.25	5.90	10.01	24.35		2.05	2.18	1.90

Crop Protection

OFT 3: Assessment of fungicide for the management of grain discoloration in paddy

Technology option	Infection (%)	Average yield (q/ha)	BCR
T ₁ : Farmers practices (No use of fungicide)	14.36 %	45.91	1.69
T ₂ : Three spray of Propiconazole 25 EC @ 0.025% (10 ml/ 10 lit. water) First spray - initiation of disease, Second and third spray after 10 days' interval	4.72 %	52.52	1.83

OFT 4: Assessment of pheromone trap technology for the management of Leucinodes orbonalis in Brinjal

Treatments	 T₁: Farmers practices as injudicious and indiscriminate use of chemical pesticides T₂: Installation of pheromone traps @ 40 traps/ha (AAU, Anand) T₃: Removal of infected shoots, fruits and installation of pheromone Traps @ 12/ha (TNAU)
Source of Technology	AAU, Anand & TNAU
Season	Rabi 2020-21
No. of farmers	5
Plot Area	1.0 acre/farmer
Critical Inputs Required	Pheromone traps & lures
Observations	 Per cent infestation of shoots and fruits Yield parameter B:C ratio

Results:

Technology option	Shoot infestation (%)	Fruit infestation (%)	Average yield (q/ha)	BCR
T ₁ : Farmers practices as injudicious and indiscriminate use of chemical pesticides	6.12	7.57	176.17	3.05
T ₂ : Installation of pheromone traps @ 40 traps/ha (AAU, Anand)	4.28	4.71	202.61	3.40
T ₃ : Remove the infected shoots, fruits and installation of pheromone traps @ 12/ha (TNAU, TN)	2.76	3.63	218.09	3.70

OFT 5: Management of pigeonpea pod borer

Treatments	 T₁: Farmers practices as injudicious and indiscriminate use of pesticides at irregular time interval T₂: Two sprays of Chlorantraniliprole 18.5% SC @ 0.006% (3 ml/10 lit of water) first at 50 per cent flowering stage and second at 50 per cent pod formation stage
Source of Technology	NAU, Navsari, 2012
Season	Kharif 2021
No. of farmers	5
Plot Area	1.0 acre/farmer
Critical Inputs Required	Chlorantraniliprole 18.5% SC
Observations	 Pod borer infestation (%) Pod fly infestation (%) Grain yield B:C ratio

Results:

Technology option	Pod borer infestation (%)	Pod fly infestation (%)	Grain yield (q/ha)	BCR
T ₁ : Farmers practices as injudicious and indiscriminate use of pesticides at irregular time interval	9.40	7.85	10.16	2.065
T ₂ : Two sprays of Chlorantraniliprole 18.5% SC @ 0.006% (3 ml/10 lit of water) first at 50 per cent flowering stage and second at 50 per cent pod formation stage	2.60	4.15	14.72	2.560

Horticulture:

OFT: 6 Assessment of Indian Bean varieties

Technology Option	No. of trials	Yield (t/ha)	BCR
T ₁ : Local Variety (Farmers practices)		29.2	3.12
T ₂ : GNIB-21(2014)	5	40.17	4.95
T ₃ : GJIB-11 (2018)		32.40	3.65

OFT: 7 Assessment of enrich banana sap for yield and quality of mango

Treatments	T ₁ : Farmers method T ₂ : Spraying of 1.5 % banana sap at flowering and pea stage
Source of Technology	NAU, Navsari (2012)
Season	Rabi, 2019-20
No. of farmers	5
Critical Inputs Required	Organic Liquid Nutrient (NOVEL)
Cost of Critical Inputs	3000 Rs
Observations	1.Yield parameter 2. B:C ratio
Farmers reactions / Feedback :	Application of Novel Organic liquid nutrient on mango inflorescence, increases the flower & fruit setting and ultimately the yield

Technology Option	No. of trials	Yield (t/ha)	BCR
T ₁ : Farmers method	5	11.50	2.65
T₂: Spraying of 1.5 % banana sap at flowering and pea stage	5	14.10	3.21

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

C	Crop/		Technology	Details of nonviorization matheda	Horizontal	spread of technol	ology
S. No	Enterprise	Thematic Area*	demonstrated	Details of popularization methods	No. of	No. of	Area
INO			demonstrated	suggested to the Extension system	villages	farmers	in ha
Cereal	crops						
1	Paddy	ICM	New variety	FLDs	7	13	5
	(GNRH-2)						
2	Paddy	ICM	New variety	FLDs	1	10	5
	(GR-17-Sardar)						
3	Paddy	ICM	New variety	FLDs	2	10	5
	(GNR – 6)						
4	Paddy	ICM	New variety	FLDs	1	10	5
	(GNR – 7)						
5	Paddy	ICM	New variety	FLDs	1	5	5
	(GR–16 Tapi)						
6	Sorghum	ICM	New variety	FLDs	5	15	5
	(GNJ-1)						
7	Paddy	IPDM	-	FLDs		10	4
Oilseed	and Pulses crops					-	
8	Pigeonpea	ICM	New variety	FLDs	4	6	3
	(GNP-2)						
9	Pigeonpea	ICM	New variety	FLDs	1	5	2.5
	(GT-104)						
10	Pigeonpea	ICM	New variety	FLDs	1	5	2.5
	(GT-105)						
11	Black gram	ICM	New variety	FLDs	2	1	0.4
	(GU-3)						
12	Soybean	ICM	New variety	FLDs	2	13	6
	(NRC-37)						
Fiber ci	rops		I		1	1	
13	Cotton	ICM	New variety	FLDs	1	12	5
	(G cot- Hy-12 Bt)						
Rabi-20	-21	I			-	I	
14	Sorghum	ICM	New variety	FLDs	-	13	5
	(Phule Raveti)						

Summe	r-21						
15	Greengram	ICM	New variety	FLDs	-	12	5
	(GAM-6)		5				
Horticu	lture crops						
16	Banana		Biofertilizers and	FLDs	1	10	4
		INM	OLF novel				
17	Brinjal		Biofertilizers and	FLDs	1	10	4
	5	INM	OLF novel				
18	Pointed gourd		Biofertilizers and	FLDs	1	10	4
	C	linm	OLF novel				
19	Okra		Biofertilizers and	FLDs	1	10	4
		linim	OLF novel				
20	Little gourd	ICM	New Variety	FLDs	1	10	0.5
21	Elephant gourd	ICM	New Variety	FLDs	1	5	1
22	Indian bean	ICM	New Variety	FLDs	1	10	4
23	Sweet potato	ICM	New Variety	FLDs	1	5	1
24	Banana	IPDM	IPDM	FLDs		10	4
25	Pointed Gourd	IPDM	IPDM	FLDs		10	4
26	Brinjal	IPDM	IPDM	FLDs		10	4
27	Okra	IPDM	IPDM	FLDs		10	4
Home S	Science			· · · · · · · · · · · · · · · · · · ·			
28	Wheel hoe	Drudgery deduction	Labour saving	FLDs	2	20	
29	Kitchen garden kit	Nutrition Management	Seed & Seedling	FLDs	5	100	
30	Rake for collecting	Drudgery deduction	Labour saving	FLDs	10	100	
	garbage/ harvesting						
FLDs of	f Other Agency						
Crop p	roduction						
CFLD ((NMOOP)						
1	Soybean	ICM	New variety	FLDs	4	50	20
	(KDS-344)						
CFLD ((NFSM)		1				
2	Gram	ICM	New variety +	FLDs	-	75	30
	(GG-5)		ST+INM				
CFLD ((NMOOP)	1	1				
3	Sesame	New Variety+	GT-5	FLDs	-	25	10
		ST+INM+IPDM					
4	Groundnut	ICM	GG-34	FLDs	-	25	10
CFLD ((NFSM)				T		
5	Green gram	New Variety+	GAM-6	FLDs	-	75	30

		ST+INM+IPDM					
CFLD ((NFSM & NMOOP):2019	-20	•	•			
6	Sesame	New Variety+	GT-4	FLDs	3	25	10
		ST+INM+IPM					
7	Groundnut	New Variety+ ST+INM	TG37A	FLDs	3	25	10
8	Greengram	ICM	New variety+	FLDs	10	75	30
	(GAM-6)		ST+INM+IPDM				
TSP – I	CAR (Mega Seed)	1	1		1		
1	Gram (GG-5)	ICM	Seed	FLDs	1	15	2
Other F	<u>FLDs by Sorghum Researce</u>	ch Station-Dhamrod Sura	at				
1	Sorghum fodder	Improved variety	PC-23	FLDs	5	25	4
Adaptiv	ve Trials						
1	Paddy	ICM+INM+IPDM	New variety	FLDs	10	70	28
	GR-17-Sardar						
2	Sorghum	ICM	New variety	FLDs	1	04	10
	(GNJ-1)						
3	Pigeonpea	ICM	New variety	FLDs	1	10	04
	(GT-104)						
4	Soybean	ICM	New variety	FLDs	1	04	1.6
	(NRC-37)						
5	Paddy	IPDM	IPDM	FLDs		30	12
6	Banana	INM	Cone Feeding	FLDs	1	10	4
7	Pointed Gourd	ICM	GNPG-1	FLDs	1	05	
8	Drum stick	ICM	PKM-1	FLDs	7	150	
9	Tindola	ICM	GNLG-1	FLDs	1	10	
10	Indian bean	ICM	GNIB-22	FLDs	5	12	
11	Banana	IPDM	IPDM	FLDs		30	12
12	Chickpea (GG-5)	ICM+ST+INM+IPM	New variety	FLDs		30	12
13		Nutritional	Seeds & Seedlings	FLDs	5	100	
	Kitchen garden kit	Management	C				
14	Brinjal	INM	Novel Plus	FLDs	2	30	12
15	Okra	INM	Novel Plus	FLDs	2	30	12
16	Brinjal		Hybrid	FLDs	1	20	
17	Cluster bean	INM	Novel Plus	FLDs	2	30	12
18	Brinjal	IPDM	IPDM	FLDs	4	30	12
19	Okra	IPDM	IPDM	FLDs	4	30	12

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.)

S. N.	Сгор	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No de). of farmer emonstratio	rs/ on	Reasons for shortfall in
					Proposed	Actual	SC/ST	Others	Total	achievement
KVK:2	021									
Kharif-	21									
Cereal	crops									
1	Paddy (GNRH-2)	ICM	New hybrid	Kharif -21	5	5	13	0	13	
2	Paddy (GR-17-Sardar)	ICM	New variety	Kharif -21	5	5	10	0	10	
3	Paddy (GNR – 6)	ICM	New variety	Kharif -21	5	5	10	0	10	
4	Paddy (GNR – 7)	ICM	New variety	Kharif -21	5	5	10	0	10	
5	Paddy (GR–16 Tapi)	ICM	New variety	Kharif -21	5	2	13	0	13	
6	Sorghum (GNJ-1)	ICM	New variety	Kharif -21	5	6	15	0	15	
7	Sorghum (GJ-38)	ICM	New variety	Kharif -21	5	5	12	0	12	
8	Paddy	IPDM	-	Kharif -21	4	4	-	10	10	
Oilseed	and Pulses crops			•						•
9	Pigeonpea (GNP-2)	ICM	New variety	Kharif -21	2	2.5	5	0	5	
10	Pigeonpea (GT-104)	ICM	New variety	Kharif -21	2	2.5	5	0	5	
11	Pigeonpea (GT-105)	ICM	New variety	Kharif -21	2	2.5	5	0	5	
12	Black gram (GU-3)	ICM	New variety	Kharif -21	2	0	0	0	0	Seed unavailability
13	Soybean (NRC-37)	ICM	New variety	Kharif -21	15	15	38	0	38	

Fiber c	Fiber crops										
14	Cotton	ICM	New variety	Kharif -21	4	4	12	0	12		
	(G cot- Hy-12 Bt)										
Rabi-21	1-22										
15	Sorghum	ICM	New variety	Rabi-21-22	5	5	12	0	12		
	(Phule Raveti)										

