ICAR-ATARI, Pune

DETAILS OF ANNUAL PROGRESS REPORT OF KVKs DURING 2022

(January 2022 to December 2022)

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)
	Office	FAX		
Krishi Vigyan Kendra,Navsari Agricultural University, Ahwa road, Waghai, Ta: Waghai, District: Dangs, Gujarat-394 730	02631-296645	-	kvkwaghai@nau.in	http://dangs.kvk6.in

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

Address	Telephone		E mail	Website address
	Office	FAX		
Navsari Agricultural University, Eru Char Rasta, Dandi Road, Navsari, Gujarat, 396 450	02637-282823 02637-282026	-	dee@nau.in	www.nau.in

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

Name	Telephone / Contact		
	Office	Mobile	Email
Dr. J. B. Dobariya	02631-296645	9724761097	kvkwaghai@nau.in

1.4. Date and Year of sanction: ICAR 1984-85

1.5. Staff Position (as on December, 2022)

					If Permanent, Please indicate			If Temporary, pl. indicate the consolidated amount paid (Rs./month)
Sl. No.	**Sanctioned post**	**Name of the incumbent**	**Mobile No.**	**Discipline**	**Current Pay Band**	**Current Grade Pay**	**Date of joining**	
1.	Senior Scientist and Head	Vacant	-	-	-	-	-	-
2.	Scientist	Dr. J. B. Dobariya	9724761097	Extension Education	57700-182400	-	20.08.2015	-
3.	Scientist	Dr. P. P. Javiya	9925689822	Crop Production	57700-182400	-	27-08-2019	-
4.	Scientist	Mr. H. A. Prajapati	9429430999	Horticulture	57700-182400	-	13.02.2017	-
5.	Scientist	Dr. S. A. Patel	9913439987	Animal Science	57700-182400	-	27-08-2019	-
6.	Scientist	Mr. B. M. Vahunia	8141802632	Plant Protection	57700-182400		28-08-2019	-
7.	Scientist	Vacant (Home Science)	-	-	-	-	-	-
8.	Programme Assistant	Mr. K. V. Patel	9687788642	-	39900-126600	-	24-09-2015	-
9.	Computer Programmer	Vacant	-	-	-	-	-	-
10.	Farm Manager	Mr. R. S. Patel	9904410078	-	39900-126600	-	08-03-2019	-
11.	Accountant/Superintendent	Mr. J. R. Padhiyar	9924748023	-	39900-126600	-	01-04-2022	-
12.	Stenographer	Vacant	-	-	5200-20200	-	-	-
13.	Driver 1	Vacant	-	-	5200-20200	-	-	-
14.	Driver 2	Vacant	-	-	5200-20200	-	-	-
15.	Supporting staff 1	Mr. D. N. Parmar	6356862156		14800-47100	-	01.08.2011	-
16.	Supporting staff 2	Vacant	-	-	4440-7440	-	-	-

1.6. Total land with KVK (in ha):

S. No.	Item	Area (ha)
1	Under Buildings	0.50
2.	Under Demonstration Units	--
3.	Under Crops	2.60
4.	Horticulture	0.83
5.	Pond	--
6.	Others if any (Specify)	1.00
	Total	**4.93**

1.7. Infrastructural Development:

A) Buildings

Sr. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Year	Plinth area (Sq.m)	Expenditure (Rs.)	Starting year	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	1990	200.73	0.93	--	--	--
2.	Farmers Hostel	ICAR	2005	278.00	12.00	--	--	--
3.	Staff Quarters (6)	--	--	--	--	--	--	--
	B-Type(2)	ICAR	1994			--	--	--
	C-Type(1)	ICAR		197.04	343696	--	--	--
	A-Type(1)	ICAR				--	--	--
	E-Type(1)	ICAR				--	--	--
	Total			197.04	343696	--	--	--
4.	RCC approach road		2005	82.00	2.21	--	--	--
5.	RCC Sump		2005	40000 lit cap	0.76	--	--	--
7.	Demonstration Units	----	--	--	--	--	--	--
8.	Fencing	----	--	--	--	--	--	--
9.	Rain Water harvesting system	----	--	--	--	--	--	--
10.	Threshing floor	ICAR	2012	84	2.00	--	--	--
11.	Farm godown	ICAR	2011	12	3.00	--	--	--
12.	ICT lab	--	--	--	--	--	--	--
13.	other	--	--	--	--	--	--	--

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Running	Present status
Motorcycle Hero Honda Splendor	2011	50755	36695 (31-12-2022)	Working
Mahindra Bolero	2019	686240	69797 (31-12-2022)	Working

C) Equipment& AV aids

Name of the equipment/ Implements	Year of purchase	Cost (Rs.)	Present status
Camera (Sony-Digital)	05.01.2001	27100/-	Working
Digital camera	03.01.2009	19038/-	Working
Generator set (Honda)	26.03.2010	49600/-	Working
EPBAX system	24.02.2011	49868/-	Working
Plough (Heavy duty)	18.02.2011	19000/-	Working
Rotavator	14.03.2011	63400/-	Working
Vivitek Multimedia DLP projector	14.03.2011	99990/-	Working
Winnowing fan	27.02.2011	6900/-	Working
Power sprayer	04.02.2011	24150/-	Working
Power tiller	24.03.2011	148785/-	Working
Cultivator	03.03.2011	20700/-	Working
Two-way-leveler	03.03.2011	12600/-	Working
Thresher	17.02.2011	18000/-	Working
Seed cum fertilizer drill	17.02.2011	36100/-	Working
Scale (Weighing)	18.02.2011	6000/-	Working
PROTON Impact	28.03.2011	35600/-	Working

Trailer (For Power tiller)	28.03.2011	26500/-	Working
Submersible pump ISIV-6	07.03.2014	18,750/-	Working
Digital mini lab	23.11.2015	75000/-	Working
Tractor	04.12.2015	581228/-	Working
Paddy winnowing fane	29-02-2016	42200/-	Working
Rotary power tiller	18-03-2016	98500/-	Working
Desk top computer (Lenova)	21-03-2016	38775/-	Working
HP printer	28-03-2016	10999/-	Working
Tractor Trailer	29-03-2016	117000/-	Working
M.B.Plough	20-02-2017	30500/-	Working
Roklith cooler	23-02-2017	79000/-	Working
Lenovo computer (All in one)	07-03-2017	46199/-	Working
Laser printer	07-03-2017	25800/-	Working
Voltas AC	08-03-2017	72000/-	Working
Photocopier machine	10-03-2017	150000/-	Working
Mridaparishak soil testing kit	15-03-2017	90300/-	Working
Multicrop thresher	16-03-2017	210000/-	Working
Kiosk thin client based free standing type model	23-03-2017	90250/-	Working
Stabilizer	27-09-2017	8260/-	Working
V-ditcher, Ridzer, Burd former	19-02-2018	60000/-	Working
Lawn mover	17-03-2018	31500/-	Working
Paddy threshing table (2 peace)	29-09-2018	14000/-	Working

H P Laptop	11-03-2019	44715/-	Working
H P Printer	15-03-2019	14450/-	Working
Reaper	27-03-2019	97211/-	Working
Brush Cutter	27-03-2019	17813/-	Working
Submersible pump 7.5 HP	27-03-2019	29488/-	Working
Projector	27-03-2019	48500/-	Working
U P S inventor	29-03-2019	48000/-	Working
Disc harrow	27-03-2019	101115/-	Working
Air conditional	26-03-2019	116670/-	Working
Mini tractor (VST-Mitsubishi- Shakti)	28-03-2019	335699/-	Working
All in one printer (HP -1005 Laser jet pro MFP)	28-03-2019	17480/-	Working
All in one printer (HP - Laser jet pro MFP)	28-03-2019	28700/-	Working
All in one Computer (No. 4)	28-03-2019	227534/-	Working
Revolving Chair (No. 2)	29-03-2019	9000/-	Working
Bolero (7 Seater)	11-07-2019	4,63,612/-	Working
Canon Camera	28-09-2022	67,500/-	Working
Canon camera lens	28-09-2022	22,475/-	Working
Portable sound system	28-09-2022	24,990/-	Working
TSP Utility center equpment			
Mini tractor VST Shakti 135DI (BHP 13)	17-03-2023	1,95,624/-	Working
Weight scale	23-03-2023	15,000/-	Working
Gravity seed grader	24-03-2023	11,000/-	Working
Jasoda Paddy Thresher	24-03-2023	2,50,000/-	Working

1.8. Details of SAC meeting conducted in the year:

Date	Name and Designation of Participants	Salient Recommendations	Action taken
07-01-2023	Dr. Z. P. Patel Hon'ble, Vice Chancellor, NAU, Navsari	**1.** Awareness programme on plant protection in French bean.	**1.** 2 Training conducted about awareness programme on plant protection in French bean,1 Method demonstration was organised on 07-12-2021, 1 Farmers scientist interaction was organised on 07-12-2021, Lecture was delivered in the Technology week dates on 16-11-2021. (Lecture on awareness on plant protection measure in french bean)
	Dr. N. M. Chauhan, Director of Extension Education, NAU, Navsari		
	Dr. H. E. Patil, Associate Research Scientist, (HMRS), NAU, Waghai, Dangs		
	Dr .J. B. Dobariya, Senior Scientist & Head, KVK, NAU, Waghai, Dangs		
	Dr. C. J. Itwala, Representative of Professor & Head, Department of vegetable Science, ACHF, NAU, Navsari		
	Dr. R. R. Pisal, Representative of Associate Professor (Agronomy), College of Agriculture, NAU, Waghai, Dangs		
	Dr. Mahaveer Choudhary, Principal of Agri. Polytechnic, NAU, Waghai, Dangs	**2.** Promotion of Kitchen Garden.	**2.** We had conducted 4 on – off Sponsored training and other extension activities like 4 lecture delivered, 1 field visit, 4 FLD visit, etc. about Kitchen Garden.
	Mr. H. M. Patel, District Agriculture Officer, Ahwa, Dangs		
	Mr. S. N. Bhagariya, Project Director, ATMA, Ahwa, Dangs		
	Mr. R. K. Mahajan, Area manager, AKRSPI, Ahwa, Dangs	**3.** Motivation for improved breed of back yard poultry.	**3.** We had conducted 1 training and other extension activities like 3 FLD visit, 2 scientist visit to farmers field, 3 method demonstration etc. about back yard poultry.
	Mr. Kashiram Birari, Agri Enterpreneur, Jamlapada, Ta. Waghai, Dangs		
	Mr. Bendubhai M. Gaikwad, Progressive Farmer, Nadagkhadi, Ta. Waghai, Dangs		
	Dr. Amol P. Gonge, Assistant Director of Horticulture, Ahwa, Dangs	**4.** Nutritional management in cereals and pulses crop.	**4.** We had conducted 5 on – off campus trainings, 2 Sponsored training, 2 Vocational training and other extension activities like 5 lecture delivered, 14 field visit, 6 FLD visit, 1 Field day, 1 kishan gosthi etc. about nutritional management.
	Dr. Divya G. Chaudhary, Representative of DAHO, Ahwa, Dangs		
	Dr. J. J. Pastagiya, Principal, CoA, NAU, Waghai, Dangs		
	Dr. S. A. Aklade, Representative of Agri. Polytechnic, NAU, Waghai, Dangs		
	Mr. M. D. Lad, Assistants Extension Education, DEE, Office, NAU, Navsari	**5.** Check the possibility of Potato cultivation in the Dangs district with the help of horticulture department of Dangs.	**5.** OFT conducted about check the possibility of Potato cultivation in the Dangs district with the help of horticulture department of Dangs.
	Mr. Bhushan Bhamare, Agribusiness specialist, Agakhan, Ahwa, Dangs		
	Smt. Nitaben B. Patel, Chair person of Mahalaxmi sakhimandal, Waghai, Dangs		
	Mr. Maganbhai K. Gaykawad, Progressive Farmer, Chichond, Ta. Waghai, Dangs	**6.** Increase awareness about Dragon fruit.	**6.** Conducted the demonstration at KVK, Waghai at Rajendrapur farm.
	Mr. Govindbhai B.Macchi, Progressive Farmer, Uga-Chichpada, Ta. Waghai, Dangs		
	Mr. Shravanbhai S. Gain, Chair person of Lotus Mandali, Nanapada, Ta. Waghai, Dangs	**7.** Remove the Assistant Director (Soil Conservation), GLDC, Ahwa, Dangs from the list of SAC members SAC meeting of KVK, Waghai, Dangs.	**7.** Suggestion incorporated and We had included new member that is Area manager of Aga Khan Rural Support Programme (India), Dangss.
	Mr. Narendrbhai R. Rahedhar, Project Director, Ambedkar sevadham trust, Ahwa, Dangs		
	Mr. Manoj A. Patel, Branch manager, SBI, Waghai		

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	Agriculture farming system
2	Agri - Horti farming system
3	Agri – Horti -Dairy farming system
4	Agroforestry system

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

S. No.	Agro-climatic Zone(Planning Commission)	Characteristics
1	South Gujarat Heavy Rainfall Zone–I Agro Ecological Situation-I	Dangs district comes under South Gujarat Heavy Rainfall Zone–I Agro Ecological Situation-I having total 172366 ha land. Out of that, 53.74% is occupied with forest and only 33.80% of land comes under cultivation and cultivable fallow. The district is remote forest area and characterized mainly by tribal. The cropping pattern of the district is single rainfed crops. The major crops in kharif are Paddy, Finger millet, Little millet, Sorghum, Black gram etc. Some more information regarding the district is given below.

a)Topography

S. No.	Agro ecological situation	Characteristics
1	Location	73'.29' to 73'.51' longitude and 20'.39' to 21'.50' latitude. An elevation 105 to 1317 mtrs. MSL
2	Agro climatic zone	South Gujarat Heavy Rainfall Zone–I Agro Ecological Situation-I
3	Soil	Laterite, hilly, undulating with slopes of 20 to 40 percent, shallow to medium in depth
4	Rainfall	1800-2000 mm with average rainy days of 85-95
5	Irrigation	18 percent
6	Rivers	Ambica, Khapri, Purna, Gira

2.3 Soil Types

S. No	Soil type	Characteristics	Area in ha
1	Lateritic, hilly, undulating with the slopes of 20 to 40 per cent, light to medium texture soil and others	Shallow to medium in depth, low to moderately fertile, medium to high in slope, normal to slightly acidic pH, moderate temperature because of thick forest cover, area under irrigation (10500 ha)	56,300

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

S. No	Crop	Area (ha)	Production (MT.)	Productivity (qt./ha)
1	Paddy	28370	1208845.7	42.61
2	Nagli	8287	78312.15	9.45
3	Sorghum	62	1116	18.0
4	Maize	408	4284	10.50
5	Pigeon Pea	3472	31248	9.0
6	Black Gram	9123	106556.68	11.68
7	Ground nut	3646	42220.68	11.58
8	Niger	807	7666.5	9.50
9	Soybean	1016	13746.48	13.53
10	Vari	1848	17186.4	9.30
11	vegetables	315	5985	19.0
12	Other cereal	0	0	0.00
13	Other pulses	0	0	0.00
	Kharif Total	**57354**	**1499981.19**	
14	Wheat	35	735	21.0
15	Gram	15780	157800	10.0
16	Sugarcane	380	228000	600
17	Other pulses	597	2388	4.0
	Rabi-Total	**16792**	**388923**	

Source: District agriculture department.