Summe	r-21									
16	Greengram (GAM-6/7)	ICM	New variety	Summer-21	5	5	12	0	12	Yet to be implemen ted
Horticu	llture crops									
17	Banana	INM	OLN-Novel	Kharif-21	4	4	0	10	10	
18	Brinjal	INM	Biofertilizers and OLF novel	Rabi – 21	4	4	0	10	10	
19	Pointed gourd	ICM	New Variety	Kharif-21	2	2	0	10	10	
20	Okra	INM	Biofertilizers and OLF novel	Kharif-21	4	4	10	0	10	
21	Little gourd	ICM	New Variety	Kharif-21	2	2	15	0	15	
22	Elephant gourd	ICM	New Variety	Summer-21	1	1	5	0	5	
23	Indian bean	ICM	New Variety	Kharif-21	4	4	10	0	10	
24	Sweet potato	ICM	New Variety	Rabi-21	2	2	5	0	5	
25	Cluster bean	INM	OLN-Novel	Summer-22	4	4	0	10	10	
26	Mango	INM	OLN-Novel	Rabi-21	4	4	10	0	10	
27	Banana	IPDM	IPDM	Kharif-21	4	4	0	10	10	
28	Sugarcane	IPDM	IPDM	Rabi-21	4	4	10	0	10	
29	Brinjal	IPDM	IPDM	Rabi-21	4	4	0	10	10	
30	Mango	IPDM	IPDM	Rabi-21	8	8	10	10	20	
31	Okra	IPDM	IPDM	Summer-22	4	4	10	0	10	
Home S	Science		-							
32	Twin Wheel hoe	Drudgery Reduction	Labour saving	Rabi-21			20	0	20	
33	Kitchen garden kit	Nutrition Management	Seed & Seedling	Rabi-21			200	0	200	
34	Rake for	Drudgery Reduction	Labour saving	Rabi-21			100	0	100	
	collecting garbage/ harvesting									
35	Stalk puller for	Drudgery Reduction	Labour saving	Rabi-21			50	0	50	
	uprooting crop									
	stalk									
				TOTAL	131	128.5	627	80	707	0
FLDs o	f Other Agency: 2	021								
Crop p	roduction :									
CFLD(NMOOP)		1		T					
1	Soybean	ICM+INM+IPDM	New variety +	Kharif-21	10	10	25	0	25	
	(NRC-37)		ST+INM+IPDM							

CFLD	(NFSM)									
2	Gram	ICM+INM+IPDM	New variety +	Rabi-21-22	20	20	50	0	50	
	(GG-5)		ST+INM+IPDM							
CFLD	(NMOOP)									
3	Sesame	ICM+INM+IPDM	New variety+	Summer-22	10	10	25	0	25	
	(GT-5)		ST+INM+IPDM							
4	Groundnut	ICM+INM+IPDM	New variety+	Summer- 22	10	10	25	0	25	
	(GG-34)		ST+INM							
CFLD	(NFSM)					,		<u>.</u>		
5	Greengram	ICM+INM+IPDM	New variety+	Summer- 22	10	10	25	0	25	
	(GAM-6)		ST+INM+IPDM							
CFLD	(NFSM & NMOOI	P): Summer-21	- 1							
6	Sesame	ICM+INM+IPDM	New variety+	Summer- 21	20	20	50	0	50	
	(GT-5)		ST+INM+IPDM							
7	Groundnut	ICM+INM+IPDM	New variety+	Summer- 21	20	20	50	0	50	
	(GG-34)		ST+INM							
8	Greengram	ICM+INM+IPDM	New variety+	Summer- 21	30	30	75	0	75	
	(GAM-6)		ST+INM+IPDM							
TSP –	ICAR (Mega Seed))								
9	Green Gram	ICM	Seed +	Summer – 22	15	15	30	0	30	
	(GM-5)		Biofertilizers +							
			OLN-Novel							
Other.	FLDs by Sorghum	Research Station-Dhamr	od Surat							
10	Sorghum fodder	Improved variety	Cofs-29	Kharif-21	4	4	25	0	25	
				TOTAL	149	149	380	0	380	0
Adapti	ive Trials									
Kharif	- 2021									
1	Paddy	ICM	New variety	Kharif-21	0	175	40	310	350	
1	GNR-3	10101	i tow variety	interty 21	Ŭ	175	10	510	550	
2	Paddy	ICM	New variety	Kharif-21	5	5	0	10	10	
2	GR-15	10111		151W11	5	5	0	10	10	
	(Bio-fortified)									
2	Doddy	IDDM		Khawif 21	12	10	0	20	20	
3	r auuy Damana			Khurij-21	12	12	0	50	20	
4	Banana	ICM	New Variety	Kharif -21	1	1	20	0	20	
5	Brinjal	ICM	New variety	Rabi-21	4.5	4.5	20	0	20	
6	Bottle gourd	ICM	New Variety	Summer-22	1	1	15	0	15	
7	Drum stick	ICM	ODC-3	Kharif -21			200	0	200	

8	Tindola	ICM	GNLG-1	Kharif -21	1	1	15	0	15	
9	Banana	IPDM	IPDM	Kharif -21	12	12	0	30	30	
10	Pointed gourd	IPDM	IPDM	Kharif -21	12	12	0	30	30	
Rabi-	2021-22									
11	Chickpea	ICM+ST+INM+IPDM	New variety	Rabi-21-22	12	12	30		30	
	(GG-5)									
12	Sugarcane	IPDM	IPDM	Rabi-21	12	12	30	0	30	
13	Brinjal	IPDM	IPDM	Rabi-21	12	12	10	20	30	
14	Mango	IPDM	IPDM	Rabi-21	12	12	10	20	30	
15	Okra	IPDM	IPDM	Summer-22	12	12	10	20	30	
				Total	108.5	283.5	400	470	870	0
		388.5	561	1407	550	1957	0			

Details of farming situation

Сгор	jeason	arming tuation Irrigated)	oil type	Sta	itus of so	oil	ious crop	ving date	vest date	easonal fall (mm)	of rainy days
		F2 sit	ž	Ν	Р	К	Prev	Sow	Har	Sc rain	No.
Paddy	Kharif	Irrigated	Mediu m black	Low	Medi um	High	Green Gram	07-15/02/21	15-20/05/21	1600.50	66
GR-17								19-22/07/21	01-09/11/21		
GNR-3	-							13-15/07/21	27-31/10/21		
Soybean (NRC- 37)								28-05/07/21	16-27/10/21		

Extension and Training activities under FLD

Activity	No. of activities organized	Date	Number of participants	Remarks
Field days				
Gram	1	04-01-2021	25	Parvat(Mandvi)
Gram	1	04-01-2021	31	Zummavadi(Umarpada)
Sesame	1	03-04-2021	25	Uteva(Mandvi)
Greengram	1	03-04-2021	25	Parvat(Mandvi)
Groundnut	1	05-04-2021	22	Panchamba(Umarpada)
Sesame	1	07-04-2021	22	Kansali(Mangrol)
Greengram	1	07-04-2021	19	Kansali(Mangrol)
Paddy	1	20-09-2021	24	Pardi Zankhari (Olpad)
Soybean	1	12-10-2021	35	Parvat(Mandvi)
Soybean	1	16-10-2021	34	Mandan (mangrol)
Okra-INM	1	05-01-2021	15	Saddapani (Umarpada)

C. Performance of Frontline demonstrations

Frontline demonstrations on oilseed crops

Сгор	Thematic Area	technology demonstrated	Voristry	No. of	Area	Yield (q/ha)				% Increases	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
			variety	Farmers	(ha)	High	Den Low	10 Average	Check	in yield	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Soybean		ICM	NRC- 37	38	15	12.78	8.80	10.01	8.30	20.60	26850	42042	15192	1.57	26210	34840	8630	1.33

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone. ** BCR= GROSS RETURN/GROSS COST

Frontline demonstration on pulse crops

Crop	Thematic Area	technology demonstrated	Variety	No. of Farmers	Area (ha)	Yield (q/ha)				%	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
							Dem	0	Check	in vield	Gross	Gross	Net	BCR	Gross	Gross	Net	BCR
						High	Low	Average	eneen	5	Cost	Return	Return	(R / C)	Cost	Return	Return	(R / C)
Pigeonpea		ICM	GNP-2	5	2.5	17.20	12.10	13.77	11.50	19.70	27500	68850	41350	2.5	25250	57500	32250	2.28
ICM	GT-104	5	2.5 22.35 17	.90 19.82	16.50	20.10 27500	99100	71600	3.6 25250	82500	57250	3.27						
-----	--------	---	--------------	-----------	-------	-------------	-------	-------	-----------	-------	-------	------						
ICM	GT-105	5	2.5 22.40 16	.80 18.16	15.75	15.30 27520	90800	63280	3.3 25250	78750	53500	3.12						

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone. ** BCR= GROSS RETURN/GROSS COST

FLD on Other crops

		Name of		Are		Yield	(q/ha)		%	Ot Parai	her neters	Econo	mics of d (Rs./	emonstr ha)	ation	Econo	mics of o	check (R	s./ha)
Category	Thema tic	the	No. of Farme	a		Demo		Chec	Chan ge in	I al al		Cros	Cross	Not	BC	Cros	Gros	Not	BC
& Crop	Area	technolo gy	rs	(ha)	High	Low	Avera ge	k	Yield	De mo	Che ck	s Cost	Retur n	Retu rn	R (R/ C)	s Cost	s Retu rn	Retu rn	R (R/ C)
Cereals																			
Paddy	GNRH- 2	ICM	13	5	63.00	45.1 5	49.59	41.5 0	19.50	2.7	2.4	3142 5	84303	5287 8	2.9	3335 0	7885 0	4550 0	2.4
	GR-17	ICM	10	5	58.25	42.7 5	49.39	42.5 0	16.20	2.9	2.3	3080 0	88902	5810 2	2.9	3120 0	7225 0	4105 0	2.3
	GNR-6	ICM	10	5	49.50	40.2 5	44.47	38.5 0	15.50	2.5	1.9	3194 0	80046	4810 6	2.5	3194 0	6160 0	2966 0	2.0
	GNR-7	ICM	10	5	57.20	42.4 0	45.97	40.1 5	14.50	2.9	2.3	3152 0	91940	6042 0	2.9	3152 0	7227 0	4075 0	2.3
	GR-16 Tapi	ICM	10	4	29.90	19.7 5	21.46	18.5 0	16.00	1.2	1.0	2099 0	32190	1120 0	1.5	2099 0	2775 0	6760	13
	Paddy	IPDM	10	4	61.74	47.8 3	53.39	47.3 0	12.88	1.82 4	1.65 7	4391 3	80085	3617 2	1.82 4	4282 6	7095 0	2812 4	1.65 7
Vegetabl es				.		•				•	•								
Brinjal	INM	Surti	10	4	196.3 2	152. 23	162.35	153. 26	5.93			5500 0	19644 4	1414 44	3.57 2	5720 0	1854 45	1282 45	3.24 2
Pointed gourd	INM	Local	10	4	190.2 3	164. 56	174.56	152. 32	14.60			1200 00	43640 0	3164 00	3.63 7	1170 00	3808 00	2638 00	3.25 5
Okra	INM	Hybrid	10	4	193.2 3	155. 63	173.58	154. 23	12.55			5120 0	23034 9	1791 49	4.49 9	5420 0	1994 50	1452 50	3.68 0
Little gourd	ICM	GNLG-1	10	0.5	218.7 0	187. 50	203.56	172. 56	17.96			6100 0	20356 0	1425 60	3.33 7	6300 0	1725 60	1095 60	2.73 9
Elephant foot yam	ICM	Gajendr a	5	1	319.7 8	189. 57	265.43	229. 96	15.42			5012 0	29197 3	2418 53	5.82 5	5120 0	2529 56	2017 56	4.94 1

Indian	ICM	GNIB-	10	4	36.56	29.8	31.28	24.8	25.67	 	3500	10948	7448	3.12	3150	8960	5810	2.84
bean	1011	22			• • • •	/		9	10.01		0	0	0	8	0	4	4	2
Sweet	ICM	C-71	5	1	289.5	156.	219.16	192.	13.81	 	4400	16437	1203	3.73	4900	1444	9542	2.94
potato					6	0		56			0	0	70	6	0	20	0	7
Pointed	IPDM	Local	10	4	193.0	162.	177.30	160.	10.15	 	1275	44325	3157	3.47	1250	4024	2774	3.21
gourd					4	61		96			00	0	50	6	00	00	00	9
Brinjal	IPDM	Local	10	4	238.2	174.	195.91	171.	14.19	 	7390	24488	1709	3.31	7230	2144	1421	2.96
					6	78		56			0	7.5	88	4	0	50	50	6
Okra	IPDM	Hybrid	10	4	201.7	157.	175.30	152.	15.26	 	7043	23665	1662	3.36	7369	2053	1316	2.78
					4	39		09			4	5	21	0	5	22	27	6
Fruit																		
crops																		
Banana	INM	Grand	10	4	749.9	590.		582.	0.00		1050	44154	3365	4.20	1045	4076	3031	3.90
		Nain			6	54	630.78	35	8.32	 	00	6	46	5	00	45	45	1
Mango	IPM		10	4	102.6	83.4		82.9			4610	17722	1311	3 84	4540	1659	1205	3 65
		-			1	8	88.61	6	6.81	 	0	0	20	4	0	20	20	5
Ranana	Novel.	IPDM	10	4	772 1	635	686 52	627	9 35		1162	48056	3643	413	1130	4394	3264	3 88
Dununu	OLN		10	•	7	65	000.02	82	2.55	 	00	4	64	6	00	74	74	9
	(G-9)				,	05		02			00		01	U	00	<i>,</i> .	<i>,</i> ,	-
Commer																		
cial																		
Crops																		
Cotton	G cot	ICM	10	4	26 30	191	23.22	18.8	23 50		4456	12771	8315	29	4296	8315	4019	19
Cotton	Hv-12	10.01	10		20.50	5	23.22	0	23.30	 	0	0	0	2.9	0	00010	0	1.7
	(\mathbf{Rt})					5		U			U	U	U		U	U	v	
TSP – ICA	R (Mega S	Seed)	1			I	I	L	I					1	I			1
101 101	Green	jeeu)									2210	10000	2600	2 21	2050	1000	2040	1 00
	Gram	ICM	20	1	868.0	605.	712.00	583.	22.08		2210	47000	2000	2.21	2030	4070	2040	1.77
	GM6	ICIVI	20	1	0	00	/12.00	20	22.00	 	0		0	/	0	0	0	5
	Grom				1140	778		710			1050	12500	2400	2 22	1020	3515	1505	1.82
	Grain	ICM	15	1	1140.	120.	852.00	/19.	18 50	 	1930	45500	2400	2.23	1920	5515	1393	1.05
	CC 5	10101	10	-	00	00	052.00		10.50		0			1		0		1

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone. ** BCR= GROSS RETURN/GROSS COST

Frontline Demonstration on Nutri cereals

Cron	Thematic Technology	Voriety No. of	Area	Yield (q/ha)	%	Economics of demonstration	Economics of check
Crop	Area demonstrated	Farmers	(ha)		Increase	(Rs./ha)	(Rs./ha)

							Dem	0	Chook	in yield	Gross	Gross	Net	BCR	Gross	Gross	Net	BCR
						High	Low	Average	Спеск		Cost	Return	Return	(R / C)	Cost	Return	Return	(R / C)
Sorghum	Fodder	Improved	25	4	440	300	308.8	302.4	25.93		18000	33200	15200	1.84	16500	28580	12080	1.73
	crop	Variety - PC 23																
	ICM		GNJ-1	12	5	26.30	18.80	19.85	16.75	18.50	18380	53595	35215	2.9	17960	45250	27290	2.5
	ICM		GJ-38	12	5	25.40	18.20	23.22	19.35	20.00	18380	62694	44314	3.4	17960	42245	24285	2.4
	ICM		Phule	25	10			22.3	19.5	14.36	17400	66900	49500	3.8	17000	58500	41500	3.4
			revti															

FLD on Livestock: Nil FLD on Fisheries: Nil FLD on Other enterprises: Nil FLD on Women Empowerment: Nil

FLD on Farm Implements and Machinery

Name of the implement	Сгор	Techno logy demons trated	No. of Farm women	Area (ha)	Major Parameter	Field ob (ha/ma	servation in hour)	% change in major parameter	La Har	abor reducti (man- vesting	on (man da -h/ha) Wee	ays) ding	Cost re (Rs./h Labo	duction a/day) our**
						Demo	Check		Demo	Check	Demo	Check	Demo	Check
Twin wheel hoe weeder* for weeding	Vegetabl es/ Pulses	Women drudger y reductio n	20	-	Field observation (ha/hr) -Labour requirement (Man hours/ha) -Cost of operation	0.017 ha (0.136 ha/day)	0.011 ha (0.088 ha/day)	58	-	-	59	91	1971	3045

Rake for	Dry	Women	100	-	1. Field	0.044	0.028	58.5	-	-	23	36	761	1196
collecting	matter of	drudger			observation	(0.352h	(0.224ha							
garbage/	crops/Ha	у			2. Drudgery	a/day)	/day)							
harvesting	rvesting/	reductio			parameters									
	garbage	n			like physical									
					hazards,									
					muscle									
					stress,									
					fatigue									
Stalk Puller for	Concerne	Women	50	-	-Field	0.032	0.020 ha	60.15	-	-	31	50	1047	1675
uprooting crop	d crops	drudger			observation	ha	(0.16							
stalks		y			-Drudgery	(0.256	ha/day)							
		reductio			parameters	ha/day)								
		n			like physical									
					hazards,									
					muscle									
					stress,									
					fatigue									

*Twin wheel hoe technology recommended by CIAE, Bhopal-MP

**Cost of operation is calculated as per NAU labour wages

Technical feedback:

- 1. Twin wheel hoe weeder reduces women drudgery in terms of time and physical hazards (finger injuries, wrist pain, muscle stress etc.)
- 2. During weeding, field capacity per farm woman is increased up to 58% by using twin wheel hoe weeder as compared to local sickle.

Farm women's reaction:

- 1. Twin wheel hoe weeder increases working efficiency in short period of time i.e. time saving.
- 2. Twin wheel hoe weeder reduces fatigue, muscle stress, wrist pain as compared to local sickle.
- 3. It avoids the bending/squatting posture that is generally adopted in traditional method of weeding.

Rake for collecting garbage/ harvesting

* Rake for collecting garbage/ harvesting technology is recommended by CSKHPKV, Palampur

**Cost of operation is calculated as per university labour wages

Farm women's reaction:

1. Rake for collecting garbage/ harvesting increases working efficiency as compared to traditional method. *Stalk puller is recommended by National Research Centre for Women in Agriculture Sub center, CIAE, Bhopal **Cost of operation is calculated as per university labour wages

Farm women's reaction:

- 1 Stalk puller increases working efficiency as compared to traditional method.
- 2 Stalk puller reduces fatigue, backache, muscle stress, wrist pain and pain in shoulders as compared to traditional method

FLD on Other Enterprise: Kitchen Gardening

No. of Farm women: 100 No. of Demonstration: 100

1. Guntha/demo.		2	Season: Rabi-202	20						
Name of				Cı	rop yield (Kg.) per	r demonstration				
Enterprise	Chilli	Tomato	Brinjal	Cabbage	Cauliflower	Cow pea	Indian Bea	in	Okra	Cluster bean
1	2	3	4	5	6	7	8		9	10
Kitchen Garden	3.1	18.3	14.0	8.8	12.4	4.0	5.	7	11.8	13.4
Crop yield (Kg.) pe	r demonstrati	on			Total		Gross retu	rn (Rs.)		-
Radish	Spinach	Bottle gourd	Ridge gourd	Carrot	Production (Kg.)	Average rate (Rs./Kg)	Before FLD	After FL	<i>.</i> D	
11	12	13	14	15	16	17	18		19	
5.9	4.7	7.9	9.2	5.4	124.6	50	1000	6230 alor	ng with Dom	estic consumption

Feed Back:

1. Kitchen gardening gives continuous supply of fresh vegetables.

2. Income is generated by selling extra vegetables grown in kitchen garden.

3. Farm women are not applying any pesticides in kitchen garden so they get organic vegetables

*check maybe family adopting different Nutrition garden model/ no adoption of Nutrition garden model

Savings from produce of Nutrition garden used for home consumption

FLD on Demonstration details on crop hybrids: Nil

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	Thematic area No. of courses Participants Courses Others SC/ST Grand Total										
	courses		Others			SC/ST			Grand Tota	ıl	
		Male	Female	Total	Male	Female	Total	Male	Female	Total	
I Crop Production											
Weed Management											
Resource Conservation Technologies											
Cropping Systems	3	0	0	0	101	32	133	101	32	133	
Crop Diversification											
Integrated Farming											
Micro Irrigation/irrigation											
Seed production											
Nursery management											
Integrated Crop Management											
Soil & water conservation											
Integrated nutrient management											
Production of organic inputs											
Others (pl. specify)											
Total	3	0	0	0	101	32	133	101	32	133	
II Horticulture											
a) Vegetable Crops											
Production of low value and high value crops											
Off-season vegetables	2	20	22	42	0	0	0	20	22	42	
Nursery raising	2	40	53	93	0	0	0	40	53	93	
Exotic vegetables	1	0	0	0	15	17	32	15	17	32	
Export potential vegetables											
Grading and standardization											
Protective cultivation	2	0	0	0	25	17	42	25	17	42	
Others (pl specify)											
Total (a)	7	60	75	135	40	34	74	100	109	209	
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)										
Grand Total (a to g)	7	60	75	135	40	34	74	100	109	209
III Soil Health and Fertility Management										

Soil fertility management										
Integrated water management										
Integrated Nutrient Management										
Production and use of organic inputs										
Management of Problematic soils										
Micro nutrient deficiency in crops										
Nutrient Use Efficiency										
Balance use of fertilizers										
Soil and Water Testing										
Others (pl specify)										
Total										
IV Livestock Production and Management										
Dairy Management										
Poultry Management										
Piggery Management										
Rabbit Management										
Animal Nutrition Management										
Disease Management										
Feed & fodder technology										
Production of quality animal products										
Others (pl specify)										
Total										
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening										
Design and development of low/minimum cost diet										
Designing and development for high nutrient efficiency diet										
Minimization of nutrient loss in processing										
Processing and cooking										
Gender mainstreaming through SHGs										
Storage loss minimization techniques										
Value addition	7	250	737	987	0	0	0	250	737	987
Women empowerment										
Location specific drudgery reduction technologies										
Rural Crafts										
Women and child care	4	0	61	61	0	55	55	0	116	116
Others (pl specify)										

Total	11	250	798	1048	0	55	55	250	853	1103
VI Agril. Engineering										
Farm Machinery and its maintenance										
Installation and maintenance of micro irrigation systems										
Use of Plastics in farming practices										
Production of small tools and implements										
Repair and maintenance of farm machinery and implements										
Small scale processing and value addition										
Post Harvest Technology										
Others (pl specify)										
Total										
VII Plant Protection	8	319	223	542	145	150	295	464	373	837
Integrated Pest Management										
Integrated Disease Management										
Bio-control of pests and diseases										
Production of bio control agents and bio pesticides										
Others (pl specify)										
Total	8	319	223	542	145	150	295	464	373	837
VIII Fisheries										
Integrated fish farming										
Carp breeding and hatchery management										
Carp fry and fingerling rearing										
Composite fish culture										
Hatchery management and culture of freshwater prawn										
Breeding and culture of ornamental fishes										
Portable plastic carp hatchery										
Pen culture of fish and prawn										
Shrimp farming										
Edible oyster farming										
Pearl culture										
Fish processing and value addition										
Others (pl specify)										
Total										
IX Production of Inputs at site										
Seed Production										
Planting material production										

Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production										
Organic manures production										
Production of fry and fingerlings										
Production of Bee-colonies and wax sheets										
Small tools and implements										
Production of livestock feed and fodder										
Production of Fish feed										
Mushroom Production										
Apiculture										
Others (pl specify)										
Total										
X CapacityBuilding and Group Dynamics										
Leadership development										
Group dynamics	4	35	17	52	40	15	55	75	32	107
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
WTO and IPR issues										
Others (pl specify)										
Total										
XI Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (pl specify)										
Total	4	35	17	52	40	15	55	75	32	107
GRAND TOTAL	33	664	1113	1777	326	286	612	990	1399	2389

Farmers' Training including sponsored training programmes (off campus)

Thematic area	No. of]	Participant	S			
	courses		Others			SC/ST		Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										