2.5. Weather data (2022)

Month	Normal RF (mm)	Normal Rainy days (number)	Temperature (^{0} C)		Relative Humidity (%)	
			Maximum	Minimum	Maximum	Minimum
January	0.0	0	29.3	12.6	95	57
February	0.0	0	31.6	12.1	84	32
March	0.0	0	37.1	17.0	58	20
April	0.0	0	39.9	20.1	54	27
May	0.0	0	38.2	23.0	68	42
June	116.5	7	35.3	24.0	79	66
July	1574.0	24	29.3	24.6	95	90
August	371.0	20	30.4	24.3	96	87
September	549.0	15	31.4	23.8	97	88
October	103.0	7	33.3	20.7	92	86
November	0.0	0	33.2	14.4	85	83
December	0.0	0	32.8	15.1	92	75
Total	**2714.0**	73				

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

Category	Population (No.)	Production (Per unit)	Productivity (Per unit)
Cattle			
Crossbred	15482	-	2000-2200 lit/cow
Indigenous	58900	-	800 lit/cow
Buffalo	22125	-	1200 lit/buffalo

Sheep	-	-	-
Goats	45658	-	300 lit
Pigs	-	-	-
Crossbred	-	-	-
Indigenous	-	-	-
Rabbits	109	-	-
Hens	32350	-	185 egg/year
Desi	166970		58 egg/year
Category		Production (q.)	Productivity (Per Unit)
Fish (Reservoir)	--	--	--
Fish (Farm ponds)	--	--	--

2.7. Details of Operational area / Villages

Name of Taluka	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
Ahawa	Lahandabash Gundiya Sati	**Cereals:** Paddy, Finger millet, little millet **Pulses:** Gram, Black gram, Pigeon pea **Oilseeds:** Groundnut, Niger **Vegetables:** Okra **Fruit crops:** Mango, Custard apple **Floriculture:** Rose and Marigold **Others:** Tuber crops **Animal Husbandry**	-Use of traditional varieties - Poor quality of seed -Improper use of fertilizers - Lack of awareness about plant protection measures -Scarcity of fodder - Repeat Breeding and Anoestrus Less interest in dairy business	-Promoting Animal husbandry./ horticultural crops - Use of recommended varieties - Promotion of scientific package of practices - Create awareness about plant protection measures - Scientific feeding management - Artificial Insemination - Awareness about dairy enterprise
Subir	Sajupada Bardipada Dhuldha			
Waghai	Zavada Vankan Chichond Bhadarpada			

2.8. Priority thrust areas:

3. TECHNICAL ACHIEVEMENTS

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

OFT				FLD			
1				2			
Number of OFTs		Number of farmers		Number of FLDs		Number of farmers	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
09	09	74	74	17	26	330	789

Training				Extension Programmes			
3				4			
Number of Courses		Number of Participants		Number of Programmes		Number of participants	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
63	119	1715	4559	311	640	12527	79696

Seed Production (Qtl.)		Planting materials (Nos.)	
5		6	
Target	Achievement	Target	Achievement
72	92.89	0	5940

Livestock, poultry strains and fingerlings (No.)		Bio-products (Kg)	
7		8	
Target	Achievement	Target	Achievement
0	0	0	0

3.1. B. Operational areas details during 2022

Sr.No.	Major crops & enterprises being practiced in cluster villages	Prioritized problems in these crops/ enterprise	Extent of area (Ha/No.) affected by the problem in the district		Names of Cluster Villages identified for intervention	Intervention (OFT, FLD, Training, extension activity *etc.*)*
			Crop	**Area (ha)**		
1.	**Cereals:**	-Use of traditional varieties	Paddy	148	Lahandabash	On campus training, Off campus training, Sponsored training, Vocational training, In-service training, Lecture delivered, Field visit, FLD visit, OFT visit, Scientist visit to farmer field, Farmer visit to KVK, Diagnostic visit, Exposure visit, KisanGosthi, Animal camps, Field day, Farmer fair, Farmer scientist interaction, Farmers meeting, TV-Film show, Exhibition, Farm School, Soil health campaign, Celebration of importance day, SwachataJagruti, Soil sample analyzed, Plant health clinic diagnostic services, SMS portal, Telephone helpline
2.	Paddy, Finger millet, little millet	- Poor quality of seed	Finger millet	85	Gundiya	
3.	**Pulses:**	-Lack of awareness related with organic crop package & practices	Vari	76	Sati	
4.	Gram, Black gram, Tur	- Lack of awareness about plant protection measures	Sorghum	17	Sajupada	
5.	**Oilseeds:** Groundnut, Niger	-Scarcity of fodder	Maize	11	Bardipada	
6.	**Vegetables:** Okra, Brinjal	- Repeat Breeding &Anoestrus	Black Gram	16	Dhuldha	
7.	**Fruit crops:** Mango, Cashew nut, Custard apple	- Less interest in dairy business	Pigeon Pea	22	Zavada	
8.	**Floriculture:** Rose and Marigold		Soybean	16	Vankan	
9.	**Others:**		Ground nut	6	Chichond	
10	Tuber crops		***Kharif Total***	**397**	Bhadarpada	
11.	**Animal Husbandry**		Gram	41		
12.			Wheat	11		
13.			Okra	13		
14.			Brinjal	11		
15.			Mango	22		
16.			Cashew nut	7		
			Rabi-Total	**105**		

* Support with problem-cause and interventions diagram

3.2. Technology Assessment (Kharif 2022, Rabi 2021-22, Summer 2022)

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 Management										
Varietal Evaluation	1		1		2				1	5
Integrated Pest Management					2					2
Integrated Crop Management			1							1
Integrated Disease Management										
Small Scale Income Generation Enterprises										
Weed Management										
Resource Conservation Technology										
Farm Machineries										

Integrated Farming System										
Seed / Plant production										
Value addition										
Drudgery Reduction										
Storage Technique										
Mushroom cultivation										
Total	1		2		4				1	**8**

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

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

B. Achievements on technologies Assessed

B.1. Technologies Assessed under various Crops

Thematic areas	Crop	Name of the technology assessed	No. of trials	Number of farmers	Area in ha (Per trial covering all the Technological Options)
Integrated Nutrient Management					
Varietal Evaluation	Finger millet	Varietal assessment of finger millet	10	10	3.0
	Chickpea	Varietal assessment of chickpea	10	10	3.0
	Tomato	Varietal assessment of Tomato in the Dangs (Assessment)	10	10	0.6
	Potato	Varietal assessment of Potato in the dangs district	10	10	0.6
	Indian bean	Varietal assessment of Indian bean in the Dangs district	06	06	1.8
Integrated Pest Management	Okra	Management of Fruit & Shoot borer of Okra	06	06	3.6
	Brinjal	Assessment of pheromone trap technology for the management of leucinodes orbonails in Brinjal	06	06	3.6
Integrated Crop Management	Pigeon pea	Spacing management in pigeon pea	10	10	1.0

Integrated Disease Management					
Small Scale Income Generation Enterprises					
Weed Management					
Resource Conservation Technology					
Farm Machineries					
Integrated Farming System					
Seed / Plant production					
Value addition					
Drudgery Reduction					
Storage Technique					
Mushroom cultivation					
Total					

B.2. Technologies assessed under Livestock & fishery assessment

Thematic areas	Name of the livestock enterprise	Name of the technology assessed	No. of trials	No. of farmers
Evaluation of breeds				
Health Management				
Dairy Management				
Nutrition management	Crossbred cattle	Use of Chelated minerals in the diet of crossbred HF cows	10	10
Disease management				
Feed and fodder management				
Processing &Value addition				
Production and management				
Composting fish culture				
Small scale income generating enterprises				
Fish production				
Other				
Total				

B.3 Technologies assessed under other enterprises

Name of Enterprises	Name of the technology assessed	No. of trials	No. of farmers
Mushroom	-	-	-
Apiary	-	-	-
Vermicompost	-	-	-
Tailoring	-	-	-
Nutrition Garden	-	-	-
Nursery Management	-	-	-
Production and Management	-	-	-
Eentrepreneurship development	-	-	-
Engegy consrvation	-	-	-
storage techniques	-	-	-
House hold food security	-	-	-
organic farming	-	-	-
mechanization	-	-	-
Bee keeping	-	-	-
Seed production	-	-	-
post-harvest management	-	-	-
other	-	-	-

B 4.Technologies assessed under Women empowerment assessment

Name of Enterprises	Name of the technology assessed	No. of trials	No. of farmers
Drudgery Reduction	-	-	-
Entrepreneurship development	-	-	-
Health and Nutrition	-	-	-
value addition	-	-	-
Kitchen gardening	-	-	-
nutrition security	-	-	-
other	-	-	-

C. 1. Results of Technologies Assessed
Results of On Farm Trial

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Pigeon pea	Rain fed	Low yield of pigeon pea	Spacing management in pigeon pea	10	T_1 : Farmers Practices (Random sowing) T_2 : 45 x 15 cm T_3 : 60 x 20 cm	Yield (q/ha)	**1st year :** T_1:9.13 qt T_2:10.56 qt T_3 : 11.82 qt **2nd year:** T_1:9.47 qt T_2:10.97 qt T_3 :12.10 qt **3rd year:** T_1:9.42 qt T_2:12.09 qt T_3 :12.96 qt	Treatment T_3 (60 x 20 cm) was better than T_1 (Broadcasting)	More weed infestation found in T_1 which ultimately reduce yield	No	NA
Finger millet	Rain fed	Low yield of finger millet Low yield of finger	Varietal assessment of finger millet	10	T_1 : Farmers Practices (Local varieties) T_2 : GNN 8 T_3 : CFMV 2 (Gira)	Yield (q/ha)	**1st year :** T_1:10.50 qt T_2:11.95 qt T_3 : 13.66 qt	Treatment T_3 CFMV 2 (Gira)was better than T_1 (Local varieties)	More number of finger and higher yield than local variety	No	NA
Chickpea	Irrigated	Low yield of Local variety	Varietal assessment of chickpea	10	T_1: Farmer variety (Local Varieties) T_2: GG 5 T_3: GJG 6	Yield (q/ha)	Not conducted due to lack of grant	-	-	No	NA
Tomato	Irrigated	Low yield of Farmers adopted hybrid variety	Varietal assessment of Tomato in the Dangs	10	T_1: Farmers practices (Hybrid variety-*Vaishali*) T_2: Gujarat Tomato-7 T_3: Arka Rakshak	Yield (q/ha)	**1st year :** T_1 :308 qt T_2:224 qt T_3: 467 qt **2nd year:** T_1:298 qt T_2:200 qt T_3 :455 qt **3rd year:** T_1:302.00 qt T_2:188.00 qt T_3 :458.00 qt	T_3 treatment is best among T_1 and T_2	Arka rakshak gave higher yield than private company variety	No	NA
Potato	Irrigated	Varietal assessment of Potato in the dangs district	Varietal assessment of Potato in the dangs district	06	T1: Farmers practices (Gram) T2: Potato crop (Kufri Badshah)	Yield (q/ha)	**1st year :** T_1 :10.83 qt T_2:139.50 qt **2nd year:** Not conducted due to lack of grant	T2: Potato crop(Kufri Badshah) better than T1: Farmers practices (Gram)	Kufri badshah variety gave higers yield than local variety.	No	NA

Indian bean	Irrigated	Popularize new variety of Indian bean	Varietal assessment of Indian bean in the Dangs district	06	T_1: Farmers practices (Katargam) T_2: GNIB 21 (2014) T_3: GNIB 22 (2017)	Yield (q/ha)	Not conducted due to lack of grant	-	-	No	NA
Okra	Irrigated	Low yield of Okra & High mortality due to Pest damage	Assessment of management of Fruit & Shoot borer in Okra	06	T1: Farmers practice T2: Installation of Pheromone trap T3 : Spray Azadirachtin (Neem oil based) 300ppm/1500 ppm	Yield (q/ha)	**1st year :** T_1 :81.16 qt T_2:99.5 qt T_3: 107.00 qt **2nd year:** Not conducted due to lack of grant	T_3 treatment is best among T_1 and T_2	Installation of pheromones trap in okra showing good result again Fruit and shoot borer	No	NA
Brinjal	Irrigated	Low yield of Bringle & High mortalit	Assessment of pheromone trap for the management of fruit & shoot borer in Brinjal	06	T_1 : Farmers Practices T_2 : Installation of pheromone traps @ 40 traps/ha (AAU,Anand) T_3 : Remove the infected shoot and fruit + Installed pheromone traps @ 12/ha (TNAU,TN)	Yield (q/ha)	Not conducted due to lack of grant	-	-	No	NA

Cross bred cattle	NA	Low milk production due to mineral imbalance & parasitic infestation	Use of Chelated minerals in the diet of crossbred HF cows	10	T 1- Farmer's practice – feeding of locally available feeds and fodders T 2- T1 + Chelated minerals @ 30 gm/cow/day for 120 days T3- T1 + Chelated minerals @ 30 gm/cow/day for 120 days + Bol. Fenbendazol @ 5-7.5 / kg body weight	Weight of calf (Kg/calf)	**1st year :** T_1 :3.69 T_2:4.53 T_3: 5.43 **2nd year:** Not conducted due to lack of grant	T_3best amonga T_1 and T_2	Feeding of Mineral mixture along with deworming resulted in Increse milk production. T_3best amonga T_1 and T_2	No	NA

Contd..

Technology Assessed	**Source of Technology**	**Production**	**Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)**	**Net Return (Profit) in Rs. / unit**	**B:C Ratio**
13	14	15	16	17	18
T1 : Farmers Practices (Random sowing) T2 : 45 x 15 cm T3 : 60 x 20 cm	NAU, Navsari 2016	**1st year :** T_1:9.13 Qt T_2:10.56 Qt T_3 : 11.82 Qt **2nd year:** T_1:9.47 Qt T_2:10.97 Qt T_3 :12.10 Qt **3rd year:** T_1:9.42 Qt T_2:12.09 Qt T_3 :12.96 Qt	qt /ha	**1st year :** T_1: 16520 T_2: 22240 T_3 :27280 **2nd year:** T_1: 37880 T_2: 43880 T_3: 48400 **3rd year:** T_1:17680 T_2:28360 T_3 :31840	**1st year :** T_1: 1.83 T_2: 2.11 T_3 :2.36 **2nd year:** T_1: 1.89 T_2: 2.19 T_3: 2.42 **3rd year:** T_1:1.88 T_2:2.42 T_3 :2.59
T_1 : Farmers Practices (Local varieties) T_2 : GNN 8 T_3 : CFMV 2 (Gira)	Hill Millet Research Station, NAU, Waghai	**1st year :** T_1:10.50 Qt T_2:11.95 Qt T_3 : 13.66 Qt	qt /ha	**1st year :** T_1:19400 T_2:21460 T_3 : 26248	**1st year :** T_1:2.94 T_2:2.79 T_3 : 3.19
T_1: Farmer variety (Local Varieties) T_2: GG 5 T_3: GJG 6	Pulse Research Station, JAU, Junagadh	Not conducted due to lack of grant	qt /ha	Not conducted due to lack of grant	Not conducted due to lack of grant

Technology Assessed	Source of Technology	Production	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net Return (Profit) in Rs. / unit	B:C Ratio
T_1: Farmers practices (Hybrid variety-Vaishali) T_2: Gujarat Tomato-7 T_3: Arka Rakshak	Navsari Agricultural University, Navsari (2017-18) ICAR-IIHR, Bangalore, (2013)	**1st year :** T_1 :308 qt T_2:224 qt T_3: 467 qt **2nd year:** T_1:298 qt T_2:200 qt T_3 :455 qt **3rd year:** T_1:302 qt T_2:188 qt T_3 :458 qt	qt /ha	**1st year :** T_1 :102600 T_2: 62300 T_3: 210100 **2nd year:** T_1: 66800 T_2: 28150 T_3: 156800 **3rd year:** T_1:67700 T_2:21050 T_3 :158000	**1st year :** T_1 :2.24 T_2: 1.86 T_3: 3.99 **2nd year:** T_1: 1.81 T_2: 1.38 T_3: 3.23 **3rd year:** T_1:1.81 T_2:1.28 T_3 :3.24
T1: Farmers practices (Gram) T2: Potato crop (Kufri Badshah)	Central Potato Research station , Kufrim Himachal Pradesh (1980)	**1st year :** T_1 :10.83 qt T_2:139.50 qt **2nd year:** Not conducted due to lack of grant	qt /ha	**1st year :** T_1 :49833.33 T_2:116416.67 **2nd year:** Not conducted due to lack of grant	**1st year :** T_1 :2.91 T_2:2.55 **2nd year:** Not conducted due to lack of grant
T_1: Farmers practices (Katargam) T_2: GNIB 21 (2014) T_3: GNIB 22 (2017)	Navsari Agricultural University, Navsari (2016-17)	Not conducted due to lack of grant	qt /ha	Not conducted due to lack of grant	Not conducted due to lack of grant
T1: Farmers practice T2: Installation of Pheromone trap T3 : Spray Azadirachtin (Neem oil based) 300ppm/1500 ppm	Navsari Agricultural University, Navsari (2011-12)	**1st year :** T_1 :81.16 qt T_2:99.5 qt T_3: 107.00 qt **2nd year:** Not conducted due to lack of grant	qt /ha	**1st year :** T_1 :85366.7 T_2:114200 T_3: 126200 **2nd year:** Not conducted due to lack of grant	**1st year :** T_1 :2.91 T_2:3.5 T_3: 3.8 **2nd year:** Not conducted due to lack of grant
T_1 : Farmers Practices T_2 : Installation of pheromone traps @ 40 traps/ha (AAU,Anand) T_3 : Remove the infected shoot and fruit + Installed pheromone traps @ 12/ha (TNAU,TN)	AAU, Anand & TNAU,TN	Not conducted due to lack of grant	qt /ha	Not conducted due to lack of grant	Not conducted due to lack of grant
T 1- Farmer's practice – feeding of locally available feeds and fodders T 2- T1 + Chelated minerals @ 30 gm/cow/day for 120 days T3- T1 + Chelated minerals @ 30 gm/cow/day for 120 days + Bol. Fenbendazol @ 5-7.5 / kg body weight	NDRI, karnal	**1st year :** T_1 :3.69 T_2:4.53 T_3: 5.43 **2nd year:** Not conducted due to lack of grant	lit/day	**1st year :** T_1 :1000 T_2:1700 T_3: 2000 **2nd year:** Not conducted due to lack of grant	**1st year :** T_1 :1.5 T_2:1.7 T_3: 1.8 **2nd year:** Not conducted due to lack of grant

C. 2. Details of each On Farm Trial for assessment to be furnished in the following format separately as per the following details:

OFT: 1

Title: Spacing management in pigeon pea

Problem Definition: In Dangs district, productivity of pigeon pea is low because of improper cultivation of land and random sowing method followed by farmers. Due to this severe wilt problem in seedlings and weed problems which ultimately affect the growth and yield of pigeon pea. Pigeon pea requires well cultivated land and specific spacing for its growth and development. Improper cultivation with random sowing reduces the plant population and ultimately it's reducing the crop yield.

Details of technologies selected for assessment:
Treatment:

T_1: Farmers Practices (Random sowing)
T_2: 45 x 15 cm
T_3: 60 x 20 cm

Input: Seed, Novel organic fertilizer, *Rhizobium*

Source of technology: Pulse Research Station, NAU, Navsari (2016)

Production system and thematic area: Rainfed & ICM

Performance of the technology with performance indicators:

Sr. No.	Year	No of trial	Area (ha)	Yield(q/ha)		
				T_1 Farmer practices (Random sowing)	T_2 45 x 15 cm (Recommended)	T_3 60 x 20 cm (Recommended)
1.	2019-20	10	1	9.13	10.56	11.82
2.	2020-21	10	1	9.47	10.97	12.10
3.	2021-22	10	1	9.42	12.09	12.96

Farmers Feedback, matrix scoring of various technology parameters done through farmer's participation/ other scoring techniques:

Farmers Feedback

1. Farmers are impressed by recommended practices.
2. It is easy for farmers to remove weed in 60 cm x 20 cm sowing of pigeon pea rather than farmer practices.
3. Higher yield in recommended practices due to easy weeding and less competition of nutrients and fertilizer between plants.

Final recommendation for micro level situation:

On the basis of the study carried out for three years it is summarized that T_3 – recorded the highest yield in comparison to T_1, However yield with T_3 was comparatively higher than T_1. So it is concluded that T_3: (60 x 20 cm) proved the best line spacing in tribal area of Dangs.

Constraints identified and feedback for research: Nil

Process of farmer's participation and their reaction:

1. Field day, method demonstration, OFT visit *etc.*
2. Farmers are ready to adopt this technology

OFT: 2

Title: Varietal assessment of finger millet

Problem Definition: Finger millet is a main staple food for tribal farmers of Dang district and also it emerging as a important nutritive cereal crop due to its high nutrient content. In Dang district, finger millet is normally grown on poor and marginal soils with local varieties. Finger millet requires healthy seedlings of high yielding varieties. Most of the farmers use local varieties of finger millet which reduce the number of productive tillers, small seeded less finger and susceptible to pest and diseases, so ultimately its reduce the crop yield.

Details of technologies selected for assessment:

Treatment:

T_1 : Farmers Practices (Local varieties)

T_2 : GNN 8

T_3 : CFMV 2 (Gira)

Input: Seed, Novel organic fertilizer, PSB and *Azotobacter*

Source of technology: Hill Millet Research Station, NAU, Waghai

Production system and thematic area: Rainfed & ICM

Performance of the technology with performance indicators:

Sr. No.	Year	No of trial	Area (ha)	Yield(q/ha)		
				Farmers Practices (Local varieties)	GNN 8	CFMV 2 (Gira)
1.	2021-22	10	1	10.50	11.95	13.66

Farmers Feedback, matrix scoring of various technology parameters done through farmer's participation/ other scoring techniques:

Farmers Feedback

1.

Final recommendation for micro level situation: Treatment T_3 CFMV 2 (Gira)was better than T_1 (Local varieties)

Constraints identified and feedback for research: Nil

Process of farmer's participation and their reaction:

1. Field day, Method demonstration, OFT visit *etc.*
2. Farmers are ready to adopt this technology

OFT: 3

Title: Varietal assessment of chickpea

Problem Definition: In dang district, productivity of chickpea is low because of improper cultivation of land and use of local varieties by farmers. Due to this severe wilt problem in local varieties which ultimately affect the growth and yield of chickpea. Chickpea required wilt resistance and high yielding variety for its better growth and development. Improper cultivation with local varieties reduce the plant population and ultimately it's reduce the crop yield.

Details of technologies selected for assessment:
Treatment:
T_1: Farmer variety (Local Varieties)
T_2: GG 5
T_3: GJG 6
Input: Seed, Novel organic fertilizer, *Rhizobium* and PSB
Source of technology: Pulse Research Station, JAU, Junagadh
Production system and thematic area: Irrigation & ICM

Performance of the technology with performance indicators:

Sr. No.	Year	No of trial	Area (ha)	Yield(q/ha)		
				Farmers Practices (Local varieties)	GG 5	GJG 6
1.	2021-22	10	1	Not conducted due to lack of grant		

Farmers Feedback, matrix scoring of various technology parameters done through farmer's participation/ other scoring techniques:

Farmers Feedback
1.

Final recommendation for micro level situation:

Constraints identified and feedback for research: Nil

Process of farmer's participation and their reaction:
1. Field day, Method demonstration, OFT visit *etc.*
2. Farmers are ready to adopt this technology

OFT: 4

Title: **Varietal assessment of Tomato in the Dangs**

Problem definition: Low yield of Farmers adopted hybrid variety (due to lack of knowledge about proper scientific cultivation method)

Details of Technologies selected for assessment: In the Dangs district, mostly hybrid variety of tomato (private company) is grown with low yield potential due to lack of knowledge about proper seedling preparation and lack of knowledge about new released variety of State Agricultural Universities and Government Institutions. Tomato variety GT-7 (280.0 q/ha) performed well under South, Middle and North Gujarat regions. This variety showed less damage by fruit borer, whitefly as well as leaf miner. Tomato variety "Arka Rakshak" is a First F1 hybrid with triple disease resistance to Tomato Leaf Curl Virus, Bacterial Wilt and Early blight. Fruits square round, large (90-100g), deep red colored and firm. Suitable for fresh market and processing. So OFT has been framed for comparing farmer adopted private company variety to "GT 7" and "Arka Rakshak" variety.

Treatment:

T_1: Farmers practices (Hybrid varietie-vaishali)
T_2: Gujarat Tomato 7
T_3: Arka Rakshak

Source of Technology: IIHR , Banglore and Navsari Agricultural University, Navsari

Production system and thematic area: irrigated & varietal Assessment

Performance of the Technology with performance indicators:

Sr. No.	Year	No of trial	Area (ha)	Yield (q/ha)		
				T_1: Farmers practices (Hybrid varietie-vaishali)	**T_2: Gujarat Tomato 7**	**T_3: Arka Rakshak**
1.	2019-20	10	0.6	308.00	224.00	467.00
2.	2020-21	10	0.6	298.00	200.00	455.00
3.	2021-22	10	0.6	302.00	188.00	456.00

Feedback, matrix scoring of various technology parameters done through farmer's participation/ other scoring Technique: - Arka rakshak gave higher yield than farmer's practices
Final recommendation for micro level situation: On the basis of average data, treatment T_3 (Arka Rakshak) gave 455 Q/ha yield as compared with T_1 i.e. farmer practices (298.00 Q/ha) with net return (Rs. 156800) having 3.23 BC Ratio. (Note : An observation could not be possibal on farmers field)

Constrains identified and feedback for research: Water scarcity

Process of farmer's participation and their action:

1. Field day, Method demonstration, OFT visit *etc.*
2. Farmers are ready to adopt this technology

OFT: 5

Title: Varietal assessment of Potato in the dangs district

Problem definition: Possibilities of Potato cultivation in The Dangs district

Details of Technologies selected for assessment: In Dang district, chickpea is commonly grown in winter crops. Considering the soil of Dang district and as per the suggestion of Scientific Advisory Committee, it is possible to cultivate potato in Dangs district. This on-farm trial is designed to test potato cultivation in the Dangs district. According to the agriculture department of Dangs district, the chickpea crop in Dangs district yields about 2.5 quintals. The estimated production of potato(Var. Kufri badshah) is 50 tons per hectare

Treatment: T1: Farmers practices (Gram)
T2: Potato crop(Kufri Badshah)

Source of Technology: Central Potato Research station , Kufrim Himachal Pradesh (1980)

Production system and thematic area: irrigated & varietal Assessment

Performance of the Technology with performance indicators:

Sr. No.	Year	No of trial	Area (ha)	Yield (q/ha)	
				T1: Farmers practices (Gram)	T2: Potato crop(Kufri Badshah)
1.	2021	06	0.2	10.83	139.50
2.	2022	06	0.2	**Input not given due to the lack of grant.**	

Feedback, matrix scoring of various technology parameters done through farmer's participation/ other scoring Technique:
Final recommendation for micro level situation:

OFT: 6

Title: Varietal assessment of Indian bean in the Dangs district

Problem definition: Popularize new variety of Indian bean

Details of Technologies selected for assessment: In the Dangs district, mostly Desi (Katargam) and other indeterminate variety of Indian bean is grown with low yield potential due to lack of knowledge about proper scientific cultivation and lack of knowledge about new released variety of State Agricultural Universities and Government Institutions.

GNIB 22 (>30.00 Q/ha) performed well under South Gujarat regions. This variety is Extra early, determinate,erect and dwarf plant type suitable as intercrop inSugarcane, pigeon pea.

GNIB 22 (>40.00 Q/ha) performed well under South Gujarat regions. This variety is The variety is early, determinate and erect type with good market & cooking quality and yield, hence it is highly acceptable to the farmers and consumers. Its green pod fetches similar price to that of surti papadi.

OFT has been framed for comparing farmer adopted Desi (Katargam)variety to "GNIB-21" and "GNIB 22" variety.

Treatment: T1: Farmers practices (Katargam)
T2: GNIB 21 (2014)
T3: GNIB 22 (2017)

Source of Technology: Navsari Agricultural University, Navsari (2016-17)

Production system and thematic area: irrigated & varietal Assessment

Performance of the Technology with performance indicators:

Sr. No.	Year	No of trial	Area (ha)	Yield (q/ha)		
				T1: Farmers practices (Katargam)	T2: GNIB 21 (2014)	T3: GNIB 22 (2017)
2.	2022	06	0.2	**Input not given due to the lack of grant.**		

Feedback, matrix scoring of various technology parameters done through farmer's participation/ other scoring Technique:
Final recommendation for micro level situation:

OFT: 7

Title: **Assessment of management of Fruit & Shoot borer in Okra**

Problem definition: Low yield of Okra & High mortality due to Pest damage

Details of Technologies selected for assessment: Okra (*Abelmoschus esculentus*) is a vegetable crop widely grown during *Kharif / Rabi* season in Dangs district. Day by day increasing the area of Okra in this district gives comaparatively lower yield. Large number of hybrid available in the market but cost of seeds as well as higher incidence of pest affect yield. Assessment of such public variety in Dangs district for best performance for growth, yield and quality character for avoid these problem OFT is taken.

Treatment: T_1: Farmers practice

T_2: Installation of Pheromone trap

T_3 : Spray Azadirachtin (Neem oil based) 300ppm/1500 ppm

Source of Technology: NAU, Navsari (2001)

Production system and thematic area: Integrated disease management

Performance of the Technology with performance indicators:

Sr. No.	Year	No of trial	Area (ha)	Yield (q/ha)		
				T_1: Farmers practice	T_2: Installation of heromone trap	T_3 : Spray Azadirachtin (Neem oil based) 300ppm/1500 ppm
1.	2021	06	3.6	81.16	99.5	107.00
2.	2022	06	3.6	**Input not given due to the lack of grant.**		

Feedback, matrix scoring of various technology parameters done through farmer's participation/ other scoring Technique:
Final recommendation for micro level situation:

OFT: 8

Title: **Assessment of pheromone trap for the management of fruit & shoot borer in Brinjal**

Problem definition: Low yield of Bringle & High mortalit

Details of Technologies selected for assessment: Bringal is one of the most common vegetables grown in dang district. Immature fruits are used in curries and a variety of dishes are prepared out of bringal fruits are moderate source of vitamins and minerals like phosphorus, calcium and iron and nutrition value. Bringal is infected by fruit & shoot borer. Occasional out brack of this disease causing losses to farmer.

Treatment: T_1 : Farmers Practices

T_2 : Installation of pheromone traps @ 40 traps/ha (AAU,Anand)

T_3 : Remove the infected shoot and fruit + Installed pheromone traps @ 12/ha (TNAU,TN)

Source of Technology: AAU, Anand & TNAU, TN

Production system and thematic area: Integrated disease management

Performance of the Technology with performance indicators:

Sr. No.	Year	No of trial	Area (ha)	Yield (q/ha)		
				T_1: Farmers practice	T_2: Installation of heromone trap	T_3 : Spray Azadirachtin (Neem oil based) 300ppm/1500 ppm
1.	2022	06	3.6	**Not conducted due to lack of grant.**		

Feedback, matrix scoring of various technology parameters done through farmer's participation/ other scoring Technique:

Final recommendation for micro level situation:

OFT: 9

Title: **Use of Chelated minerals in the diet of crossbred HF cows**

Problem definition: Low milk production due to mineral imbalance & parasitic infestation

Details of Technologies selected for assessment: Parasitic load and mineral imbalance are known to directly affect the milk production to cattle. The Dangs district is a hilly area with heavy rainfall. Animal lining in such area became prone to parasitic infection due to ingestion of infected grasses around stagnant water while grazing. A few years ago, people were using local breeds & traditional husbandry practices, but now a days they are rearing crossbred cows. These valuable animals are highly productive but due to particular geographical location such animals become infected with parasites which directly affects the milk production.