Weed Management										l
Resource Conservation Technologies										
Cropping Systems										
Crop Diversification										
Integrated Farming										
Micro Irrigation/irrigation										
Seed production										
Nursery management										
Integrated Crop Management	6	179	44	223	0	0	0	179	34	213
Soil & water conservation										
Integrated nutrient management										
Production of organic inputs										
Others (pl specify)										
Total	6	179	44	223	0	0	0	179	34	213
II Horticulture										
a) Vegetable Crops										
Production of low value and high value crops										
Off-season vegetables										
Nursery raising										
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation										
Others (pl specify)										
Total (a)										
b) Fruits										
Training and Pruning	2	65	24	89	0	0	0	65	24	89
Layout and Management of Orchards	2	23	27	50	0	0	0	23	27	50
Cultivation of Fruit	1	0	0	0	18	8	26	18	8	26
Management of young plants/orchards	1	28	17	45	0	0	0	28	17	45
Rejuvenation of old orchards		ļ								
Export potential fruits	_									
Micro irrigation systems of orchards		 								
Plant propagation techniques		ا								
Others (pl specify)		 								
Total (b)		ļ								
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)										
Grand Total (a to g)	6	116	68	184	18	8	26	134	76	210
III Soil Health and Fertility Management										
Soil fertility management										
Integrated water management										
Integrated Nutrient Management										
Production and use of organic inputs										
Management of Problematic soils										
Micro nutrient deficiency in crops										
Nutrient Use Efficiency										

Balance use of fertilizers										
Soil and Water Testing										
Others (pl specify)										
Total										
IV Livestock Production and Management										
Dairy Management										
Poultry Management										
Piggery Management										
Rabbit Management										
Animal Nutrition Management										
Disease Management										
Feed & fodder technology										
Production of quality animal products										
Others (pl specify)										
Total										
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	8	0	30	30	0	192	192	0	222	222
Design and development of low/minimum cost diet										
Designing and development for high nutrient efficiency diet										
Minimization of nutrient loss in processing										
Processing and cooking										
Gender mainstreaming through SHGs										
Storage loss minimization techniques								ſ		
Value addition										
Women empowerment										
Location specific drudgery reduction technologies										
Rural Crafts										
Women and child care										
Others (pl specify)										
Total										
VI Agril. Engineering										
Farm Machinery and its maintenance										
Installation and maintenance of micro irrigation systems										
Use of Plastics in farming practices										
Production of small tools and implements										
Repair and maintenance of farm machinery and implements										

Small scale processing and value addition										
Post Harvest Technology										
Others (pl specify)										
Total	8	0	30	30	0	192	192	0	222	222
VII Plant Protection										
Integrated Pest Management										
Integrated Disease Management	12	166	7	173	194	11	205	360	18	378
Bio-control of pests and diseases										
Production of bio control agents and bio pesticides										
Others (pl specify)										
Total	12	166	7	173	194	11	205	360	18	378
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	0	0	0	80	55	135	80	55	135
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
WTO and IPR issues										
Others (pl specify)										
Total										
XI Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (pl specify)										
Total	2	0	0	0	80	55	135	80	55	135
GRAND TOTAL	34	461	149	610	292	266	558	753	405	1158

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

Thematic area	No. of	of Participants								
	courses		Others			SC/ST		Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Weed Management										
Resource Conservation Technologies										
Cropping Systems	3	0	0	0	101	32	133	101	32	133
Crop Diversification										
Integrated Farming										
Micro Irrigation/irrigation										
Seed production										
Nursery management										

Integrated Crop Management	6	179	44	223	0	0	0	179	34	213
Soil & water conservation										
Integrated nutrient management										
Production of organic inputs										
Others (pl specify)										
Total	9	179	44	223	101	32	133	280	66	346
II Horticulture										
a) Vegetable Crops										
Production of low value and high value crops										
Off-season vegetables	2	20	22	42	0	0	0	20	22	42
Nursery raising	2	40	53	93	0	0	0	40	53	93
Exotic vegetables	1	0	0	0	15	17	32	15	17	32
Export potential vegetables										
Grading and standardization										
Protective cultivation	2	0	0	0	25	17	42	25	17	42
Others (pl specify)										
Total (a)										
b) Fruits										
Training and Pruning	2	65	24	89	0	0	0	65	24	89
Layout and Management of Orchards	2	23	27	50	0	0	0	23	27	50
Cultivation of Fruit	1	0	0	0	18	8	26	18	8	26
Management of young plants/orchards	1	28	17	45	0	0	0	28	17	45
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 (nl specify)										
omors (property)										
Total (g)	13	176	143	319	58	42	100	234	185	419
Total (g) Grand Total (a to g)	13	176	143	319	58	42	100	234	185	419
Total (g) Grand Total (a to g) III Soil Health and Fertility Management	13	176	143	319	58	42	100	234	185	419
Total (g) Grand Total (a to g) III Soil Health and Fertility Management Soil fertility management	13	176	143	319	58	42	100	234	185	419
Total (g) Grand Total (a to g) III Soil Health and Fertility Management Soil fertility management Integrated water management	13	176	143	319	58	42	100	234	185	419
Total (g) Grand Total (a to g) III Soil Health and Fertility Management Soil fertility management Integrated water management Integrated Nutrient Management	13	176	143	319	58	42	100	234	185	419
Total (g) Grand Total (a to g) III Soil Health and Fertility Management Soil fertility management Integrated water management Integrated Nutrient Management Production and use of organic inputs	13	176	143	319	58	42	100	234	185	419
Total (g) Grand Total (a to g) III Soil Health and Fertility Management Soil fertility management Integrated water management Integrated Nutrient Management Production and use of organic inputs Management of Problematic soils		176	143	319	58	42		234	185	419
Total (g) Grand Total (a to g) III Soil Health and Fertility Management Soil fertility management Integrated water management Integrated Nutrient Management Production and use of organic inputs Management of Problematic soils Micro nutrient deficiency in crops		176	143	319	58	42		234	185	419
Total (g) Grand Total (a to g) III Soil Health and Fertility Management Soil fertility management Integrated water management Integrated Nutrient Management Production and use of organic inputs Management of Problematic soils Micro nutrient deficiency in crops Nutrient Use Efficiency		176	143	319	58	42		234	185	419
Total (g) Grand Total (a to g) III Soil Health and Fertility Management Soil fertility management Integrated water management Integrated Nutrient Management Production and use of organic inputs Management of Problematic soils Micro nutrient deficiency in crops Nutrient Use Efficiency Balance use of fertilizers		176	143	319	58	42		234	185	419
Total (g) Grand Total (a to g) III Soil Health and Fertility Management Soil fertility management Integrated water management Integrated Nutrient Management Production and use of organic inputs Management of Problematic soils Micro nutrient deficiency in crops Nutrient Use Efficiency Balance use of fertilizers Soil and Water Testing		176	143	319	58	42		234		419
Total (g) Grand Total (a to g) III Soil Health and Fertility Management Soil fertility management Integrated water management Integrated Nutrient Management Production and use of organic inputs Management of Problematic soils Micro nutrient deficiency in crops Nutrient Use Efficiency Balance use of fertilizers Soil and Water Testing Others (pl specify)			143	319	58	42		234		419
Total (g) Grand Total (a to g) III Soil Health and Fertility Management Soil fertility management Integrated water management Integrated Nutrient Management Production and use of organic inputs Management of Problematic soils Micro nutrient deficiency in crops Nutrient Use Efficiency Balance use of fertilizers Soil and Water Testing Others (pl specify) Total			143	319	58	42		234		419
Total (g) Grand Total (a to g) III Soil Health and Fertility Management Soil fertility management Integrated water management Integrated Nutrient Management Production and use of organic inputs Management of Problematic soils Micro nutrient deficiency in crops Nutrient Use Efficiency Balance use of fertilizers Soil and Water Testing Others (pl specify) Total IV Livestock Production and Management			143	319		42				419
Total (g) Grand Total (a to g) III Soil Health and Fertility Management Soil fertility management Integrated water management Integrated Nutrient Management Production and use of organic inputs Management of Problematic soils Micro nutrient deficiency in crops Nutrient Use Efficiency Balance use of fertilizers Soil and Water Testing Others (pl specify) Total IV Livestock Production and Management Dairy Management			143	319		42				419
Total (g)Grand Total (a to g)III Soil Health and Fertility ManagementSoil fertility managementIntegrated water managementIntegrated Nutrient ManagementProduction and use of organic inputsManagement of Problematic soilsMicro nutrient deficiency in cropsNutrient Use EfficiencyBalance use of fertilizersSoil and Water TestingOthers (pl specify)TotalIV Livestock Production and ManagementDairy ManagementPoultry Management			143	319						419

Rabbit Management										
Animal Nutrition Management										
Disease Management										
Feed & fodder technology										
Production of quality animal products										
Others (pl specify)										
Total										
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	8	0	30	30	0	192	192	0	222	222
Design and development of low/minimum cost diet										
Designing and development for high nutrient efficiency diet										
Minimization of nutrient loss in processing										
Processing and cooking										
Gender mainstreaming through SHGs										
Storage loss minimization techniques										
Value addition	7	250	737	987	0	0	0	250	737	987
Women empowerment										
Location specific drudgery reduction technologies										
Rural Crafts										
Women and child care	4	0	61	61	0	55	55	0	116	116
Others (pl specify)										
Total	19	250	828	1017	0	247	247	250	1075	1325
VI Agril. Engineering										
Farm Machinery and its maintenance										
Installation and maintenance of micro irrigation systems										
Use of Plastics in farming practices										
Production of small tools and implements										
Repair and maintenance of farm machinery and implements										
Small scale processing and value addition										
Post Harvest Technology										
Others (pl specify)										
Total										
VII Plant Protection	8	319	223	542	145	150	295	464	373	837
Integrated Pest Management	12	166	7	173	194	11	205	360	18	378
Integrated Disease Management										
Bio-control of pests and diseases										
Production of bio control agents and bio pesticides										

Others (pl specify)										
Total	20	485	230	715	339	161	500	824	391	1215
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	0	0	0	80	55	135	80	55	135

Group dynamics	4	35	17	52	40	15	55	75	32	107
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
WTO and IPR issues										
Others (pl specify)										
Total										
XI Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (pl specify)										
Total	6	35	17	52	120	70	190	155	87	242
GRAND TOTAL	67	1125	1262	2326	618	552	1170	1743	1804	3547

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

	No. of				No. o	f Participa	nts			
Area of training		Ger	eral/ Other	S		SC/ST			Grand Tota	al
	Courses	Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops										
Training and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming										
Seed production										
Production of organic inputs										
Planting material production										
Vermi-culture										
Mushroom Production										
Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery and implements										
Value addition										
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										

Rural Crafts									
Production of quality animal products									
Dairying									
Sheep and goat rearing									
Quail farming									
Piggery									
Rabbit farming									
Poultry production									
Ornamental fisheries									
Composite fish culture									
Freshwater prawn culture									
Shrimp farming									
Pearl culture									
Cold water fisheries									
Fish harvest and processing technology									
Fry and fingerling rearing									
Any other (pl. specify)									
TOTAL	0	0	0	0	0	0	0	0	0

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

	No. of				No. o	f Participa	nts			
Area of training		Gen	eral/ Other	ſS		SC/ST			Grand Tota	al
	Courses	Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops										
Training and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming										
Seed production										
Production of organic inputs										
Planting material production										
Vermi-culture										
Mushroom Production										
Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery and implements										

Value addition										
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
Production of quality animal products										
Dairying										
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										
Poultry production										
Ornamental fisheries										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Any other (pl. specify)										
TOTAL	0	0	0	0	0	0	0	0	0	0

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

	No of				No. of	f Participa	nts			
Area of training	INU. UI	Gene	eral/ Other	rs		SC/ST			Grand Tota	al
	Courses	Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops										
Training and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming										
Seed production										
Production of organic inputs										
Planting material production										
Vermi-culture										

Mushroom Production										
Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery and implements										
Value addition										
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
Production of quality animal products										
Dairying										
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										
Poultry production										
Ornamental fisheries										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Any other (pl. specify)										
TOTAL	0	0	0	0	0	0	0	0	0	0

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

	No of				No.	of Particip	ants			
Area of training	Courses	G	eneral/ Oth	ers		SC/ST			Grand Tota	ıl
	courses	Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops										
Integrated Pest Management	2	36	3	39	3	1	4	39	4	43
Integrated Nutrient management	3	12	0	12	0	78	78	12	78	90
Rejuvenation of old orchards										
Protected cultivation technology										