Moreover, in spite of high rain, there is water 29carcity during summer season due to particular geographical condition. So, green fodder is not available during summer, hence these animals undergo mineral imbalance & improper feeding. The socio- economic status of frames is not very good so, they could not feed their animals with mineral supplements. Such animals undergo negative energy balance due to malnutrition & high milk yield whatever the green grass these animals are grazing is surrounded by stagnant water & hence become infected by parasites. So, to overcome these problems of parasitic infestation & mineral imbalance we have identified following problems in proposed on farm testing programme.

Treatment: T 1- Farmer's practice – feeding of locally available feeds and fodders

T 2- T1 + Chelated minerals @ 30 gm/cow/day for 120 days

T3- T1 + Chelated minerals @ 30 gm/cow/day for 120 days + Bol. Fenbendazol @ 5-7.5 / kg body weight

Source of Technology: NDRI, karnal

Production system and thematic area: Feeding management

Performance of the Technology with performance indicators:

Sr. No.	Year	No of trial	Area (ha)	Yield (lit/day)		
				T 1- Farmer's practice – feeding of locally available feeds and fodders	T 2- T1 + Chelated minerals @ 30 gm/cow/day for 120 days	T3- T1 + Chelated minerals @ 30 gm/cow/day for 120 days + Bol. Fenbendazol @ 5-7.5 / kg body weight
1.	2021	10	10	3.69	4.53	5.43
2.	2022	10	10	**Not conducted due to lack of grant.**		

Feedback, matrix scoring of various technology parameters done through farmer's participation/ other scoring Technique:

Final recommendation for micro level situation:

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 2022 and recommended for large scale adoption in the district

S. No	Crop/ Enterprise	Thematic Area*	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
					No. of villages	No. of farmers	Area in ha
1	Pigeon pea	ICM	GT 105	FLD, Training, Field Days, Farmers meeting, Exposure visit to KVK farm, Mass media	1	25	5
2	Gram	ICM	GG 5		5	25	5
3	Paddy	ICM	GR 17		3	25	5
4	Finger millet	ICM	GNN 6		3	25	5
5	Little millet	ICM	GV 3		7	25	5
6	Nutri cereal crop (Little millet)	INM	-		1	10	1
7	Indian bean	ICM	GNIB		2	25	2.5
8	Aloevera	ICM	INGR 13043		1	10	0.1
9	Mango	ICM	Kesar		1	20	1.0
10	Gram	IDM	Trichoderma		3	25	5
11	Cucurbitacious	IPM	Cue Lure trap		4	20	2
12	Okara	IPM	Pheromone trap & Yellow sticky trap		2	25	5
13	Paddy	IPM	Pheromone trap		1	25	5

B. Details of FLDs implemented during 2022(Kharif 2022, Rabi 2021-22, Summer 2022) (Information is to be furnished in the following three tables for each category i.e. cereals, horticultural crops, oilseeds, pulses, cotton and commercial crops.)

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
Pulse crops										
1.	Pigeon pea	ICM	New variety	Rabi 2021-22	5	5	25	0	25	-
2.	Gram	ICM	New variety	Rabi 2021-22	5	5	25	0	25	-
Other crops										
3.	Finger millet	ICM	New variety	*Kharif* 2022	5	5	25	0	25	-
4.	Little millet	ICM	New variety	*Kharif* 2022	5	5	25	0	25	-
5.	Paddy	ICM	New variety	*Kharif* 2022	5	5	25	0	25	-

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
Horticultural pulse crops (2022)										
6.	French bean	ICM	New variety	*Kharif* 2022	0.5	0.5	5	0	5	-
7.	French bean	ICM	New variety	*Kharif* 2022	0.5	0.5	5	0	5	-
Horticultural other crops (2022)										
8.	Okra	INM	New variety	*Kharif* 2022	5	5	25	0	25	-
9.	Bittergourd	INM	New variety	*Kharif* 2022	5	5	25	0	25	-
Plant Protection (2022)										
10.	Pigeon pea	IPM	Pheromone trap	Rabi 2022	5	5	25	0	25	-
11.	Gram	IDM	*Trichoderma*	*Kharif* 2022	5	5	25	0	25	-
12.	Bittergourd crop	IPM	Cue Lure trap	*Kharif* 2022	2	2	20	0	20	-
13.	Mango	IPM	Fruit fly trap	*Kharif* 2022	5	5	25	0	25	-
14.	Paddy	IPM	Yellow sticky trap & Pheromone trap	Rabi 2022	5	5	25	0	25	-
15.	Finger millet	IDM	Pseudomonas	Rabi 2022	5	5	25	0	25	-
16.	Paddy	IPM	Pheromone trap (Stem borer)	Rabi 2022	5	5	25	0	25	-
Livestock										
17.	Sorghum	Fodder management	Introduction of new variety of Fodder Sorghum " CSV 21 F"	Rabi 2022	20 No. of Unit	20 No. of Unit	20	0	20	-
18.	Mineral mixture	Nutrition management	Mineral mixture	Rabi 2022	30 No. of Unit	30 No. of Unit	30	0	30	-
19.	Mineral mixture	Nutrition management	Mineral mixture	Rabi 2022	50 No. of Unit	50 No. of Unit	50	0	50	-
FLD on Other Enterprise										
20.	Plant Protection	Mushroom production	Oyster musroom cultivation	Rabi 2022	38 No. of Unit	38 No. of Unit	38	0	38	-
21.	Home science	Kitchen garden	Orgenic kitchen garden	Rabi 2022	100 No. of Unit	100 No. of Unit	100	0	100	-
FLDs under other schemes (Other than KVK-ICAR Budget-TSP, Adaptive trial, (Rabi, Summer-2022)										
Pulse crops										
22.	Green gram (TSP)	ICM	New variety	*Kharif* 2022	10	10	50	0	50	-
23.	Gram (Adaptive)	ICM	New variety	*Kharif* 2022	8	8	40	0	40	-
Other crops										

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
24.	Paddy (ICAR-NCEP)	ICM	New variety	*Kharif* 2022	2	2	10	0	10	-
25.	Paddy (Adaptive trial)	ICM	New variety	*Kharif* 2022	85	85	85	0	85	-
Horticultural crops										
26.	Indian bean	ICM	New variety	Rabi 2022	1.1	1.1	11	0	11	-

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
Pulse crops											
Pigeon pea	Rabi 2021-22	Rainfed	Lateritic black Hilly	H	M	H	Gram	15-06-2021	01-02-2022	1928	72
Gram	Rabi 2021-22	Rainfed	Lateritic black Hilly	H	M	H	Paddy	05-11-2021	01-03-2022	85.5	03
Other crops											
Finger millet	*Kharif* 2022	Rainfed	Lateritic black Hilly	H	M	H	Gram	27-06-2022	01-11-2022	2633	69
Little millet	*Kharif* 2022	Rainfed	Lateritic black Hilly	H	M	H	Paddy	30-06-2022	01-11-2022	2600.5	67
Paddy	*Kharif* 2022	Rainfed	Lateritic black Hilly	H	M	H	Green gram	14-06-2022	05-10-2022	2616.5	66
Horticultural pulse crops (2022)											
French bean	*Kharif* 2022	Irrigated	Lateritic black Hilly	H	M	H	Paddy	06-09-2021	01-03-2022	665.5	21
French bean	*Kharif*	Irrigated	Lateritic black	H	M	H	Paddy	06-09-2021	01-03-2022	665.5	21

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
	2022		Hilly								
Horticultural other crops (2022)											
Okra	*Kharif* 2022	Irrigated	Lateritic black Hilly	H	M	H	Paddy	08-10-2021	01-03-2022	93.5	04
Bittergourd	*Kharif* 2022	Irrigated	Lateritic black Hilly	H	M	H	Pigeon pea	29-10-2021	01-03-2022	85.5	03
Plant Protection (2022)											
Pigeon pea	Rabi 2022	Rain fed	Lateritic black Hilly	H	M	H	Gram	16-09-2021	03-02-2022	359.5	12
Gram	*Kharif* 2022	Irrigated	Lateritic black Hilly	H	M	H	Pigeon pea	18-10-2021	01-03-2022	85.5	03
Bittergourd crop	*Kharif* 2022	Irrigated	Lateritic black Hilly	H	M	H	Paddy	29-11-2021	05-03-2022	65.5	01
Mango	*Kharif* 2022	Irrigated	Lateritic black Hilly	H	M	H	Mango	-	-	-	-
Paddy	Rabi 2022	Rainfed	Lateritic black Hilly	H	M	H	Paddy	06-07-2022	05-11-2022	2494	62
Finger millet	Rabi 2022	Rain fed	Lateritic black Hilly	H	M	H	Gram	04-07-2022	15-11-2022	2510.5	64
Paddy	Rabi 2022	Rainfed	Lateritic black Hilly	H	M	H	Green gram	08-07-2022	15-11-2022	2487.5	61
Livestock											
Sorghum	Rabi 2022	Rainfed	Lateritic black Hilly	H	M	H	-	30-06-2022	05-11-2022	2600.5	67
FLD on Other Enterprise											
Mushroom production	*Kharif* 2022	Irrigated	Lateritic black Hilly	H	M	H	-	-	-	-	-
Kitchen garden	Rabi 2022	Rainfed	Lateritic black Hilly	H	M	H	-	-	-	-	-

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
FLDs under other schemes (Other than KVK-ICAR Budget-TSP, Adaptive trial, (Rabi, Summer-2022)											
Pulse crops											
Green gram (TSP)	*Kharif* 2022	Irrigated	Lateritic black Hilly	H	M	H	Paddy	10-02-2022	01-05-2022	00	00
Gram (Adaptive)	*Kharif* 2022	Irrigated	Lateritic black Hilly	H	M	H	Pigeon pea	26-10-2021	01-03-2022	85.5	03
Other crops											
Paddy (ICAR-NCEP)	*Kharif* 2022	Irrigated	Lateritic black Hilly	H	M	H	Pigeon pea	03-06-2022	01-11-2022	2714	73
Paddy (Adaptive trial)	*Kharif* 2022	Irrigated	Lateritic black Hilly	H	M	H	Gram	18-06-2022	05-11-2022	2680	71
Horticultural crops											
Indian bean (Adaptive trial)	Rabi 2022	Rainfed	Lateritic black Hilly	H	M	H	Paddy	02-06-2022	05-12-2022	2714	73

Technical Feedback on the demonstrated technologies

Sr. No.	Feed Back
1.	Paddy variety GR 17 gives more trilling than other.
2.	Standardized the preparation method of Jeevamrut, Ghanjeevamrut etc.
3.	Provide Marketing Facility for Product of Natural farming.
4.	Need variety which is resistance to sucking pest in okra (Okra highly effected by sucking pest)
5.	Need good variety from university in okra (farmers mostly grow private hybrid)
6.	To develop nutritional feed for milch animals.
7.	Provide marketing facility particular in Ahwa and Subir block of Dang district.

Farmers' reactions on specific technologies

Sr. No.	Feed Back
1.	Green gram variety GM 6 gave very good yield as compare to local varieties.
2.	Farmers want seeds of indigenous varieties of paddy from university or Bijnigam.
3.	Need some basic recommendation of Natural farming from the university.
4.	Required Govt. sector hybrid variety of Okra and bitter gourd for dang district.
5.	Variety of tomato Arka rakshak gave higher yield than GT 7 variety.
6.	Standardized method of preparation of Agniastra, Neemastra and Dashparni arka.
7.	Sorghum variety can be grow throughout the year as multi cut variety under irrigated conditions which is very useful for manage of green fodder requirement of livestock throughout year.

Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organized	Date	Number of participants	Remarks
1	Field days	02	03-02-2022	12	Nil
2	Farmers Training	64	From different date of year	2003	Nil
3	Media coverage	179	From different date of year	-	Nil
4	Training for extension functionaries	-	-	-	-

C. Performance of Frontline demonstrations

Performance of Frontline demonstrations (*Rabi, Kharif*-2021, Summer-2022)

Frontline demonstration on pulse crops:

Crop	Thematic Area	technology demonstrated	Variety	No. of Farmers	Area (ha)	Yield (q/ha)				% Increase in yield	Economics of demonstration* (Rs./ha)				Economics of check (Rs./ha)			
						Demo			Check		Gross Cost	Gross Return	Net Return	BCR** (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
						High	Low	Average										
Crop Production																		
Pigeon pea	ICM	New variety	GT 105	25	5	14.68	11.15	13.30	10.23	30.01	20000	53200	33200	2.66	18000	40920	22920	2.27
Gram	ICM	New variety	GJG 3	25	5	12.75	11.50	11.89	08.60	38.26	16000	54694	38694	3.42	13800	39500	25760	2.90

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

FLDs on Other crops (*Kharif* 2022):

Category & Crop	Thematic Area	Name of the technology	Variety/ Input	No. of Farmers	Area (ha)	Yield (q/ha)				% Change in Yield	Economics of demonstration* (Rs./ha)				Economics of check (Rs./ha)			
						Demo			Check		Gross Cost	Gross Return	Net Return	BCR** (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
						H	L	Av.										
Crop Production																		
Finger millet	ICM	New variety	GNN 6	25	5	16.50	12.45	14.61	11.12	31.38	12000	43830	31830	3.65	10000	31136	21136	3.11
Little millet	ICM	New variety	GV 3	25	5	14.40	12.20	13.15	9.77	34.60	10000	38135	28135	3.81	8000	24425	16425	3.05
Paddy	ICM	New variety	GR 17	25	5	30.00	26.40	28.41	23.26	22.14	20000	51138	31138	2.56	25000	41868	16868	1.67
Horticultural pulse crops (2022)																		
French bean	ICM	New variety	Arka Komal	10	1.0	140	134	138.3	122.3	13.30	45400	179790	134390	3.96	55700	195680	139980	3.51
French bean	ICM	New variety	Arka Suvidha			135	127	131.8	117.6	12.14	45400	171340	125940	3.78	55700	188160	132460	3.38
Horticultural other crops (2022)																		

Category & Crop	Thematic Area	Name of the technology	Variety/ Input	No. of Farmers	Area (ha)	Yield (q/ha)				% Change in Yield	Economics of demonstration* (Rs./ha)				Economics of check (Rs./ha)			
						Demo			Check		Gross Cost	Gross Return	Net Return	BCR** (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
						H	L	Av.										
Okra	INM	New variety	Novel, Bio fartilizer	25	2.5	111	91	101.56	99.20	2.38	101468	355460	253992	3.50	105660	347200	241540	3.29
Bittergourd	INM	New variety	Novel, Bio fartilizer	25	2.5	83	69	77.68	75.86	2.43	98000	213620	115620	2.18	100592	208615	108615	2.07
Plant Protection (2022)																		
Pigeon pea	IPM	Pheromone trap	Local varieties	25	5	14.3	13.1	13.37	10.16	31.66	20000	53488	33488	2.67	19500	40662.4	21162.4	2.08
Gram	IDM	*Trichoderma*	Local varieties	25	5	10.8	10.2	10.47	9.38	11.62	15000	45046.8	300468	3.03	14000	40368.4	25868.4	2.78
Bittergourd crop	IPM	Cue Lure trap	Hybrid	20	2	87	81	84.65	78.3	8.14	50000	143905	93905	2.87	49500	133110	83610	2.68
Mango	IPM	Fruit fly trap	Local varieties	25	5	60	55	57.48	48.48	18.73	50000	212676	162676	4.2	49500	179376	129876	3.6
Brinjal	IPM	Yellow sticky trap & Pheromone trap	Hybrid	25	5	115	104	108.56	95.68	13.47	35000	108560	73560	3.1	34500	95680	61180	2.77
Fingermillet	IDM	Pseudomonas	Local varieties	25	5	13.3	12.2	12.78	10.10	26.55	12000	38352	26352	3.1	10000	30324	20324	3.03
Paddy	IPM	Pheromone trap (Stem borer)	Hybrid	25	5	25.1	23	24.27	21.59	12.45	27476	43689.6	16231.6	1.59	26346	38872.8	12526.8	1.47