Production and use of organic inputs										
Care and maintenance of farm machinery and implements										
Gender mainstreaming through SHGs										
Formation and Management of SHGs										
Women and Child care										
Low cost and nutrient efficient diet designing										
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application										
Management in farm animals										
Livestock feed and fodder production										
Household food security										
Any other (pl.specify)										
TOTAL	5	48	3	51	3	79	82	51	82	133

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

	No. of				No.	of Particip	ants			
Area of training	Courses	G	eneral/ Oth	ers		SC/ST			Grand Tota	l
	Courses	Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops										
Integrated Pest Management	3	27	7	34	57	24	81	84	31	115
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	0	0	0	0	55	55	0	55	55
Low cost and nutrient efficient diet designing										
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application	2	0	0	0	36	4	40	36	4	40
Management in farm animals										
Livestock feed and fodder production										
Household food security										

Any other (pl.specify)										
TOTAL	6	27	7	34	93	83	176	120	90	210

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

	No. of				No.	of Particip	ants			
Area of training	Courses	G	eneral/ Oth	ers		SC/ST			Grand Tota	l
	Courses	Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops										
Integrated Pest Management	5	63	10	73	60	25	85	123	35	158
Integrated Nutrient management	3	12	0	12	0	78	78	12	78	90
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	0	0	0	0	55	55	0	55	55
Low cost and nutrient efficient diet designing										
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application	2	0	0	0	36	4	40	36	4	40
Management in farm animals										
Livestock feed and fodder production										
Household food security										
Any other (pl.specify)										
TOTAL	11	75	10	85	96	162	258	171	172	343

Sponsored training programmes

	No. of	No. of Participants									
Area of training	Courses	General/ Others		SC/ST			Grand Total				
		Male	Female	Total	Male	Female	Total	Male	Female	Total	
Crop production and management											
Increasing production and productivity of crops	2	0	30	30	30	0	30	30	30	60	
Commercial production of vegetables	5	0	0	0	85	46	133	85	48	133	
Production and value addition											

Fruit Plants	1	45	0	45	0	0	0	45	0	45
Ornamental plants										
Spices crops										
Soil health and fertility management										
Production of Inputs at site										
Methods of protective cultivation										
Others (pl. specify)	1	0	0	0	5	17	22	5	17	22
Total										
Post harvest technology and value addition										
Processing and value addition										
Others (pl. specify)										
Total										
Farm machinery										
Farm machinery, tools and implements										
Others (pl. specify)										
Total										
Livestock and fisheries										
Livestock production and management										
Animal Nutrition Management										
Animal Disease Management										
Fisheries Nutrition										
Fisheries Management										
Others (pl. specify)										
Total										
Home Science										
Household nutritional security										
Economic empowerment of women	4	0	30	30	0	85	85	30	85	115
Drudgery reduction of women										
Others (pl. specify)										
Total										
Agricultural Extension										
CapacityBuilding and Group Dynamics										
Others (pl. specify)										
Total										
GRAND TOTAL	13	45	30	105	115	148	281	195	180	375

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

	No. of				No. of	Participants	5			
Area of training	Courses	(General/ Others			SC/ST			Grand Tota	ıl
	Courses	Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop production and management										
Commercial floriculture										
Commercial fruit production										
Commercial vegetable production										
Integrated crop management										
Organic farming										
Others (pl. specify)										
Total										
Post harvest technology and value										
addition										
Value addition	1	0	45	45	0	45	45	0	90	90
Others (pl. specify)										
Total										
Livestock and fisheries										
Dairy farming										
Composite fish culture										
Sheep and goat rearing										
Piggery										
Poultry farming										
Others (pl. specify)										
Total										
Income generation activities										
Vermicomposting	3	47	13	60	0	0	0	47	13	60
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.	1	0	0	0	14	13	27	14	13	27
Tailoring, stitching, embroidery, dying										

etc.										
Agril. para-workers, para-vet training										
Others (pl. specify)										
Total										
Agricultural Extension										
Capacity building and group dynamics										
Others (pl. specify)										
Total										
Grand Total	5	47	58	105	14`	58	72	61	116	177

3.5. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
Advisory Services (Other than KMAS)	_		-	-
Kisan Gosthi	7	242	154	396
Khedut Shibir	5	484	308	792
Field day	10	199	57	256
Mahila Shibir	3	0	601	601
SHG Mahila meeting	3	0	43	43
Mahila Meeting	4	0	84	84
Film Show	53	911	1251	2162
Method Demonstration	33	399	1277	1676
Meeting attended	54	1633	584	2217
Special programme	14	1846	2179	4025
Special day celebration	36	1512	1117	2629
Lectures delivered as resource persons	70	2234	1393	3627
Newspaper coverage	5	2635	1365	4000
Advisory Services/ Telephone	44	2680	720	3400
What's app and other ICT tools advisory	17	22957	16067	39024
Scientist visitto farmers field	66	276	103	379
Farmers visitto KVK	90	175	37	212
Diagnostic visits	123	365	157	522
Exposure visit	5	113	14	127
Swachchhta related activities-2-31/10/21	16	271	189	460
Swachchhta related activities-16-31/12/21	15	267	154	421
Exhibition	2	358	372	730
FLD Visit	6	24	9	33
Sample Diagnosed	4	4	1	5

Online Webinar/ Workshops/ Meetings	37	5965	2890	8855
Other	282	2577	2383	4960
RAWE Students visit	1	8	2	10
Total	1005	48135	33511	81646

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

Details of other extension programmes:

Particulars	Number
Electronic Media (CD./DVD)	10
Extension Literature	3
Newspaper coverage	15
Popular articles	2
Radio Talks	0
TV Talks	1
Social Media (No. of platforms Used)	5
Total	36

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
А	Farmers training				
1	Farmers training	Audio Conferencing	Dial-out training on Integrated Pest and Disease Management in Paddy	1	77
6	Farmers training	Google meet	Basics of kitchen gardening	1	36
7	Farmers training	Google meet	Terrace/kitchen gardening	1	143
8	School Students	Google meet	Terrace/kitchen gardening with school students	1	72
9	Farmers training	Google meet	Scientific cultivation of mango	1	279
10	Farmers training	Audio Conferencing	Dial out- Scientific cultivation of Vegetable crops	1	70
11	Farmers training	Google meet	Webinar on Kitchen gardening	1	275

12	Farmers training	Google meet	Webinar on terrace/kitchen gardening	1	95
13	Farmers training	Google meet	Scientific Cultivation of Paddy	1	35
14	Farmers training	Google meet	Scientific Cultivation of Cotton	1	46
			10	1128	
В	Farmers scientist's	0	0	0	0
	interaction programme				
	Total	0	0	0	0
С	Farmers seminars	0	0	0	0
	Total	0	0	0	0
D	Expert lectures		0	0	0
			Total	0	0
Е	Any other (Pl. specify)	0	0	0	0
	Total				
			Grand Total (A+B+C+D+E)	10	1128

3.7. PRODUCTION OF SEED/PLANTING MATERIAL AND BIO-PRODUCTS

Production of seeds by the KVKs

Сгор	Name of the crop	Name of the variety	Name of the hybrid	Quantity of seed (q)	Value (Rs)	Number of farmers
Cereals	Paddy	GNR-3		84	262080	
		GR-17 (Sardar)		162.50	505440	
	Straw			200	80000	
	Soybean	NRC-37		40	240000	
	Green Gram	GM-6		5.50	55000	
Total				492.00	11,42,520	

Production of planting materials by the KVK

Сгор	Name of the crop	Name of the variety	Name of the hybrid	Number q/ha	Value (Rs.)	Number of farmers
Vegetable seedlings	Drum Stick	ODC-3		3525	105750	200
Total				3525	105720	200

Production of Bio-Products: Nil

	Name of the bio-product	Quantity		
Bio Products		Kg/Lit	Value (Rs.)	No. of Farmers
Bio Fertilisers				
Bio-pesticide				
Bio-fungicide				
Bio Agents				
Others				

Total	0	0	0	0

Production of livestock materials:Nil

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	0	0	0	0

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

A. KVK News Letter ((Date of start, Periodicity, number of copies distributed etc.):

Item	Title	Authors name	Number	
Research papers	Knowledge and adoption of kitchen gardening by urban women	Bhimani, Gita J., Bariya, M. K. and Panchal, Bhakti B.	<i>Guj. J. Ext. Edu.</i> , 31(2):16-20.	
	Knowledge regarding food and nutrition among farm women	Gita J. Bhimani, M. K. Bariya and J. H. Rathod	<i>Guj. J. Ext. Edu.</i> ,: Volume - 31 18-21	
	Evaluation of various combi product fungicides for the control of wilt (FOV) disease of cotton under <i>in vitro</i> condition of south Gujarat (India).	Patel, B. K., Sandipan, P. B., Chawada, S. K. and Patel R. K.	Int. J. Chem. Stud., 9(1): 2992-2995.	
	Screening of different fungicides and biocontrol agents against <i>Fusarium</i> <i>oxysporum</i> f. sp. <i>vasinfectum</i> (FOV) under pot condition.	Patel, B. K., Sandipan, P. B., Patel R. K. and Chawada, S. K.	Int. J. Chem. Stud., 9(1): 1005-1007.	
	Evaluation of different biocontrol agents against <i>Fusarium oxysporum</i> f. sp. <i>vasinfectum</i> (FOV) under <i>in vitro</i> condition of South Gujarat.	Patel, B. K., Sandipan, P. B., Chawada, S. K. and Patel R. K.	Int. J. Chem. Stud., 9(1): 998-1000.	
	Wilt: An important fungal disease of cotton under South Gujarat region of India.	Patel, B. K., Sandipan, P. B., Patel R. K. and Chawada, S. K.	Int. J. Chem. Stud., 9(1): 269-271	
	Screening of different non systemic and systemic fungicides for the wilt disease of cotton under <i>in vitro</i> condition of South Gujarat.	Patel, B. K., Sandipan, P. B., Patel R. K. and Chawada, S. K.	<i>Int. J. Curr. Microbiol. App. Sci.</i> , 9 (12): 820-825.	
	Morphological and cultural characteristic of <i>Fusarium oxysporum</i> f. sp. <i>vasinfectum</i> (FOV) under South Gujarat	Patel, B. K., Sandipan, P. B., Chawada, S. K. and Patel R. K.	<i>Int. J. Curr. Microbiol. App. Sci.</i> , 9 (12): 814-819.	
Technical reports	AGRESCO, ZREAC, SAC, AAP, APR, MPR, QPR		Periodically	
News letters	0	0	0	
Technical bulletins	0	0	0	
Popular articles	Physiological Basis of Growth, Yield and Quality of Vegetable Influenced by Chemicals or PGRs.	Panchal Bhakti B. and Prof. S. J. Trivedi (2021).	<i>Agriculture & food e-newsletter</i> , 3 (1): 123-126.	
	Vegetable Production Using Zero Land for Food and Nutrition	Bhakti B. Panchal	<i>Agriculture & food e-newsletter</i> , 3 (6): 250-251.	
	Chana nee jivato nu jaivik niyantran.	Patel, R. K., Patel, C. J., Gajjar, S. N. and	State level seminar on "Maintenance	

		Chauhan, H. R.	of the quality and safety of
			horticultural and food crops through
			biological control of pests and
			diseases" at Navsari Agricultural
			University, Navsari on December 30,
			2021, pp.112.
Extension literature	0	0	0
Others (Pl. specify)	0	0	0
TOTAL			

C. Details of Electronic Media Produced : Nil

S. No.	Type of media (CD / VCD / DVD/ Audio-	Title of the programme	Number
	Cassette)		
-	-	-	-

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	1	14
2	Facebook page/ Account	1	
3	Mobile Apps	-	-
4	WhatsApp groups	11	2000
5	Twitter Account	1	25
6	Any other (Pl. Specify)	Telegram	410

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).

Horticulture

Success Story-1

1	Name of Farmer	Shaileshbhai Ranchhodbhai Sailor
2	Father's Name	Ranchhodbhai Sailor
3	Date and Place of birth	29/06/1966, Rander, Surat(Gujarat)
4	Postal Address	A-2, Ranchhod Park Society, Near Sai Pujan Apartment, Jahangirapura - Olpad Road, Surat, Gujarat-395005
5	Mobile No.	98791 27205
6	Email Id	
7	Educational	SSC fail
	qualification	
8	Total land	10 ha

9	Area under Crop	(i) J	(i) Field Crops: 8.40 ha								
		(ii) J	(ii) Horticultural Crops: 1.60 ha (Greenhouse)								
10	New technologies	In N	In NVPH system, he has grown gerbera for first two years. After that, he planted the orchid and Strawberry plants in two layer system. In								
	developed	first laye	first layer, planting of orchid in coconut husk put on GI stand at the height of 2.5-3.0 feet and 1 meter width. In second layer, planting of								
		strawber	strawberry (Soilless cultivation) in turf technology (40-20 cm turf) with help of GI pipe in hanging condition above 2 feet from orchid plant.								
	l	Fertilizer	Fertilizers were applied manually in orchid and through drip irrigation in strawberry.								
11	Activities wise income,	Crop : P	Crop: Paddy								
	cost benefit ratio, gross	Yea	r	Area (ha)	a) Total production Tof		Total incor	tal income Total cost		Net profit	
	and net income year					(kg)	(Rs.)		(Rs.)	(R s.)	
	wise for previous five										
	years.	2015-10	6	2.0		10,445	1,56,6	70	70,500	86,170	
		2016-1	7	2.5		13,755	2,20,0	2,20,080 90,800		1,29,280	
	l	2017-1	8	2.5		14,365	2,22,6	60	92,600	1,30,060	
	l	2018-19	9	2.0		11,150	1,84,0	00	78,400	1,05,600	
		2019-20	0	2.5		14,280	2,28,4	80	95,800	1,32,680	
	l	Horticu	lture (crops: Gerbe	ra	,	, , ,		,	, ,	1
	l	Year	Are	a Product	ion:	Productio	n: To	tal	Total cost	Net profit	
	l		(ha)) no. o	f	no. of	inco	me	(Rs.)	(Rs.)	
	l		. ,	flowers/	dav	lav flowers/vear		(Rs.)		~ /	
		2015-	2015 0.80 7		000	$\frac{1}{252000}$		000	32,76,000	23 94 000	
		16	0.0	0.00 7,0		,000 23,20,000		0,000	52,70,000	23,91,000	
	l	2016-	0.8	0 7	305 26 30 00		00 55.23.000		36.82.000	18.41.000	
		17	0.0	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		20,00,	, , , ,		00,02,000	10,11,000	
		Horticu	lture	crops: Orchi	d		I		1	1	
	l	Year	•	Area To	otal no.	Producti	ion: To	tal	Total cost	Net profit	
	l			(ha) of	plants	no. of	f inco	me	(Rs.)	(Rs.)	
	l			`	1	spikes/v	ear (R	s.)			
		2017-1	8	0.80	85,000	82	,000 8,2	0,000	2,48,500	5,71,000	
		2019-20	0	0.80	85,000	2,48	,500 29,8	2,000	9,54,000	20,28,000	
12	What improvement have	• The	flowe	rs of orchid k	ave hic	h demand in	n local marke	t			<u> </u>
12	been effected for		licatio	n of fertilize	rs and i	rrightion giv	r iocar marke	n. nrod	uction In one	veer one spil	kes from one plant which has high demand at
	productivity	• Appi	• Application of refunzers and migation gives more spike production. In one year, one spikes from one plant which has high demand at memory factively, which take high profitability then other area.								
	profitability and	man	marriage time, resuvais, which take high promability than other crop.								
	sustainability -										
	enhancement										
13	Any spread effect on	• The	cost fu	or greenhous	e devel	opment of or	rchid in one s	cre of	area is aroun	d Rs 30-40 12	khs. The total cost for farming of orchid is
15	Fellow Farmers	- 110 9rou	ind Re	60 lakhe Se	r it is y_{ℓ}	opinent of of	to adopt this	techno	logy for com	mon farmer	kins. The total cost for farming of oreflie is
		• If far	rmere	oet subsidy	$\int \mathbf{R} \cdot \mathbf{r}$	8_40 lakhe fi	rom state gos	ernme	nt/horticultur	e denartment	then and then he can start this farming
			Kouch	ilthei Seiler	n Ko. J	orted the ser	no husinoso	Uo plo	ntad orahida i	n 1 agra graan	house Mr. Subbas Datal Villaga Jothan Tal
		■ _IVII. !	Mr. Kaushikohai Sailor also started the same business. He planted orchids in 1 acre green house. Mr. Subhas Patel, Village Jothan, 1 al-								

	Olpad planted Gerbera in 2 acres of Green house.
	• Both Mr. Girish Patel & Mr. Ashok Patel started 1 acre greenhouse each at village Varoli Taluka Olpad. They grow capsicum and got good
	income.
	• Mr. GirishGohil started greenhouse (1 acre) with gerbera and now he shifted to orchid (3 acres)
	• Mr. Gomansinh Patel from village Kudadra Tal- Hansot started 1 acre greenhouse with orchid and going to start another 1 acre
	greenhouse.
	• Mr. Haribhai Patel from village Kudadra Tal- Hansot started 1 acre greenhouse with orchid and going to start another 1 acre greenhouse.
	• Mr. Ishvarsinh Patel going to start orchid in 2 acres of land.
	• Thus eight farmers started greenhouse cultivation with gerbera and orchid as single crop.

Other Activities:

Innovative interventions inducted in the system of production and management and effects:

In NVPH system, he has planted the orchid and strawberry plants in two layer system. First layer system, planting of orchid on coconut husk put on GI stand at the height of 2.5-3.0 feet and 1 meter width. In second layer, planting of strawberry (Soilless cultivation) in turf technology (40-20 cm turf) with help of GI pipe in hanging condition.

Extent of publicity of his / her innovations / contributions / success story:

- Interested farmers of different locations and government officers visited the poly house/greenhouse
- A newsletter was published in a leading newspaper -The Times of India
- An article published in "Majjeni Life" in vernacular language- Lokoni demand videshi fulo taraf vadhi : Kaushikbhai Sailor








Case Study: Improve nutritional status through terrace gardening:

Before starting concept of the terrace garden, KVK, Surat participated in Horticulture Fair- 2015. In that, it was suggested to arrange terrace garden training especially for the urban people. More than 750 people do the registrations who were interested for the training of terrace garden. To do the management of training MoU made with other NGO/Institute and it named as SAUAR (Surat Alliance for Urban Agriculture Resilience). Total nine trainings were conducted for the terrace garden and in which 60-70 people participated in each training. Whatsapp group of each training was made. Using this technology, participants can directly contact with concert scientist and solve the problem within short period of time. Participants also share their activities regarding terrace gardening which increase the interest regarding gardening in other participants.

Back ground information: In Surat city, mainly urban people do not have own spare space in and around the house. To solve the problem of land, proper utilization of terrace space for gardening. Due to lack of knowledge and proper sources, none of them can properly utilizing the available space. Seeing the interest of people, KVK Surat has started the special training for urban people with objective to popularize and adoption of terrace garden and gets fresh vegetable and increase nutritional status in their daily diet. This also helps to utilize the recycled household waste efficiently for cultivation of crop through composting.

Intervention: Krishi Vigyan Kendra, Surat conducted training for terrace garden to increase the awareness as well as to popularize it in Surat city. On terrace garden people grown more than 60 different types of horticultural crops on their terrace and utilize those fresh vegetables for their daily diet and after consumptions they also share their produce with their neighbor.

Actual output: From first training, continuous demand came from city people regarding more and more advance trainings related to terrace garden. Number of people in Surat city are start to grow no. of horticultural crops (around 60) on their own terrace and consume fresh organic and nutritional food.

Actual outcome: By conducting training to increase awareness/popularizing terrace garden activity, more than 2500 people of urban area are now a day's practicing and app. 1850 people are successfully starting the terrace garden. They can get easily available fresh, organic and nutritious food from their own terrace garden. Better utilization of spare time and space. Improve the health of the families. Most of the gardeners who were using hazardous chemical fertilizers and chemical pesticides are now a day's using biofertilizers, botanicals and biopesticides.

Case study : 1

Name	: Dr. Mohiniben Pankajbhai Gadhiya
Village	: Surat
Crop	: All types of vegetables
Area	: On Front Balcony
Mobile no.	: 9265229107

Earlier people were not using the balcony space for the cultivation of the daily used vegetable and other ornamental plants. After participation in the training of terrace garden on KVK Surat, She applied this technology on her balcony. Presently, she is growing the vegetables like, brinjal, tomato, okra, chilli, cucurbits, tuber crops yam, suran and other kitchen vegetables. She is also growing the ornamental plants for the beautification of the terrace like, adenium, football lily, rose *etc.* Also sharing the photographs of his activity of the terrace gardening. She is also making kitchen compost from kitchen waste and use in the garden as a fertilizers. Those fresh vegetables used for the daily consumption and take the healthy and organic food.







Case study: 2

Name	: Dr. Rekhaben Nisikant Mistry
Village	: Surat
Crop	: Vegetables and medicinal plants
Area	: On terrace
Mobile no.	: 9879484515

She uses the space of gallery and terrace for the cultivation of vegetables like, brinjal, tomato, chilly, fenugreek, coriander, garlic, curry leaf. Medicinal plants like, tulsi, mint, aloe vera, lili cha, ardusi, long piper, etc. After the training of terrace garden, she motivated to grow vegetables on home which is healthy, without chemical residue, nutritious and organic. She has also utilized the recycled household waste efficiently for cultivation of crop through composting. Mrs. Rekha is a role model to the other people for taking up the modern technology and cultivation practices in the terrace garden.









Case study: 3

- Name : Mrs. Anupama Himnshu Desai
- Village : Surat
- Crop : Common vegetables like, brinjal, tomato, chilli, cucumber, gourds and fruit plant
- Area : On terrace
- Mobile no. : 9427111881

Mrs. Anupama earlier was not using the terrace space for the growing of the daily used vegetable. After she was participated in the training of terrace garden at KVK, she applied technology on his terrace. Presently, she is growing the vegetables like, brinjal, tomato, okra, chilly and cucurbits in different container. She is also growing the cucurbits on the trellis and support of the stick. In fruit crops, mainly dragon fruit, cherry, mulberry, guava and star apple are growing on terrace. She also made home based pesticides and apply on plants to manage different diseases and pest as mentioned during training. She is sharing the photographs of his activity of the terrace gardening. Those fresh vegetables used for the daily consumption and take the healthy and organic food.



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

Technology transfer - OLN-Novel, Novel plus, Bio-fertilizers and Waste decomposer

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)

Sr.	Crop/En	ITK Practiced	Purpose of
No.	terprise		ITK
1	Caster	Soak seed with sour butter milk overnight to control the catter piller in caster crop	Plant
		and may be used in other crops too.	Protection
2	Paddy	Removed of tips in Paddy and other seedlings to enhance drought tolerance and	Agronomy
	-	also sustained to water logging/ flowing condition.	