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

FLD on Livestock (Rabi, Summer-2022):

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of Units (Animal/ Poultry/ Birds, etc)	Major parameters lit/cow/day		% change in major parameter	Other parameter		Economics of demonstration* (Rs.)				Economics of check (Rs.)			
					Demo	Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR** (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Dairy cow (KVK regular)																	
1.	Fodder management	Introduction of new variety of Fodder Sorghum " CSV 21 F"	20	20	340 (q/ha)	270 (q/ha)	12.59	--	--	26000	85000	59000	3.2	26000	67500	41500	2.5
2.	Nutrition management	Mineral mixture	30	30	6.4	5.4	18.51	-	-	2300	5200	2900	2.26	2200	4500	2300	2.04
Dairy cow (Adaptive trial)																	
1.	Nutrition management	Mineral mixture	50	50	5.9	5.0	18.0	-	-	5700	9912	4212	1.73	5300	8400	3100	1.58

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

FLD on Other Enterprise: (Kharif, Rabi, Summer-2022):

Category and Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of Units	Yield (Kg)		% change in yield	Economics of demonstration (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	BCR (R/C)
Plant Protection	Mushroom production	Oyster musroom cultivation	38	38	10 Kg/ 1 Kg spawn	-	-	300	1600	1300	5.3
Home science	Kitchen garden	Orgenic kitchen garden	100	100	65 unit	25	160	500	1800	1300	3.6

FLDs under other schemes (Other than KVK-ICAR Budget-TSP, Adaptive trial, (Rabi, Summer-2022):

Category & Crop	Thematic Area	Name of the technology	Variety	No. of Farmers	Area (ha)	Yield (q/ha)				% Change in Yield	Economics of demonstration* (Rs./ha)			
						Demo			Check		Gross Cost	Gross Return	Net Return	BCR** (R/C)
						High	Low	Ave.						
Crop Production														
Oilseed														
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pulse crops														
Green gram (TSP)	ICM	New variety	GM 6	50	10	8.72	7.53	8.07	5.52	46.33	20000	58127	38127	2.91
Gram (Adaptive)	ICM	New variety	GJG 3	40	8	12.75	11.35	11.95	8.60	38.95	16000	54970	38970	3.44
Other crops														
Paddy (ICAR-NCEP)	ICM	New variety	Pusa1850	10	2	31.34	29.06	30.20	24.52	23.16	22000	54360	32360	2.47
Paddy (Adaptive trial)	ICM	New variety	GR 7	85	85	32.95	28.70	31.15	24.25	28.45	20000	56070	36070	2.80
Horticultural crops														
Indian bean	ICM	New variety	GNIB 22	11	1.1	28	37.5	34.5	26.33	29.88	41736.36	120750	79013.64	2.89

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

Ongoing FLDs of KVK Regular (2022-23)

Sr. No.	Discipline	Season	Crop/ Enterprise	Variety/ Technology Input	Area (ha)	No. of Demo.
1.	Crop Production	*Kharif*, 2022-23	Pigeon pea	GT-105	5	26
2.	Horticulture	*Kharif,* 2022-23	Mango	Kesar	3	30
3.	Animal Science	*Rabi* 2021-22	Poultry	Birds- Rhode Island Red	20 Unit	20
Total					**8 ha/20 Unit**	**76**

IX. Demonstrations given under other schemes (*kharif/Rabi/Summer*,2022-23):

Sr. No.	Scheme/ Particulars of the FLD	Season	Crop	Variety/ Component/ Technology	Area/Unit	No. of Demo.
I	**Adaptive trial (Phase-2)**					
	Crop production	Rabi, 2022-23	Gram	GJG 3	6.66 ha	50
1.	Horticulture	Rabi, 2022-23	Greater yam	Hemlata	0.12 ha	17
2.		Rabi, 2022-23	Mango	Kesar	1.1 ha	11
3.	Plant Protection	Rabi, 2022-23	Pigeon pea	Pheromone trap	20 ha	100
4.		Rabi, 2022-23	Bittergourd	Cue lure trap	40 ha	100
5.	Animal Science	*Rabi* 2022-23	Poultry	Birds- Rhode Island Red	20 Unit	20
6.	Extension education	Rabi, 2022-23	Kitchen garden kit	Okra GAO 5, Cowpea AVCP 1, Bottalgaurd GABH 1, Pegeon pea GT 105	150 unit	150
Total					**67.88 ha & 170 unit**	**448**

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

Farmers' Training including sponsored training programmes (on campus)

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Weed Management	1				25	1	26	25	1	26
Resource Conservation Technologies										
Cropping Systems										
Crop Diversification										
Integrated Farming										
Micro Irrigation/irrigation										
Seed production										
Nursery management	1				28	6	34	28	6	34
Integrated Crop Management	1				8	2	10	8	2	10
Soil & water conservation										
Integrated nutrient management	1				25	1	26	25	1	26
Production of organic inputs	2				13	3	16	13	3	16
Others (pl. specify) (Natural farming)	5				242	59	301	242	59	301
Total	**11**				**341**	**72**	**413**	**341**	**72**	**413**
II Horticulture										
a) Vegetable Crops										
Production of low value and high value crops	2				62	8	70	62	8	70
Off-season vegetables	1				25	0	25	25	0	25
Nursery raising										
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation										
Others (pl specify)										
Total (a)	**3**				**87**	**8**	**95**	**87**	**8**	**95**
b) Fruits										
Training and Pruning										
Layout and Management of Orchards	1				11	0	11	11	0	11
Cultivation of Fruit	1				18	2	20	18	2	20
Management of young plants/orchards										
Rejuvenation of old orchards										
Export potential fruits	1				15	0	15	15	0	15
Micro irrigation systems of orchards										
Plant propagation techniques										
Others (pl specify)										
Total (b)	**3**				**44**	**2**	**46**	**44**	**2**	**46**
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	1				17	2	19	17	2	19
Processing and value addition										
Others (pl specify)										
Total (d)	**1**				**17**	**2**	**19**	**17**	**2**	**19**
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	1				18	2	20	18	2	20
Others (pl specify)										
Total (g)	**1**				**18**	**2**	**20**	**18**	**2**	**20**
Grand Total (a to g)	**8**				**166**	**14**	**180**	**166**	**14**	**180**
III Soil Health and Fertility Management										
Soil fertility management	4				116	50	166	116	50	166
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	**4**				**116**	**50**	**166**	**116**	**50**	**166**
IV Livestock Production and Management										
Dairy Management	5				100	110	210	100	110	210
Poultry Management										
Piggery Management										
Rabbit Management										
Animal Nutrition Management	2				9	59	68	9	59	68
Disease Management										
Feed & fodder technology	2				12	58	70	12	58	70
Production of quality animal products										
Others (pl specify)										
Total	**9**				**121**	**227**	**348**	**121**	**227**	**348**
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										
Women empowerment	1				5	25	30	5	25	30
Location specific drudgery reduction technologies										
Rural Crafts										
Women and child care										
Others (pl specify)										
Total	**1**				**5**	**25**	**30**	**5**	**25**	**30**
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										
Integrated Pest Management	1				18	4	22	18	4	22
Integrated Disease Management	2				28	16	44	28	16	44
Bio-control of pests and diseases	2				50	36	86	50	36	86
Production of bio control agents and bio pesticides										
Others (pl specify)	1				26	0	26	26	0	26
Total	**6**				**122**	**56**	**178**	**122**	**56**	**178**
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	1				0	25	25	0	25	25
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths	1				21	4	25	21	4	25
WTO and IPR issues	1				0	25	25	0	25	25
Others (pl specify)	3				91	27	118	91	27	118
Total	**6**				**112**	**81**	**193**	**112**	**81**	**193**
XI Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems	1				25	0	25	25	0	25
Others (pl specify)										
Total	**1**				**25**	**0**	**25**	**25**	**0**	**25**
GRAND TOTAL	**46**				**1008**	**525**	**1533**	**1008**	**525**	**1533**

Farmers' Training including sponsored training programmes (off campus)

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Weed Management	1				16	12	28	16	12	28
Resource Conservation Technologies										
Cropping Systems										
Crop Diversification										
Integrated Farming										
Micro Irrigation/irrigation										
Seed production										
Nursery management										
Integrated Crop Management										
Soil & water conservation	1				48	3	51	48	3	51
Integrated nutrient management	4				114	35	149	114	35	149
Production of organic inputs										
Others (pl specify)	7				272	55	327	272	55	327
Total	**13**				**450**	**105**	**555**	**450**	**105**	**555**

II Horticulture										
a) Vegetable Crops										
Production of low value and high value crops	3				29	87	116	29	87	116
Off-season vegetables										
Nursery raising										
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation										
Others (pl specify)										
Total (a)	**3**				**29**	**87**	**116**	**29**	**87**	**116**
b) Fruits										
Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit	1				20	0	20	20	0	20
Management of young plants/orchards										
Rejuvenation of old orchards										
Export potential fruits	1				25	1	26	25	1	26
Micro irrigation systems of orchards										
Plant propagation techniques										
Others (pl specify)										
Total (b)	**2**				**45**	**1**	**46**	**45**	**1**	**46**
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	1				31	7	38	31	7	38
Processing and value addition										
Others (pl specify)										
Total (d)	**1**				**31**	**7**	**38**	**31**	**7**	**38**
e) Tuber crops										
Production and Management technology	1				10	15	25	10	15	25
Processing and value addition										
Others (pl specify)	1				34	11	45	34	11	45
Total (e)	**2**				**44**	**26**	**70**	**44**	**26**	**70**
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)	**8**				**149**	**121**	**270**	**149**	**121**	**270**
III Soil Health and Fertility Management										
Soil fertility management	1				23	22	45	23	22	45
Integrated water management										
Integrated Nutrient Management										
Production and use of organic inputs	1				32	18	50	32	18	50
Management of Problematic soils										
Micro nutrient deficiency in crops										
Nutrient Use Efficiency										
Balance use of fertilizers										
Soil and Water Testing										
Others (pl specify)	8				266	55	321	266	55	321
Total	**10**				**321**	**95**	**416**	**321**	**95**	**416**
IV Livestock Production and Management										
Dairy Management	2				34	35	69	34	35	69
Poultry Management										
Piggery Management										
Rabbit Management										

Animal Nutrition Management										
Disease Management										
Feed & fodder technology	3				95	52	147	95	52	147
Production of quality animal products										
Others (pl specify)	2				62	26	88	62	26	88
Total	**7**				**191**	**113**	**304**	**191**	**113**	**304**
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	2				20	48	68	20	48	68
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	2				0	72	72	0	72	72
Women empowerment	1				14	28	42	14	28	42
Location specific drudgery reduction technologies										
Rural Crafts										
Women and child care	2				30	23	53	30	23	53
Others (pl specify)	3				261	27	288	261	27	288
Total	**10**				**325**	**198**	**523**	**325**	**198**	**523**
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										
Integrated Pest Management	4				86	42	128	86	42	128
Integrated Disease Management	6				141	71	212	141	71	212
Bio-control of pests and diseases	3				122	28	150	122	28	150
Production of bio control agents and bio pesticides	1				20	4	24	20	4	24
Others (pl specify)	2				91	0	91	91	0	91
Total	**16**				**460**	**145**	**605**	**460**	**145**	**605**
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	1				35	9	44	35	9	44
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	**1**				**35**	**9**	**44**	**35**	**9**	**44**
X Capacity Building and Group Dynamics										
Leadership development	1				8	22	30	8	22	30
Group dynamics	1				12	18	30	12	18	30
Formation and Management of SHGs										
Mobilization of social capital	1				17	14	31	17	14	31
Entrepreneurial development of farmers/youths	1				48	3	51	48	3	51
WTO and IPR issues										
Others (pl specify)	1				10	24	34	10	24	34
Total	**5**				**95**	**81**	**176**	**95**	**81**	**176**
XI Agro-forestry										
Production technologies	2				82	18	100	82	18	100
Nursery management										
Integrated Farming Systems										
Others (pl specify)										
Total	**2**				**82**	**18**	100	**82**	**18**	100
GRAND TOTAL	**72**				**2108**	**885**	**2993**	**2108**	**885**	**2993**

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

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Weed Management	2				41	13	54	41	13	54
Resource Conservation Technologies										
Cropping Systems										
Crop Diversification										
Integrated Farming										
Micro Irrigation/irrigation										
Seed production										
Nursery management	1				28	6	34	28	6	34
Integrated Crop Management	1				8	2	10	8	2	10
Soil & water conservation	1				48	3	51	48	3	51
Integrated nutrient management	5				139	36	175	139	36	175
Production of organic inputs	2				13	3	16	13	3	16
Others (pl specify)	12				514	114	628	514	114	628
Total	**24**				**791**	**177**	**968**	**791**	**177**	**968**
II Horticulture										
a) Vegetable Crops										
Production of low value and high value crops	5				91	95	186	91	95	186
Off-season vegetables	1				25	0	25	25	0	25
Nursery raising										
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation										
Others (pl specify)										
Total (a)	**6**				**116**	**95**	**211**	**116**	**95**	**211**
b) Fruits										
Training and Pruning										
Layout and Management of Orchards	1				11	0	11	11	0	11
Cultivation of Fruit	2				38	2	40	38	2	40
Management of young plants/orchards										
Rejuvenation of old orchards										
Export potential fruits	2				40	1	41	40	1	41
Micro irrigation systems of orchards										
Plant propagation techniques										
Others (pl specify)										
Total (b)	**5**				**89**	**3**	**92**	**89**	**3**	**92**

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	2				48	9	57	48	9	57
Processing and value addition										
Others (pl specify)										
Total (d)	**2**				**48**	**9**	**57**	**48**	**9**	**57**
e) Tuber crops										
Production and Management technology	1				10	15	25	10	15	25
Processing and value addition										
Others (pl specify)	1				34	11	45	34	11	45
Total (e)	**2**				**44**	**26**	**70**	**44**	**26**	**70**
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	1				18	2	20	18	2	20
Others (pl specify)										
Total (g)	**1**				**18**	**2**	**20**	**18**	**2**	**20**
Grand Total (a to g)	**16**				**315**	**135**	**450**	**315**	**135**	**450**
III Soil Health and Fertility Management										
Soil fertility management	5				139	72	211	139	72	211
Integrated water management										
Integrated Nutrient Management										
Production and use of organic inputs	1				32	18	50	32	18	50
Management of Problematic soils										
Micro nutrient deficiency in crops										
Nutrient Use Efficiency										
Balance use of fertilizers										
Soil and Water Testing										
Others (pl specify)	8				266	55	321	266	55	321
Total	**14**				**437**	**145**	**582**	**437**	**145**	**582**
IV Livestock Production and Management										
Dairy Management	7				134	145	279	134	145	279
Poultry Management										
Piggery Management										
Rabbit Management										
Animal Nutrition Management	2				9	59	68	9	59	68
Disease Management										
Feed & fodder technology	5				107	110	217	107	110	217
Production of quality animal products										
Others (pl specify)	2				62	26	88	62	26	88
Total	**16**				**312**	**340**	**652**	**312**	**340**	**652**
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	2				20	48	68	20	48	68
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	2				0	72	72	0	72	72
Women empowerment	2				19	53	72	19	53	72
Location specific drudgery reduction technologies										
Rural Crafts										
Women and child care	2				30	23	53	30	23	53

Others (pl specify)	3				261	27	288	261	27	288
Total	**11**				**330**	**223**	**553**	**330**	**223**	**553**
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										
Integrated Pest Management	5				104	46	150	104	46	150
Integrated Disease Management	8				169	87	256	169	87	256
Bio-control of pests and diseases	5				172	64	236	172	64	236
Production of bio control agents and bio pesticides	1				20	4	24	20	4	24
Others (pl specify)	3				117	0	117	117	0	117
Total	**22**				**582**	**201**	**783**	**582**	**201**	**783**
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	1				35	9	44	35	9	44
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	**1**				**35**	**9**	**44**	**35**	**9**	**44**
X CapacityBuilding and Group Dynamics										
Leadership development	2				8	47	55	8	47	55
Group dynamics	1				12	18	30	12	18	30
Formation and Management of SHGs										
Mobilization of social capital	1				17	14	31	17	14	31
Entrepreneurial development of farmers/youths	2				69	7	76	69	7	76
WTO and IPR issues	1				0	25	25	0	25	25
Others (pl specify)	4				101	51	152	101	51	152
Total	**11**				**207**	**162**	**369**	**207**	**162**	**369**
XI Agro-forestry										
Production technologies	2				82	18	100	82	18	100
Nursery management										
Integrated Farming Systems	1				25	0	25	25	0	25

Others (pl specify)										
Total	**3**				**107**	**18**	**125**	**107**	**18**	**125**
GRAND TOTAL	**118**				**3116**	**1410**	**4526**	**3116**	**1410**	**4526**

Sponsored training programmes

Area of training	No. of Courses	No. of Participants								
		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				58	39	97	58	39	97
Commercial production of vegetables										
Production and value addition										
Fruit Plants										
Ornamental plants										
Spices crops										
Soil health and fertility management										
Production of Inputs at site										
Methods of protective cultivation										
Others (pl. specify) (Natural farming) (Horticulture)	18				658	183	841	658	183	841
Total	**20**				**716**	**222**	**938**	**716**	**222**	**938**
Post harvest technology and value addition										
Processing and value addition	2				0	72	72	0	72	72
Others (pl. specify)										
Total	**2**				**0**	**72**	**72**	**0**	**72**	**72**
Farm machinery										
Farm machinery, tools and implements										
Others (pl. specify)										
Total										
Livestock and fisheries										
Livestock production and management	2				76	23	99	76	23	99
Animal Nutrition Management	2				82	21	103	82	21	103
Animal Disease Management										
Fisheries Nutrition										
Fisheries Management										
Others (pl. specify)	2				62	26	88	62	26	88
Total	**6**				**220**	**70**	**290**	**220**	**70**	**290**
Home Science										
Household nutritional security										
Economic empowerment of women										
Drudgery reduction of women										
Others (pl. specify)	4				250	36	286	250	36	286
Total	**4**				**250**	**36**	**286**	**250**	**36**	**286**
Agricultural Extension										
CapacityBuilding and Group Dynamics										
Others (pl. specify) (Ext. Education) (Plant Protection)	22				745	192	937	745	192	937
Total	**22**				**745**	**192**	**937**	**745**	**192**	**937**
GRAND TOTAL	**54**				**1931**	**592**	**2523**	**1931**	**592**	**2523**

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

Area of training	No. of Courses	No. of Participants								
		General/ Others			SC/ST			Grand Total		
		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										
Others (pl. specify)	1				0	33	33	0	33	33

Total	**1**				**0**	**33**	**33**	**0**	**33**	**33**
Livestock and fisheries										
Dairy farming										
Composite fish culture										
Sheep and goat rearing										
Piggery										
Poultry farming										
Others (pl. specify)										
Total										
Income generation activities										
Vermicomposting										
Production of bio-agents, bio-pesticides,										
bio-fertilizers etc.										
Repair and maintenance of farm machinery										
and implements										
Rural Crafts										
Seed production										
Sericulture										
Mushroom cultivation										
Nursery, grafting etc.										
Tailoring, stitching, embroidery, dying etc.										
Agril. para-workers, para-vet training										
Others (pl. specify)										
Total										
Agricultural Extension										
Capacity building and group dynamics										
Others (pl. specify)										
Total										
Grand Total	**1**				**0**	**33**	**33**	**0**	**33**	**33**

3.5. Extension Programmes

Activities	No. of programmes	No. of farmers			TOTAL
		Male	Female	Total	
Diagnostic visits	24	42	11	53	53
Field Day	02	24	15	39	39
KisanGhosthi	07	222	138	360	360
Film Show	26	747	394	1141	1141
KisanMela	02	543	205	748	748
Exhibition	05	1569	608	2177	2177
Scientists' visit to farmers field	25	53	39	92	92
Farmers' seminar/workshop	07	2046	677	2723	2723
Method Demonstrations	40	670	328	998	998
Celebration of important days	20	1108	538	1646	1646
Exposure visits	07	102	96	198	198
Others (pl.specify)					
Lecture delivered	124	6555	3650	10205	10205
Field visit	48	92	65	157	157
FLD visit	50	90	68	158	158
OFT visit	13	19	11	30	30
Framers visit to KVK	20	534	135	669	669
Farmers Scientist interaction	31	577	283	860	860
Farmers meetings	01	07	05	12	12
BRS students placement	08	50	30	80	80
TV, Redio talk	03	-	-	-	-
Farm school	06	139	40	179	179
Survey work	06	128	0	128	128
Special swachhta campaign 2.0	01	117	145	262	262
Video send to Farmers mobile	80	54268	-	54268	54268
Telephone helpline	84	2513	-	2513	2513
Total	**640**	**72215**	**7481**	**79696**	**79696**

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

Details of other extension programmes:

Particulars	Number
Electronic Media (CD./DVD)	-
Extension Literature	19
Newspaper coverage	179
Popular articles	28
Radio Talks	-
TV Talks	03
Animal health camps (Number of animals treated)	0
Social Media (No. of platforms Used)	4
Others (pl. specify)	
Plant Health Clinic diagnostic services	66
Success story	06
Technical report	445
Kisan SMS/Whatsapp SMS	303
Telephone helpline	84 (2513 farmers)
Total	**1137**

3.6 Online activities during year 2022

S. No.	Activity Type	Mode of implementation (Video conferencing / Audio Conferencing / Facebook Live / YouTube Live/ Zoom/ Google meet/ Webex etc.)	Title of Program	No. of Programmes	No. of Participants/ Views
A	Farmers training				
1	-	-	-	-	-
	Total				
B	Farmers scientist's interaction programme				
1	-	-	-	-	-
	Total				
C	Farmers seminars				
1	-	-	-	-	-
	Total				
D	Expert lectures				
1	Lectures	Video conferencing	Food nutrition health wash	01	700
	Total				
E	Any other (Pl. specify)				
1	-	-	-	-	-
	Total			1	700
	Grand Total (A+B+C+D+E)			**1**	**700**

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

Production of seeds by the KVKs

Crop	Name of the crop	Name of the variety	Name of the hybrid	Quantity of seed (q)	Value (Rs)	Number of farmers
Cereals	Paddy	New variety	GR 17	31.50	98,280	125
Cereals	Paddy	New variety	GR 18	17.50	57,400	75
Cereals	Paddy	New variety	GNR 08	16.10	50,230	65
Pulses	Gram	New variety	GJG 03	14.25	1,06,875	60
Pulses	Green gram	New variety	GM 6	10.30	1,13,300	150
Pulses	Pigeon pea	New variety	GT 105	1.74	17,400	40

Production of planting materials by the KVK

Crop	Name of the crop	Name of the variety	Name of the hybrid	Number	Value (Rs.)	Number of farmers
Vegetable seedlings	Tomato, Brinjal, Chilli, Drumstick	New variety	-	5940	5940	120
Fruits	Mango	New variety	Kesar, Totapuri, Desi	-	1,42,000/- Auction	-

Production of Bio-Products

Bio Products	Name of the bio-product	Quantity Kg/Lit	Value (Rs.)	No. of Farmers
-	-	-	-	-

Production of livestock materials

Particulars of Live stock	Name of the animal / bird / aquatics	Name of the breed	Type of Produce	unit (no./ lit/kg)	Quantity	Value (Rs.)	No. of Farmers
-	-	-	-	-	-	-	-

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

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

B. Literature developed/published

Item	Title	Authors name	Number
Research papers	Influence of various cow-based bio-enhancers and botanicals on yield, nutrient uptake of organic wheat (Triticum aestivum L.) and soil properties	The Pharma Inovation Journal on 28-11-2022	01
Technical reports	Swachhta action plan activities for the period from october 2021 to december 2021	ATARI PUNE	01
	3rd quarter wise output achievement for scheduled tribe component 2021-22	ATARI PUNE	01
	Progress report of December 2021 for capacity building of farmers on profitable dairy farming & livestock management	ATARIPUNE	01
	Requirement under RE 2021-22	ATARI, Pune	01

	MPR- December and QPR Targets achieved (Oct –December 2021) in 3nd Quarter (2021-22) of KVK, Dangs	ATARI, Pune	01
	Azadika amrut mahotsav	DEE, NAU, Navsari	01
	Extension Activities Of Month December 2021 of KVK, Waghai, Dang	DEE, NAU, Navsari	01
	NAU spectrum news bulletin for the period of October-21 to December-21 of KVK, Dangs	DEE, NAU, Navsari	01
	List of farmers of promoting and disseminating natural agriculture of KVK, Dangs	ATARI, Pune	01
	Durdarshan kendr Ahamadabad Akasvani kendra Vadodara BISAG Sdudio Gadhinagar…..	ATARI, Pune, Windfall	01
	Azadika amrut mahotsavKaryakram babat	ATARI, Pune	01
	Preparation of APR and AAP for Annual KVK online meeting	DEE, NAU, Navsari	01
	Regarding SAC meeting at KVK, NAU, Waghai (Dang)	ATARI, Pune	01
	Regarding SAC meeting at KVK, NAU, Waghai (Dang)	ATMA DANG	01
	Team of KVK Dangs for Natural farming	DEE, NAU, Navsari	01
	TSP 3rd Quarter achievements (October to December 2021)	ATARI, Pune	01
	21th SAC report of KVK, Dangs	ATARI, Pune	01
	DFI PPT To Word File	ATARI, Pune	01
	Preparation of minutes of 21th SAC meeting held on 24-01-2022 in English and Gujarati formate	DEE, NAU, Navsari	01
	MES month of Dec-21	ATARI, Pune	01
	Reporting of Natural Farming cum Demonstration	ATMA DANG	01
	Release of fund for construction of new farmer hostel	ATARI, Pune	01
	Report of Celebration of World Pulses Day	DDE and ATARI pune	01
	Progress report of January 2022 for capacity building of farmers on profitable dairy farming & livestock management	ATARIPUNE	01
	MPR for Capacity Building on Profitable Dairy Farming and Livestock Management for January 2022	ATARI, Pune	01
	Azadika amrut mahotsav	DEE, NAU, Navsari	01
	Kheduto mate santhakiy talim mate tajagn ni falavali	ATMA DANG	01
	Monthly Progress Report of January 2022	ATARI, Pune	01
	Revised Monthly Progress Report of January 2022	ATARI, Pune	01
	Pan India implementation of Kisan Sarathi	ATARI, Pune	01
	Revised Extension Activities Of Month January 2022 of KVK, Waghai, Dang	DEE, NAU, Navsari	01
	Celebration of World Pulses Day	DEE, NAU, Navsari,ATARI, Pune	01
	Kheduto mate santhakiy talim mate tajagn ni falavali	ATMA DANG	01
	TSP revised sampling plan and Intervention-wise Beneficiary	ATARI, Pune	01
	Performa for renewal of Contractual Staff	DEE, NAU, Navsari	01
	Annual Progress Report Of Tribal Sub Plan (TSP) Under AICRP on Seed (Crops) 2021-22	DEE, NAU, Navsari, Meseed	01

	Azadika amrut mahotsav	DEE, NAU, Navsari	01
	Chhela 20 varshma melavel karyshidhdhini vigato mokali aapava babat	DEE, NAU, Navsari,ATARI, Pune	01
	DFI Success stories	ATARI, Pune	01
	Quarterly report (01-01-2022 to 28-02-2022) of Adaptive Trial	DEE, NAU, Navsari,ATARI, Pune	01
	DFI Success stories	DEE, NAU, Navsari,ATARI, Pune	01
	Impact of various activities/ recommendation	DEE, NAU, Navsari	01
	Preparation of Agromet Advisory	IMD	01
	Report regarding celebration of World Womens day	ATARI,Pune	01
	Progress report of February 2022 for capacity building of farmers on profitable dairy farming & livestock management	ATARIPUNE	01
	Regarding remaining training schedule of Capacity Building of Farmers through Training Programmes on Profitable Dairying Farming and Livestock Management of KVK, Dangs	ATARI, Pune	01
	MPR for Capacity Building on Profitable Dairy Farming and Livestock Management for February 2022	ATARI, Pune	01
	Information for Compilation of Annual Progress Report 2021 (January 2021 to December 2021) of KVK, Dangs	ATARI, Pune	01
	Monthly Progress Report of February 2022 of KVK, Dangs	ATARI, Pune	01
	Revised Extension Activities Of Month January 2022 of KVK, Waghai, Dang	DEE, NAU, Navsari	01
	Revised Extension Activities Of Month January 2022 of KVK, Waghai, Dang	DEE, NAU, Navsari	01
	Regarding remaining training schedule of Capacity Building of Farmers through Training Programmes on Profitable Dairying Farming and Livestock Management of KVK, Dangs	ATARI, Pune	01
	Azadika amrut mahotsav mahit angenij samiksha bethakni vigato babat	DEE, NAU, Navsari	01
	International Women's Day - 8th March, 2022	DEE, NAU, Navsari,ATARI, Pune	01
	Allot the grant for the purpose of pay and allowances	DEE, NAU, Navsari	01
	Regarding fund release of Scheme ACROSS at DAMU,K.V.K. Waghai (Dangs)	DEE, NAU, Navsari	01
	Release of Grant-in-Aid for DAMUs to ICAR for the financial year 2022-23	ATARI, Pune	01
	Annual Progress Report Photos 2021 (January 2021 to December 2021) of KVK, Dangs	DEE, NAU, Navsari,ATARI, Pune	01
	KVK Waghai Photos	DEE, NAU, Navsari	01
	Release of Grant-in-Aid for DAMUs to ICAR for the financial year 2022-23	DEE, NAU, Navsari	01
	Provisional utilization certificate of DAMU scheme	Comptroller NAU	01
	Allot the grant for the purpose of pay and allowances	DEE, NAU, Navsari, Comptroller NAU	01
	Allot grant for PKVY scheme	DEE, NAU, Navsari, Comptroller NAU	01
	Regarding fund release of Scheme	ATARI, Pune	01