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

- A. Practicing Farmers
- a) Group discussion
- b) Power point presentation
- c) Method demonstration
- **B. Rural Youth**

- a) Group discussion
- b) Power point presentation
- c) Method demonstration
- C. In-service personnel
- a) Group discussion
- b) Power point presentation
- c) Method demonstration

5.2. Indicate the methodology for identifying OFTs/FLDs – As per methodology mentioned in table 2.7

5.3 Field activities – As mentioned in Table No. 2.7 and 3.1 B

6. LINKAGES	
Name of organization	Nature of linkage
АТМА	Training, Exhibitions, Best ATMA Award Participation
Line departments (Horticulture & Agriculture	Training and Shibir
Animal Husbandry	Pasupalan Shibir
NABARD	Trainings, FLD distribution
Ambuja Cement Foundation	Trainings, Shibir, Special Day Celebration
Forest	Trainings, Shibir
Reliance foundation	Trainings, Shibir

NB: The nature of linkage should be indicated in terms of joint diagnostic survey, joint implementation, participation in meeting, contribution received for infrastructural development, conducting training programmes and demonstration or any other

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

	Programme		No. of	No. of	Other remarks (if
S. No.		Particulars	programmes attended by KVK staff	programmes Organized by KVK	any)
01	Meetings	10	10		
02	Research projects				
03	Training programmes	24	24		
04	Demonstrations				
05	Extension Programmes	23	23	3	
	Kisan Mela	1	2		
	Technology Week				
	Exposure visit				
	Exhibition	2	2		
	Soil health camps				
	Animal Health				
	Campaigns				
	Others (Pl. specify) Best innovative Farmers Award, Women Empowerment Day, Soil Health Day	21	21	3	
06	Publications				
	Video Films				
	Books				
	Extension Literature				
	Pamphlets				
	Others (Pl. specify)				
07	Other Activities (Pl. specify)				
	Watershed approach				
	Integrated Farm Development				
	Agri-preneurs development				

D. Give details of programmes implemented under National Horticultural Mission

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

|--|--|

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. Deta	ails 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

H. Details of linkage with NFSM

S. No.	Programme	Nature of linkage	Funds earmarked if any Rs.	Expenditure during the reporting period in Rs.	Remarks
1	Gram Rabi 2021-22	Demo:10 ha	90000	119430	
2	Green gram Summer-2021	Demo:30 ha	270000	100900	
3	Gram Rabi 2020-21	Demo:30 ha	270000	178500	

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:

Sr. No.	Name of the sponsoring agency	Type of activity	Role of KVK	No. of farmers
				benefited
1	ATMA	Training, Exhibitions, Best ATMA Award Participation	As Guest Lecturer in Training	388
2	Bank of Baroda	Exhibitions	Exhibition stall at Bardoli	2340
3	Forest Department	Trainings, Sibir, FLD	As Guest Lecturer in Training	251
4	Baroda Swarojgar Vikas Sansthan	Trainings, Shibir	As Guest Lecturer in Training	58
5	DRDA, Surat	Training	Guest Lecture	330
6	Department of	Training, Shibir,	Guest Lecture, Diagnostic Visit	749
	Horticulture, Surat	Seminar		
7	Department of Agriculture, Surat	Training, Shibir, Seminar	Guest Lecture, Diagnostic Visit	810

8	UHCRCE, Surat	Training, Seminar	Guest Lecture, Seminar	421
9	ICDS, Mandvi	Training	Guest Lecture	201
10	Community Science Center, Surat	Training, Seminar	Guest Lecture	107
11	Ambuja Cement Foundation	Trainings, Sibir	As Guest Lecturer in Training	1240
12	Reliance foundation	Trainings, Sibir, Special Day Celebration, FLD	As Guest Lecturer in Training, Input distribution,	515
13	Mandvi Rice mill Co- operative Society, Mandvi	Trainings, Sibir, FLD	As Guest Lecturer in Training, Input distribution	157
14	Adani Foundation, Surat	Shibir, Training	As Guest Lecturer in Training	26
15	Mahila Samakhya, Surat	Training, Mahila Shibir	As Guest Lecturer in Training	115
16	Jan Sikshan Sansthan, Surat	Training	As Guest Lecturer in Training	53
17	Unnat Bharat Abhiyan, SVNIT, Surat	Training, Field Visit, Shibir	Diagnostic Visit, Guest lecture	210
18	Care India, Umarpada, Choryasi	Training, Field Visit, Shibir	Diagnostic Visit, Guest lecture	112
19	The southern Gujarat Chamber of Commerce & Industry	Training	Guest lecture	450
20	KVSVS, Surat	Training, Shibir, FLD, Field Visit	FLD Distribution, Guest lecture, Diagnostic Visit	650
21	L&T, Hazira, Surat	Training, Seminar	Guest Lecture, Seminar	255

8. Innovative Farmers Meet

Sl.No.	Particulars	Details
1	Have you conducted Farm Innovators meet in your district?	No

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:

S. N.	Сгор	Technology demonstrated	Feed back
1	Paddy	GNRH -2	1.Medium slender grain rice
-	1 4445		2. It is moderately resistant against bacterial leaf blight, leaf
			blast, grain discoloration and sheath rot.
			3. Tolerant to insect pest like BPH, WBPH, leaf folder and
			stem borer.
			4 Suitable for rice growing areas of South Gujarat
2	Paddy	GR -17(Sardar)	1. Early maturing, Long bold grain
			2.Moderately resistant against bacterial leaf blight, leaf blast,
			grain discoloration, sheath rot, WBPH and leaf folder
			3.Suitable for transplanted rice growing areas.
3	Paddy	GNR -6	1.Suitable for rainfed transplanted condition
			2. With respect to pest and diseases, it was found superior to
			other cultivated varieties.
4	Paddy	GNR - 7	1.It has short slender grain, high productive tillers and number
			of grains per panicle with good quality characters.
			2.1t is moderately resistant against bacterial leaf blight, grain
			discoloration and sheath rot.
			3.It showed tolerant to pest like BPH and moderate resistance
5	D-11-	$CD = 1 \left(\left(T_{-1} \right) \right)$	against stem borer, leaf folder and sneath mite.
5	Paddy	GK – 10(1api)	2. Long hold variety with good grain quality
			2. Long bold variety with good grain quality,
			s. Moderatery resistant reaction against real blast and insect pest like stem horer and sheath mite. Suitable for upland
			rice growing areas
6	Sorghum	GNL1	1 High vielding
0	Sorghum	UNJ-1	2 Less incidence of smut shoot horer and grain mould
7	Sorghum	GI-38	1 Good grain quality
,	borghum	0.00	2. Resistant to shoot-fly stem-borer and smut disease
8	Sovbean	NRC-37	1.Moderate vield 2.Early maturing
	5		3. Moderately Resistant to Pest & disease
9	Green gram	GAM-6	1.Moderate Yield
	_		2.Moderately Resistance to YMD
10	Sesame	GT-5	1.Moderate yield
			2. Moderately Resistant to Helicoverpa
11	Groundnut	GG-34	1.Higher yield with bold grain
			2. Tolent to rust and late tikka disease
			3.Lower infestation of trips and jassids
12	Cotton	G.Cot.Hy-12(Bt)	1.Higher yield
			2.Early maturing
			3.Suitable for rainfed area 4.Resistant to pest & diseases
13	Pigeonpea	GNP-2	1.Seed is round,Pods are of light green colour
1.4	D :	CT 104	2. Tolerant to will & SMD
14	Pigeonpea	GT-104	1. Resistant to wilt and sterility
1.7	D'	OT 105	2.Red flowers & Pods set in clusters
15	Pigeonpea	G1-105	1. Resistant to sterility, early maturing
16	Brinial	INM	2. I CHOW HOWERS
10	Dinijai	TTATAT	I. Increase III yield and quality of fruit Depresses use of chemical fartilizers
17	Tindala	CNLC 1	L. Decrease use of chemical fertilizers
1/	Tindoia	UNLU-I	1. Wrote fruit setting than focal cultivar
			2. Iviedium size fruit high market demand
18	Banana	INM	1. Increase bunch weight and quality
19	Parvar	INM	1. Increase in yield and quality of fruits
			2. Increase fruit setting ratio
20	Parvar	GNPG-1	1. More production than local variety.
21	Sweet potato	C-71	1. More tuber production and green leaf production.
22	Okra	INM	1. Increase the production

				2. Reduce the use of chemical fertilizers
--	--	--	--	---

10.2. Technical Feedback from the KVK Scientists (Subject wise) to the research

institutions/universities:

- 1. Huge damage of pig/wild boar in agricultural crops in village of Masma, Mandroi, Asnad, Sarsana, Sandhier, Bharundi, Kareli, Madhar *etc*.
- 2. The problem of pointed gourd wilt and nematodes are increasing in area of Mahuva and Olpad block of Surat district. Effective IPDM module should be developing.
- 3. IDM module for the management of Banana wilt should be developed.
- 4. Compatibility study on use of Novel, Novel plus and Novel prime with other organic or chemical should be done to cut down the cost of cultivation.

11. Technology Week celebration during 2021:No

Period of observing Technology Week: From to Online / Offline: 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 Practical's			
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):Nil

A. Introduction of alternate crops/varieties

State	Crops/cultivars	Area (ha)	Number of beneficiaries

B. Major area coverage under alternate crops/varieties

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

C. Farmers-scientists interaction on livestock management

State	Livestock components	Number of	No. of
		interactions	participants

Total	0	00	

D. Animal health camps organized

State	Number of camps	No.of animals	No. of farmers
Total	0	0	0

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

State	Crops	Quantity (qtl)	Coverage	Number
			of area	of
			(ha)	farmers
Total	0	0	0	0

F. Large scale adoption of resource conservation technologies: Nil

State	Crops/cultivars and gist of resource conservation technologies introduced	Area (ha)	Number of farmers
Total	0	0	0

G. Awareness campaign:Nil

State	Meetin	gs	Gosthi	es	Field	l days	Farme	ers fair	Exhibiti	on	Film	show
	No.	No. of	No.	No. of	No.	No. of	No.	No. of	No.	No. of	No.	No. of
		farmers		farmers		farmers		farmers		farmers		farmers
Total	0	0	0	0	0				0			

13. IMPACT

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

Name of specific technology/skill	No. of	% of adoption	Change in income (l	Rs.)
transferred	participants		Before (Rs./Unit)	After (Rs./Unit)

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)

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

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
Jan 2021	0		
Feb 2021	1	7561	
March 2021	1	4641	
April 2021	1	78	
May 2021	2	15326	

Jun 2021	0		
Jul 2021	1	7657	
Aug 2021	-		
Sept 2021	-		
Oct 2021	-		
Nov. 2021	-		
Dec. 2021	-		

				Тур	e of Messa	ages		
Name of KVK	Message Type	Сгор	Livesto ck	Weather	Marke -ting	Awar e-ness	Other enterpris e	Total
	Text only	6	-	108	-	-	-	114
	Voice only	-	-	-	-	-	-	-
	Voice & Text both	-	-	-	-	-	-	-
	Total Messages	6	-	108	-	-	-	114

15. PERFORMANCE OF INFRASTRUCTURE IN KVK

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

SI	Domo	Voor of	A 1900	Details o	of production	on	Amoun	t (Rs.)	
No	Unit	I car of	Area (ba)	Variaty	Draduaa	Otv	Cost of	Gross	Remarks
110.	Omt	establishment	(11a)	variety	TTouuce	Qiy.	inputs	income	

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

Nama	Data of	Data of		Detai	ls of productio	n	Amour	nt (Rs.)	
of the crop	sowing	harvest	Are (ha	Variety	Type of Produce	Qty.	Cost of inputs	Gross income	Remarks
Cereals									
Pulses									
Oilseeds									
Fibers									
Spices & Planta	ation crops	ſ	1		ſ	1			
Floriculture									
Fruits									
Vegetables									
Others (specify)				I			[

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

SI. DIO IVanie Of Quy (kg/nt) Annount (KS.) Keinarks	SI. BIO Name of $Qiy (kg/iii)$ Amount (KS.) Kemark
--	--

No.	Products	the Product	Cost of inputs	Gross income	
	Bio-		 		
	Fertilizers				
	<mark>Bio-</mark>				
	Fungicides				
	<mark>Bio-</mark>				
	pesticides				
	Bio-				
	Agents				

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

	Name	Detai	ls of production		Amou	nt (Rs.)	
Sl. No	of the animal / bird / aquatics	Breed	Type of Produce	Qty.	Cost of inputs	Gross income	Remarks

E. Utilization of hostel facilities: Not applicable Accommodation available (No. of beds):

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
January 2021	-	-	-
February 2021	-	-	-
March 2021	-	_	-
April 2021	-	-	-
May 2021	-	-	-
June 2021	_	_	-
July 2021	-	-	-
August 2021	_	_	-
September 2021	_	_	-
October 2021	_	_	-
November 2021	-	-	-
December 2021	-	-	-

F. Database management

S. No	Database target	Database created

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

Amou nt sancti on (Rs.)	Expenditu re (Rs.)	Details of infrastruct ure created / micro irrigation system etc.		Activities conducted					
			No. of Training program mes	No. of Training programNo. of Demonstrati on sNo. of plantVisit by by materiaVisit farmeNo. of plantNo. of plantVisit by by by materiaVisit farmemesIs producrs (No.)Is (No.)					