	ACROSS at DAMU,K.V.K. Waghai (Dangs)		
	Released fund for farmer hostel	ATARI, Pune	01
	Preparation of Agromet Advisory	IMD	01
	Progress report of February 2022 for capacity building of farmers on profitable dairy farming & livestock management	ATARIPUNE	01
	Success stories in Gujarati	ATARI, Pune	01
	TSP, 4th Quarter achievements (January to March 2022)	ATARI, Pune	01
	MPR- March and QPR Targets achieved (Jan –March 2022) in 4nd Quarter (2021-22) of KVK, Dangs	ATARI, Pune	01
	Performa Information for the period: April 2021 to March 2022	DEE, NAU, Navsari	01
	Revised Extension Activities Of Month March 2022 of KVK, Waghai, Dang	DEE, NAU, Navsari	01
	Publication of the quarterly NAU spectrum news bulletin for the period of January-22 to March-22 of KVK, Dangs	DEE, NAU, Navsari	01
	Regarding the inauguration of Agriculture University selling center at KVK, NAU, Waghai (Dang)	ATMA DANG,	01
	Chalu varsh 2022-23 mate karavani thati aambafal haraji karva babat	DEE, NAU, Navsari	01
	Grant the permission for expenditure of daily wages staff in Pay & Allowances	ATARI, Pune	01
	Office order for care taker of Khedut Ghar	DEE, NAU, Navsari	01
	Schedule for organization of Kisan Mela at KVK-Waghai on 26 April 2022	ATMA DANG,	01
	Impact of KVK Dangs	ATARI, Pune	01
	Azadika amrut mahotsav antargart ta.26 april 2022 jill kakshae KVK khate krushi melo.	DEE, NAU, Navsari, Comptroller NAU, ATARI, Pune, DOD DANG,	01
	Revised Mail Azadika amrut mahotsav antargart ta.26 april 2022 jill kakshae KVK khate krushi melo.	DEE, NAU, Navsari, Comptroller NAU, ATARI, Pune, DOD DANG,	01
	Preparation of Agromet Advisory	IMD	01
	accomodation in your guest house for participants for workshop held at ATARI Pune	ADSC Pune	01
	Nomination to participate in the Workshop for DFI stories	ATARI Pune	01
	Workshop for entry of DFI stories into Excel 21-22 May 2022 at ATARI Pune	ATARI Pune	01
	Permission for Participation in 21 days online training programme regarding...	DEE Navasari	01
	Regarding providing information on list of Research papers Published in >10.00 NAAS rated journals during 2021-22	DEE Navasari	01
	Nomination to participate in the training programmes	EEI Anand	01
	NARI Progress report for the year 2021 of KVK, Dangs	ATARI Pune	01
	SBI Letter	DEE, NAU, Navsari	01
	Signed & Upload Office order of Off campus training programe	DEE, NAU, Navsari	01
	Monthly Progress Report of April 2022 of KVK, Dangs	ATARI Pune	01
	Monthly Progress Report of April 2022, KVK, Dangs	ATARI Pune	01
	Ambafalni harajima hajar raheva babat	DEE, NAU, Navsari, Vinay,	01

		FRS, Agriculture, Registar	
	Active Participation for your Department in A State-level "Azadi Ka Amrit Mahotsav Startup Innovation Challenge 2022"	DEE, NAU, Navsari, DR NAU	01
	Final date for off campus training programmes regarding…	EEI Anand, DEE, NAU, Navsari	01
	Azadika Amrut Mahotsav	DEE, NAU, Navsari	01
	Information of mango production	DEE Navasari, DR NAU	01
	Charge allocation of the office head	DEE Navasari	01
	Preparation of Agromet Advisory	IMD	01
	Monthly Progress Report of April 2022 of KVK, Dangs	ATARI Pune	01
	Monthly Report of Activities May 2022	DEE, NAU, Navsari, DR NAU	01
	Office command	DEE, NAU, Navsari, DR NAU	01
	Regarding of allocating Clark officer	DEE, NAU, Navsari, DR NAU	01
	Issues in release of Grants from IMD to ICAR for DAMU	ATARI Pune, DEE Navasari	01
	Fwd: Urgent: Details of PPV&FRA budget allotted to Gujarat KVKs	ATARI Pune, DEE Navasari	01
	AUC For PPV FRA..Plz Find here with attached File	ATARI Pune, DEE Navasari	01
	Information relevant to Project Monitoring and Tracking System	ATARI Pune	01
	Celebration of International Yoga day Photographs	ATARI Pune, DEE Navasari	01
	Preparation of Agromet Advisory	IMD	01
	Quarterly report of SAP	ATARI, Pune	01
	1st Quarterly Report - Adaptive trial of KVK, Dangs	DEE, NAU, Navsari,	01
	Monthly Report of Activities May 2022	DEE, NAU, Navsari, DR NAU	01
	Release of Publications etc During Zonal Workshop 2022	ATARI Pune	01
	April - 2022 thi September - 2022 daramyan parasharit thanar krushi vishayk karykaram mate vishay/vyakhyanoni mahiti	windfall	01
	Publication of the quarterly NAU spectrum news bulletin for the period of April-22 to June-22	spectrum, NAU, Navsari	01
	Ist Quarter Achievements Report April to June -2022-23	DEE Navasari, DR NAU	01
	Celebration of ICAR Foundation Day Photographs	ATARI Pune	01
	किसानभाई द्वारा iKhedut पोर्टल पर आवेदन करने की विधि Video of kvk wagha	ATARI Pune, DEE Navasari	01
	Release grant of kisan mela programme.	DEE, NAU, Navasari	01
	Information regarding Natural farming of KVK, Dangs	DEE, NAU, Navasari	01
	Ek divasiy talimma vyakhyata tarike seva aapava babat	EIA Cell, NAU, Navasari	01
	Preparation of Agromet Advisory	IMD	01
	Monthly Progress Report of July 2022	ATARI Pune	01
	International Year of Millets	DEE, NAU, Navasari	01
	Sanction and release additional contingency grant for financial year 2022-23	ATARI Pune	01
	Communicating India's Scientifically Validated Traditional Knowledge to the Society (SVASTIK) of KVK, Dangs	DEE, NAU, Navasari	01
	Farm livelyhood antrgat comoditi velu	DEE, NAU, Navasari	01

	chain devlopmant ane maket link tatha orgenic village calster devlopmant hethal techincal suport agency nimanuk karava babat		
	Nomination for Outlook Agriculture Award	DEE Navasari, DR NAU	01
	Sanction and release additional contingency grant for financial year 2022-23	ATARI Pune	01
	Grand falavava babat	DEE Navasari, DR NAU	01
	Farm livelyhood antrgat comoditi velu chain devlopmant ane maket link tatha orgenic village calster devlopmant hethal techincal suport agency nimanuk karava babat	DEE, NAU, Navasari	01
	Parthenium Awareness Week' from 16-22 August, 2022	DEE, NAU, Navasari	01
	Regarding to opening a ZBAC account in the Bank of Maharashtra under ACROSS-MOES	DEE, NAU, Navasari	01
	Action plan on Good Governance of KVK, Waghai, The Dangs	DEE, NAU, Navasari	01
	Grant the permission for expenditure of daily wages staff in Pay & Allowances.	ATARI Pune	01
	Preparation of Agromet Advisory	IMD	01
	Progress report of NEP of Pusa 1850	DEE, NAU, Navsari	01
	Progress report of Oilseed and Pulses during 2017-18 to 2021-22	ATARI, Pune	01
	Prakrutik kheti varkshop 15 Aug to 31Aug	DEE, NAU, Navasari	01
	Monthly Progress Report of August 2022	ATARI Pune	01
	Details of demonstrations conducted during Kharif 2022 under IARI Collaborative Extension Programme	DEE, NAU, Navasari	01
	AUC Format Under PPV & FRA	ATARI.Jodhpur	01
	Press Note	DEE, NAU, Navasari	01
	Prakrutik kheti varkshop 1 Sep to 15 Sep	DEE, NAU, Navasari	01
	Poshan Abhiyan and Tree Plantation on 17 September 2022	ATARI Pune	01
	Release grant of kisan mela programme..	ATARI Pune	01
	AUC 2015-20	DEE, NAU, Navasari	01
	AUC PPV & FRA	ATARI.Jodhpur	01
	AUC Details	DEE, NAU, Navasari	01
	AUC and Other detail of PPV & FRA	DEE, NAU, Navasari	01
	AUC- 2068/B	DEE, NAU, Navasari	01
	Information regarding celebration of various days	DEE, NAU, Navasari	01
	Information for the Year 2021-22 of KVK, Dangs	DEE, NAU, Navasari	01
	Actions on suggestions received in आपके मनकी बात, कुलपति के साथ programme	DEE, NAU, Navasari	01
	Preparation of Agromet Advisory	IMD	01
	Report of Jal-shakti	ATARI, Puna	01
	Report of Mahila Kishan Diwas	ATARI, Puna	01
	Jalshakti Abhiyan 2022- Statewise Best Practices	ATARI, Puna	01
	Activities wise details of special compaign 2.0 from 2nd octomber till date	ATARI, Pune	01
	Special Swachhta Campaign during 2nd October to 31st October, 2022 by KVK, Dangs	ATARI Pune	01
	Quarterly report (01-07-2022 to 30-09-2022) of Adaptive Trial	DEE, NAU, Navasari	01

	Jalshakti Abhiyan 2022- Statewise Best Practices	ATARI Pune	01
	Monthly Progress Report of September	ATARI Pune	01
	Special Swachhta Campaign during 2nd October to 31st October, 2022	ATARI Pune	01
	Jalshakti Abhiyan 2022	ATARI Pune	01
	Report on effect of rains occurred on 7th - 8th October, 2022	ATARI Pune	01
	Salient achievement between October 13, 2020	ATARI Pune	01
	Special Swachhta Campaign during 2nd October to 31st October, 2022 by KVK, Dangs	DEE, NAU, Navasari	01
	Organization of extension activity on 17th October, 2022 and facilitating farmers to view live telecast of PM's	ATARI Pune	01
	Natural farming 01 to 15 October 2022	DEE, NAU, Navasari	01
	PM Kisan Samman Sammelan at KVK, Dangs Photographs	ATARI Pune	01
	Online participation of farmers in PM Kisan Samman Sammelan at KVK, Dangs	DEE, NAU, Navasari	01
	Fund requirement up to 30.09.2022 under salary head in DAMU project	ATARI Pune	01
	Special Swachhta Campaign during 2nd October to 31st October, 2022 by KVK, Dangs	ATARI Pune	01
	Special Swachhta Campaign during 2nd October to 31st October, 2022 by KVK, Dangs	ATARI Pune	01
	ICAR Ranking-2021 (Farmers fair 2021)	DEE, NAU, Navasari	01
	Special Swachhta Campaign during 2nd October to 31st October, 2022 by KVK, Dangs	ATARI Pune	01
	Special Swachhta Campaign during 2nd October to 31st October, 2022 by KVK, Dangs	ATARI Pune	01
	Natural farming 16 to 31 October 2022	DEE, NAU, Navasari	01
	Preparation of Agromet Advisory	IMD	01
	Activities Conducted Under Outscaling of Natural Farming	ATARI, Pune	01
	Current status data of Natural Farming	DEE, NAU, Navsari	01
	Progress of TSP for Quarter-2 July to Sept 2022 (2022-23)	ATARI Pune	01
	Monthly Progress Report of October	ATARI Pune	01
	ગવર્નમેન્ટ ઇ) માર્કેટપ્લેસ-GeM) પર Users	DEE, NAU, Navasari	01
	ST કેટેગરીના લાભાર્થીના નામ મોકલવા બાબત....	DEE, NAU, Navasari	01
	Images of Special Campaign 2.0 from 2nd - 31st October 2022 of KVK, Dangs	ATARI Pune	01
	Books published during 2021-22 of KVK, Dangs	ATARI Pune	01
	Regarding approval of Action plan of CFLD 2022-23	ATARI Pune	01
	"આઝાદી કા અમૃત મહોત્સવ" અંતર્ગત થીમ આધારિત વિવિધ ઝુંબેશ અને કાર્યક્રમોની વિગતો દર્શાવતુ કેલેન્ડર	ATARI Pune	01
	Request for providing current status data of Natural Farming	DEE, NAU, Navasari	01

	Natural farming 1 to 15 November 2022	DEE, NAU, Navasari	01
	Information of Short term & Long term trainings	DEE, NAU, Navasari	01
	Current status of Natural Farming	DEE, NAU, Navasari	01
	National Workshop on Natural farming & Training programme..reg.	DEE, NAU, Navasari	01
	National Workshop on Natural farming & Training programme..reg.	ATARI Pune, DEE, NAU, Navasari	01
	"પ્રવૃતિની રૂપરેખા" સનેની ૨૪-૨૦૨૩ : માહિતીof KVK, Waghai	DEE, NAU, Navasari	01
	Activities Conducted Under Outscaling of Natural Farming	ATARI Pune, DEE, NAU, Navasari	01
	National Project on TSP	ATARI Pune	01
	Preparation of Agromet Advisory	IMD	01
	List of Progressive Farmers in India-adoption of best practices	DEE NAU, Navasari	01
	Monthly Progress Report of November 2022	DEE NAU, Navasari	01
	World Soil Day 05 December 2022 photographs	ATARI Pune	01
	Participation in winter schoo	DEE NAU, Navasari	01
	Grant the permission for expenditure of daily wages staff in Pay & Allowances	ATARI Pune, DEE NAU, Navasari, Cmptroller NAU, Navsari	01
	Award received by Scientist of KVK, Waghai	DEE NAU, Navasari	01
	OFT high quality JPG images of KVK, Dangs	ATARI Pune	01
	KVK, Dang participation in Natural farming Training Program	ATARI Pune	01
	Natural farming 01 to 15 December 2022	DEE NAU, Navasari	01
	Technology Week - 2022	DEE NAU, Navasari	01
	Technology Week - 2022	ATMA Dang Ahwa	01
	Technology Week - 2022	DEE Rech. NAU, Navasari	01
	1st Day of celebration of Technology week dated 19-12-2022	ATARI Pune	01
	2nd day of Technology week of KVK, NAU, Dang, Gujarat	ATARI Pune	01
	3rd day of technology week of KVK, NAU, Dang, Gujarat	ATARI Pune	01
	4th day of technology week of KVK, NAU, Dang, Gujarat	ATARI Pune	01
	KISAN SAMMAN DIWAS Photographs of KVK, Dangs	ATARI Pune	01
	5th day of technology week of KVK, NAU, Dang, Gujarat	ATARI Pune	01
	Preparation of Agromet Advisory	IMD	01
News letters	*ATMA talim bhavan khate khedutone prakrutik khetini talim apavama aavi*	Public App News	01
	Dang Jilaa na waghai krushi vigyan kendra khate parakrutik kheti pradharshan shthal ubhu karayu	DD News Gujarati	01
	krushi vigyan kendr(waghai) ane ATMA tapi dvara KVK khate khedutone capicity bulding upar sponsor talim aapava ma aavi	Public App News	01
	krushi vigyan kendr, waghai khate prakrutik krushi padhdhti sambadhit plot come niddrashan taiyar karavama aavyu	Vasalyam Samachar	01
	krushi vigyan kendr, waghai khate prakrutik krushi padhdhti sambadhit plot	Satya Day	01