H. Performance of Nutritional Garden at KVK farm

If Nutritional Garden developed at KVK farm/Village Level? No If yes,

Nutritional Garden developed at KVK farm

Area under nutritional garden	Component of Nutritional Garden	No. of species / plants in nutritional garden	No. of farmers visited
(ha)	Surden	nutritional garacti	
	Vegetable crops		
	Fruit crops		
	Others if any		

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
	Vegetable crops		
	Fruit crops		
	Others if any		

H. Details of Skill Development Trainings organized

S.No.	Name of	me of Name of		No. of participants						
	KVKs/SAUs/ICAR Institutes	Name of QP/Job role	Duration (hrs)	SCs/STs		0	Others		Total	
				Male	Female	Male	Female	Male	Female	

17. FINANCIAL PERFORMANCE

A. Details of KVK Bank accounts

Bank account	Name of the	Location	Branch	Account	Account	MICR	IFSC
	bank		code	Name	Number	Number	Number
Current	State Bank Of	Prakash	009166	NAU	32212880883	395002022	SBIN0009166
	India	Society		Krishi			
		Surat		Vigyan			
				Kendra,			
				Athwa			
				Farm			
				Surat			

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

S N 0.	Particulars	Sanct ioned	Rele ased	Expen diture
А.	Recurring Contingencies			
1	Pay & Allowances	116.0	76.5	84.62
		0	6	
2	Traveling allowances	1.00	0.75	0.27
3	Contingencies			
A	Stationery, telephone, postage and other expenditure on office running, publication of			
	Newsletter and library maintenance (Purchase of News Paper & Magazines)			
B	POL, repair of vehicles, tractor and Equipments			
С	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)			
D	Training material (posters, charts, demonstration material including chemicals etc.			

	required for conducting the training)			
Ε	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)			
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)			
G	Training of extension functionaries			
Η	Maintenance of buildings			
Ι	Establishment of Soil, Plant & Water Testing Laboratory			
J	Library			
		11.00	5.97	6.61
	TOTAL (A)	128.0	83.2	128.00
		0	Q	
		U	o	
В.	Non-Recurring Contingencies	•	0	
B. 1	Non-Recurring Contingencies Works	29.00	0	0
B. 1 2	Non-Recurring Contingencies Works Equipments including SWTL & Furniture	29.00	0	0
B. 1 2 3	Non-Recurring Contingencies Works Equipments including SWTL & Furniture Vehicle (Four wheeler/Two wheeler, please specify)	29.00	0	0
 B. 1 2 3 4 	Non-Recurring Contingencies Works Equipments including SWTL & Furniture Vehicle (Four wheeler/Two wheeler, please specify) Library (Purchase of assets like books & journals)	29.00	0	0
B. 1 2 3 4 T (Non-Recurring Contingencies Works Equipments including SWTL & Furniture Vehicle (Four wheeler/Two wheeler, please specify) Library (Purchase of assets like books & journals) OTAL (B)	29.00 29.00	0	0
B. 1 2 3 4 TC C.	Non-Recurring Contingencies Works Equipments including SWTL & Furniture Vehicle (Four wheeler/Two wheeler, please specify) Library (Purchase of assets like books & journals) DTAL (B) REVOLVING FUND	29.00 29.00	0 0	0
B. 1 2 3 4 TC C. GI	Non-Recurring Contingencies Works Equipments including SWTL & Furniture Vehicle (Four wheeler/Two wheeler, please specify) Library (Purchase of assets like books & journals) OTAL (B) REVOLVING FUND RAND TOTAL (A+B+C)	29.00 29.00 29.00 139.0	0 0 83.2	0 0 91.50

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

Year	Opening balance as on 1 st April	Income during the year	Expenditure during the year	Net balance in hand as on 1 st April of each year
April 2018 to	295591	1024057	603330.8	716317.2
March 2019				
April 2019 to	716317.2	231061.50	324172.36	737079.00
March 2020				
April 2020 to	737079	198210	715629	469660
March 2021				
April 2021 to	469660	1161990	1046975	76205
December, 2021				

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

Sr.	Name of the staff	Designation				
No.			Title of the	Institute	Mode	Dates
			training	wnere	(Online/Offline)	
1	Dr. P. K. Patal	Scientist (Plant	Virtual National	attenueu		16
1	D1. R. R. I ater	Protection)	level higher	NAHEF-	Online	Io Ianuary -
	Shri, S. J. Trivedi	Scientist	training on	CAAST,		5
	~	(Agronomy)	"Sustainable	NAU,		February
	Prof. G. J. Bhimani	Scientist (Home	Development of	Navsari		2021 (21
		Science)	Secondary			days)
	Prof. B. B. Panchal	Scientist	Agriculture:			
		(Horticulture)	Economical, Food-			
			Nutritional and			
			Livelihood			
2		0	Perspective"	Q 11 C	0.1	т
Ζ.	Shri. S. J. Trivedi	(A gronomy)	National webinar	College of A griculture	Online	January 04.08
		(Agronomy)	agriculture	NAU		2021 (5
			through natural	Bharuch		Davs
			resource	Diaradi		2 u j 5 j
			management"			
3.	Prof. G. J. Bhimani	Scientist (Home	National webinar	ATARI, Pune	Online	April 15.
		Science)	on "Bhumi	7		2021
		,	suposhan jan			
			jagran campaign"			
4.	Prof. B. B. Panchal	Scientist	Orientation	ATARI, Pune	Online	May 03-
		(Horticulture)	training for newly	& AAU,		05, 2021
	Shri. S. J. Trivedi	Scientist	recruited subject	Anand		
		(Agronomy)	matter specialists			
	Prof. B. B. Panchal	Scientist (Horticulture)				
5	Dr R K Patel	Scientist (Plant	Virtual training on	NAU Navsari	Online	Anoust
5.		Protection)	management of	11110, 11475411	Omme	24-26
			honeybees			2021
6.	Dr. J. H. Rathod	Senior Scientist &	Workshop on	Poicha	Offline	September
		Head	"Capacity building	Swaminarayan		23-25,
	Dr. R. K. Patel	Scientist (Plant	programme for	Temple, At:		2021
		Protection)	KVK's scientists	Poicha,		
	Shri. S. J. Trivedi,	Scientist	and technical staff	Taluka:		
		(Agronomy)	of South Gujarat"	Inandod,		
	Prof. G. J. Bhimani	Scientist (Home		District:		
		Science)		ivaimaua		

	Prof. B. B. Panchal	Scientist		(Gujarat)		
		(Horticulture)				
7.	Dr. R. K. Patel	Scientist (Plant	Training "Recent	EEI, Anand &	Online	October
		Protection)	extension	DEE, NAU,		20-22,
	Shri. S. J. Trivedi	Scientist	approaches for	Navsari		2021
		(Agronomy)	effective transfer			
	Prof. G. J. Bhimani	Scientist (Home	of technology"			
		Science)				
	Prof. B. B. Panchal	Scientist				
		(Horticulture)				
8.	Dr. J. H. Rathod	Senior Scientist &	Training on	Dandi,	Offline	December
		Head	Natural Farming	Navsari		24-26,
	Shri. S. J. Trivedi	Scientist				2021
		(Agronomy)				
9.	Dr. J. H. Rathod	Senior Scientist &	State level	Navsari	Offline	December
		Head	seminar:	Agricultural		30, 2021
	Dr. R. K. Patel	Scientist (Plant	"Maintenance of	University,		
		Protection)	the quality and	Navsari		
			safety of			
			horticultural and			
			food crops through			
			biological control			
			of pests and			
			diseases"			

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

Name of the	Total No.	Key interventions	No. of farmers	Change in income (Rs/unit)		
vinage	surveyed	mpremeneeu	each intervention	Before (base year)	After (current year)	
Vadia	125	Crops + Horticulture + Animal Husbandry	23	48000	59800	
		Crops + Horticulture	21	42000	52200	
		Any other model (Crop + AH)	20	32800	44100	
Parvat	160	Crops + Horticulture + Animal Husbandry	25	45000	51600	
		Crops + Horticulture	21	32000	44000	
		Any other model Crops + Animal Husbandry	24	28000	33200	

19. Details of activities planned under NARI /PKVY / TSP / KKA, etc.: Nil

S. No.	Name of the programme	No. of villages adopted	Key activities performed	No. of activities carried out	No. of families covered

20. Details of Progress of ARYA Project

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

21. Details of SAP

S.	Types of major Activity conducted- Swachhta Pakhwada, Cleaning, Awareness	No. of	No. of
No.	Workshop, Microbial based Agricultural Waste Management by	Programmes	Participants
	Vermicomposting etc.	conducted	
1	Swachhata pledge	1	10
2	Cleanliness drive including cleaning of offices, corridors and premises.	1	8
3	Cleanines and sanitization drive in the villages involving KVK. Guidence on	1	
	FYM making.		11
4	Cleanliness and sanitation drive within campuses and surroundings including	1	
	residential colonies, common market places.		10
5	Polythene free status, composting of kitchen and home waste materials.	1	
	Promoting clean & green technologies and organic farming practices in kitchen		
	gardens of residential colonies.		37
6	Lecture delivered on cleaning of sewerage & water lines, awareness on recycling	1	
	of waste water, water harvesting for agriculture/ horticulture application/kitchen		
	gardens in residential colonies		23
7	Lecture delivered on agricultural technologies - waste decomposure for	1	
	conversion of waste to wealth, safe disposal of all kinds of wastes		27
8	Celebration of Kisan Diwas (Farmer's Day) inviting farmers. Guidence to farmers	1	
	on Swachhata Pakhvada.		32
9	Swachhata awareness campaign at local level	1	19
10	Cleaning of public places and nearby tourist places.	1	26
11	Organising training on cleanliness for village youth.	1	56
12	Awareness on waste management & other activities including utilization of	1	
	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.		31
13	Training on kitchen garden and Swachhata camapign	1	32
14	Cleaning and creating awareness on treatment & safe disposal of bio-degradable/	1	
	non-bio-degradable wastes to farming community		45

21. Please include any other important and relevant information which has not been reflected above (write in detail).

APR SUMMARY

(Note: While preparing summary, please don't add or delete any row or columns)

1. Training Programmes

Clientele	No. of Courses	Male	Female	Total participants
Farmers & farm women	67	1741	1806	3547
Extension functionaries	11	171	172	343
Rural youth and Vocational	5	61	116	177
Sponsored Training	13	167	208	375
FLD Training	33	417	388	805
SPNF Training	10	176	202	378
Total	139	2733	2892	5625

2. Frontline demonstrations

Crops/Enterprise	No. of Farmers	Area(ha)	Units/Animals
Oilseeds	163	65	163
Pulses	130	57.5	130
Cereals	89	39	89
Vegetables	155	55	155
Other crops	10	4	10
Hybrid crops	-	-	-
Total			
Livestock & Fisheries	-	-	-
Other enterprises	370		370
Total			
Grand Total			

3. Technology Assessment & Refinement

Category	No. of Technology	No. of Trials	No. of Farmers
	Assessed & Refined		
Technology Assessed			
Crops	7	20	45
Livestock	-	-	-
Various enterprises	-	-	-
Total	7	20	45

4. Extension Programmes

Category	No. of Programmes	Total Participants
Extension activities	1005	81646
Other extension activities	31	
Total	10036	81646

5. Mobile Advisory Services

	Message Type		Type of Messages							
Name of KVK		Cro p	Livesto ck	Weath er	Marke- ting	Aware- ness	Other enterprise	Tota 1		
	Text only	6	-	108				114		
	Voice only									
	Voice & Text both									
	Total Messages	6	-	108				114		

Total farmers	1375		7651				2140
Benefitted	8	-	/051	-	-	-	9

6. Seed & Planting Material Production

	Quintal/Number	Value (Rs.)
Seed (q)	492.00	11,42,520
Planting material (No.)	3525	105750
Bio-Products (kg)		
Livestock Production (No.)		
Fishery production (No.)		

7. Soil, water & plant Analysis

Samples	No. of Beneficiaries	Value (Rs.)
Soil	5	0
Water	2	0
Plant	0	0
Total	7	0

8. HRD and Publications

Sr. No.	Category	Number
1	Workshops	1
2	Conferences	
3	Meetings	25
4	Trainings for KVK officials	8
5	Visits of KVK officials	
6	Book published	
7	Training Manual	
8	Book chapters	
9	Research papers	9
10	Lead papers	
11	Seminar papers	
12	Extension folder	
13	Proceedings	
14	Award & recognition	
15	On-going research projects	7