	come niddrashan taiyar karavama aavyu		
	Krushi vigyan kendr, waghai khate prakrutik krushi padhdhti sambadhit plot come niddrashan taiyar karavama aavyu	Dhabakar News	01
	Prakrutik krushi padhdhti sambadhit plot come niddrashan taiyar karavama aavyu	Divya Bhaskar News	01
	Krushi vigyan kendr khate prakrutik kheti sambadhit plot come niddrashan taiyar karavama aavyu	Public App News	01
	Krushi vigyan kendr, waghai khate prakrutik krushi padhdhti sambadhit plot come niddrashan taiyar karavama aavyu	Gandhinagar Today	01
	Waghai na Krushi vigyan kendr prakrutik kheti padhdhti sambadhit niddrashan taiyar	Gujarat Gurdian	01
	Krushi vigyan kendr, waghai khate prakrutik krushi padhdhti sambadhit plot come niddrashan taiyar karavama aavyu	Lokarpan News	01
	Dang jilla ma prakrutik kheti padhdhti sambadhit plotnu karavama	Public App News	01
	Dang jillana krushi vigyan kendra khate Mahila Kishan Divas ni ujavani karai	Surat Mitra	01
	Waghai kruishi vigyan khate prakrutik krushi padhdhti sambadhit plot come niddrashan yojayu	Vartman Pravas	01
	Krushi vigyan kendr, waghai khate prakrutik krushi padhdhti sambadhit plot come niddrashan taiyar karavama aavyu	Krishi Prabhat	01
	Waghai kruishi vigyan khate prakrutik krushi padhdhti sambadhit plot come niddrashan taiyar karava ma aavyu	Atal Savera, Surat	01
	Waghai khate prakrutik krushi padhdhti ange niddrashan taiyar karava ma aavyu	Daman Ganga	01
	Krushi vigyan kendr, waghai khate prakrutik krushi padhdhti sambadhit plot come niddrashan taiyar karavama aavyu	Samna Dainik	01
	Krushi vigyan kendr, waghai khate prakrutik krushi padhdhti sambadhit plot come niddrashan taiyar karavama aavyu	Lokarpan News	01
	Krushi vigyan kendr, waghai khate prakrutik krushi padhdhti sambadhit plot come niddrashan taiyar karavama aavyu	Zatpat News	01
	Krushi vigyan kendr khate 21mi vaigyanik salahakar samitini bethak yojai	Public App News	01
	Waghai na Krushi vigyan kendr dvara 21mi vaigyanik salahakar samitini bethak yojai	Zatpat News	01
	Waghai na Krushi vigyan kendr dvara 21mi vaigyanik salahakar samitini bethak yojai	Vatsalyam Samachar	01
	Danga na Waghai KVK ma salahakar samitini bethak yojai	Divya Bhaskar News	01
	Waghai na Krushi vigyan kendr dvara 21mi vaigyanik salahakar samitini bethak yojai	_ _	01
	Waghai ane ahwa khate akhil bhartiy bakara sudharana yojana antargat surati bakarapalanani talim yojai	Vasalyam Samachar	01
	Waghai krushi vigyan kendr dvara vishv kathol divasni ujavani karavma aavi	Zatpat News	01
	Krushi vigyan kendr Waghai(Dnag) dvara vishv kathol divasni ujavani karavma aavi	_ _	01
	Waghai krushi vigyan kendr dvara vishv	_ _	01

	kathol divasni ujavani karavma aavi		
	Dang jillama TSP yojanama kelani vaigyanik kheti par vishay upar talim	Divya Bhaskar News	01
	Dangama kheduto mate kela ni vaigyanik kheti padhdhti ni talim shibirnu aayojan karayu	Gujarat Gurdian	01
	Dang ma (ICAR-AICARP Fruits)ni TSP yojanama kelani vaigyanik kheti par vishay upar talim	Lokarpan News	01
	Danga jillama ma kela ni vaigyanik kheti padhdhti vishay upar margdarshan Shibir	Nayan Darshan	01
	Dang ma (ICAR-AICARP Fruits)ni TSP yojanama kelani vaigyanik kheti par vishay upar talim	Zatpat News	01
	Dang jillama T.S.P. yojanama kelani vaigyanik kheti par vishay upar talim	Vasalyam Samachar	01
	Pashuona falikaran mate kutrim bijdan karaavo:Dr.Sagar patel	Nayan Darshan	01
	Kheduona talimna bhag rupe dang na krushi vigyan kendr waghai khate agricaltur dron nu nidarashan	Jan Adesh News	01
	Waghai krushi vigyan kendr, dvara 3 divasiy pashupalan talim yojai	Zatpat News	01
	Krushi vigyan kendr khate bhartiy krushi anushadhan parisad(Navi Dilhi) pruskrut pashupalan ni 3 divasiy talimnu aayojan karayu	Public App	01
	Krushi vigyan kendr waghai pashupalan talim yojai	– –	01
	Waghai kurhsi vigyan kendr na aangane agriculure dron na nidarshan nu aayoujan karavama aavyu	– –	01
	Waghai kurhsi vigyan kendr na aangane agriculure dron na nidarshan nu aayoujan karavama aavyu	Zatpat News	01
	Waghai talukana vankan khate krushi vigyan kendr dvara talimanu aayoujan	Surat Mitara	01
	Vankan game kurshi vigyan kendra dvara ambana paak ne laine talimnu aayoujan karavama aavyu	Public App	01
	Waghai KVK ma pashupalan vishay ange tran divasiy talim Azolano upyog thi danno kharch ghatadi utpadan thaki vadhu aavak male	Divya Bhaskar News	01
	Waghai krushi vigyan kendra khate pashupalan vishayk upar tran divasiy talim yojavama aavi	Gujarat Satta	01
	Waghai talukana vankan khate krushi vigyan kendr dvara talimanu aayoujan	Nyaya Darshan	01
	Waghai krushi vigyan kendra khate pashupalan vishayk upar tran divasiy talim yojavama aavi	Ptatinidhi News	01
	Waghai krushi vigyan kendra khate pashupalan vishayk upar tran divasiy talim yojavama aavi	Vasalyam Samachar	01
	Waghai krushi vigyan kendra khate pashupalan vishayk upar tran divasiy talim yojavama aavi	Public App	01
	Waghai krushi vigyan kendra khate pashupalan vishayk upar tran divasiy talim yojavama aavi	Vasalyam App (Dhunt)	01
	Waghai khate vishv Mahila dine aatmnirbhar banavani pratigya	Nyaya Darshan	01

	Waghai khate Antararastriya Mahila divasni ujavani karai	You Tub Chanal	01
	Dananao neturel color have aakha Gujarat rajyma prashidhdhi melavase	Vasalyam Samachar	01
	Waghai krushi vigyan kendra dvara pashuoma khorak ane dhas-charaa na vyavsthapan angeni talim yojai	Vasalyam App	01
	Waghai krushi vigyan kend khate rasayan mukt holi na rango banvavani vyavsayik talim aapavama aavi	Zatpat News	01
	Krushi vigyan kendr wagahi dvara Chichond khate suranni prakruit kheti padhdhti vishayak talim yojai	Vasalyam App	01
	Chichond khate suranni prakruit kheti padhdhti vishayak talim yojai	City Today	01
	Krushi vigyan kendr wagahi dvara Chichond khate suranni prakruit kheti padhdhti vishayak talim yojai	Vasalyam Samachar	01
	Krushi vigyan kendr wagahi dvara Chichond khate suranni prakruit kheti padhdhti vishayak talim yojai	Satya Day	01
	Chichond khate suranni prakruit kheti padhdhti vishayak talim yojai	Nyaya Darshan	01
	Dang jillana ketalak vistaraoma tarikh 8 ane 9 marchna roj varasadani sambhavana vyakt karai	Public App	01
	Waghai krushi vigyan kendrama krushi uni.vechaan kenrdrano prarambh karavama avyo.	Divya Bhaskar News	01
	Waghaina krushi vigyan kendr khate "krushi univarsity vechan kendr" no subharbh	Nyaya Darshan	01
	Khedutona samay ane hundiyamanani bachat thase: krushi univarshityna kulapati	Sandesh news	01
	Waghai khate krushi univrsity dvara vechan kendrano shubharbh	Pratinithi News	01
	Waghaina krushi vigyan kendr khate "krushi univarsity vechan kendr" no subharbh karayo	Vasalyam Samachar	01
	Waghaina krushi vigyan kendr khate "krushi univarsity vechan kendr" no subharbh karayo	Zatpat News	01
	Waghaina krushi vigyan kendr khate "krushi univarsity vechan kendr" no subharbh karayo	Vartman Pravah News	01
	Waghaina krushi vigyan kendr khate "krushi univarsity vechan kendr" no subharbh karayo	Public App	01
	Wagahi khate yojayel krushi mela ane kishan bhagidari-prathamikta hamari krykramne laine Dr.J.B.Dobariya e pratikriya aapi	Public App	01
	Wagahi khate yojayel krushi mela ane kishan bhagidari-prathamikta hamari krykramne laine Dr.J.B.Dobariya e pratikriya aapi	Public You Tube Chenal	01
	Waghai khate krushi mela ane "Kishan bhagidari prathamikata hamari" kharykramnu aayojan	Dabakaar News	01
	Waghai khate krushi mela ane "Kishan bhagidari prathamikata hamari" kharykramnu aayojan	Nyaya Darshan	01

	Waghai khate krushi mela ane "Kishan bhagidari prathamikata hamari" kharykramnu yojayo	Zatpat News	01
	Waghai khate krushi mela ane "Kishan bhagidari prathamikata hamari" kharykramnu	– –	01
	Malinno mahenatkash yuvan majurmathi malik vabyo	City Today	01
	Madhmitha taraboochni aadhunik kheti apanavai 80 divasma 8 lakhno nafo melavto dangno khedut	Daman Ganga	01
	Dangana khedute aadhunik kheti apanvai 80 divasma 120 tan taraboochno pak lani 8 lakhno nafo melavyo	Divya Bhaskar News	01
	Madhmitha taraboochni aadhunik kheti apanavai 80 divasma 8 lakhno nafo melavto dangno khedut	Janadesh News	01
	Malinno mahenatkash yuvan majurmathi malik vabyo	Kamalam Dainik	01
	Malinno mahenatkash yuvan majurmathi malik vabyo	Lokarpan News	01
	Taraboochni aadhunik kheti apanavai 80 divasma 8 lakhno nafo melavto Dangi khedut	Sandesh news	01
	Malin gamana yuva khedut Bivasene 4 hekatarma matr 80 divasni taraboochni kheti kari 8 lakhano nafo kari kheduto mate preranasrot banyo	Saty Day Dainik News	01
	Malinno mahenatkash yuvan majurmathi malik vabyo	Public App	01
	Malin gamna yuvane kari tarbuchni kheti	Public app	01
	Prajapati Harshadbhai , vaigyanik,bhagayat (tarbuch ni kheti padhdhti)	Public App	01
	Dang jillana malin gamno mahenatkash yuvan majurmathi malik banyo	Vastalya news	01
	Dangma marchana pakma khot khadha bad, Amba kalmma nafo raline betho thato yuvan	Daman Ganga Times	01
	Korona Kalni Khotne krushi vigyan kendra waghaina margdarshanthi sarbhar karato godadiyano sahasik khedut	Janadesh News	01
	Korona Kalni Khotne krushi vigyan kendra waghaina margdarshanthi sarbhar karato godadiyano sahasik khedut-Hasamukh Bagul	Zatpat News	01
	Korona Kalni Khotne krushi vigyan kendra waghaina margdarshanthi sarbhar karato dodadiyano sahasik khedut	City Today	01
	Korona Kalni Khotne krushi vigyan kendra waghaina margdarshanthi sarbhar kari Ambana kalamni khetie godadiyano khedutni dasha ane disha badali	Divya Bhasakar	01
	Amba kalmmo uchherine lakhono nafo ralato godadiyano sahasik khedut	Sandesh News	01
	Korona Kalni Khotne krushi vigyan kendra waghaina margdarshanthi sarbhar karato dodadiyano sahasik khedut	Nyaya Darshan	01
	Korona Kalni Khotne krushi vigyan kendra waghaina margdarshanthi sarbhar karato dodadiyano sahasik khedut	Satya Day Dainik News	01
	Amba kalmmo uchherine lakhono nafo ralato godadiyano sahasik khedut	– –	01

	Ambana Kalani khetie godadiyano khedutni dasha ane disha badali	Gujarat Raksha News	01
	Godadiya gmano yuvane krushi vigyan kendrna margdarshanthi sarbhar karato godadiyano sahasik khedut ange bagayat vaigyanik Harash Prajapatri ye pratikriya aapi	Public App	01
	Korona Kalni Khotne krushi vigyan kendra waghaina margdarshanthi sarbhar karato dodadiyano sahasik khedut	You Tub Chenal	01
	Waghai krushi kendra khate Agri Stall nu Prarambh	You Tub Chenal	01
	Krushi vigyan kendra waghaina margdarshan thi sarbhar karato godadiyano sahasik khedut	Gujarat Raksha News	01
	Godadiyano gamana yuvane kurshi vigyan kendrana margdarsanthi aamba kalam taiyar kari any mate banya prarana	Public App	01
	krushi vigyan kendra waghai khate Agri stol vishe vaigyanik pak uptadak Dr.Pratik javiya ye mahiti aapi	Public App	01
	Korona Kalni Khotne krushi vigyan kendra waghaina margdarshanthi sarbhar karato godadiyano sahasik khedut ange bagayat vaigyanik - Harshad A. Prajapati	Gramin Tody App	01
	Prakurit kheti ange vankan gamana khedut manubhai ye aapi mahiti	Public App	01
	Dang jillana Jamalapada prathamik shala khate bhumi suoposhan ane kheti pak jagruti sibir yojai	Public App	01
	Dangna kheduto Dharuvadiya banavi shak-bhajina dharu na uchher dvara melavi rahiya chhe aavak	You Tub Chenal	01
	Dang Jillama aadar pratha ne laine vaigyanik pak uptadak Dr.Pratik javiya ye mahiti aapi	Public App	01
	Jillama panini samasyane nivarava mate shu kari shakay te mate waghai khatethi Dr.Pratik javiya ye janavyu	Public App	01
	Krushi vigyan kendra khate garib kalyan samelan karykram yojayo	Public App	01
	Krushi vigyan kendra khate garib kalyan samelan karykram yojayo	SamayKranti Video News	01
	Dang jillana mukhy mathak Ahwa ane Waghai khate yojayel "Garib Kalyan samelan" 1100 lokoye labh lidho.	Dhabakar News	01
	Dangma Ahwa tatha Waghai khate yojayel Garib kalyan samelano	Nayan Darsan	01
	Dang jillana mukhy mathak Ahwa ane Waghai khate yojayel "Garib Kalyan samelan" 1100 lokoye labh lidho.	Zatpat News	01
	Krushi Vigyan Kendr,campusma Azadi ka amrut mahotsav garib kalyan melanu aayoujan karyayu	Publick App	01
	Krushi Vigyan Kendr, Waghai khate yog divasni ujavani karai	Gujarat Raksha App	01
	Krushi Vigyan Kendr, Waghai khate yog divasni ujavani karai	Publick App	01
	Krushi Vigyan Kendr, Waghai khate yog divasni ujavani karai	Dhabakar News	01
	Dangana pragatishil khedut Jayeshbhai Mokashine Aoushadhiya pakam best enovetiv farmars award	Divya Bhasakar	01

	Dang Jillana khedutne safed musalini kheti mate best Innovetive farmars award	Gujarat Gardriyan	01
	Dang jillana khedutane Rastriya kaskhanao Best Innovetive farmars award melavyo	Dunt App	01
	Dangana pragatishil khedut Jayeshbhai Mokashine Aoushadhiya pakam Best Innovetive farmars award	Nyaya Darshan	01
	Krushi vigyank kendr, waghai(Dang)na mrgdarshan thi dangana khedrute jubagadh khate Best Innovetive farmars award melavyo	Public App	01
	madhmakhi palan vishe krushi vigyan kendrana bagayat vaigyanik harshad prajapati e pretikriya api	Public App	01
	Krushi vigyan kendr Waghai dvara khedtuto jog suchana apayi	Puplica App	01
	Krusi vigyan kendr vaghai khate **94th ICAR Foundation Day** *ni Ujavani karavama aavi*	Vatsalya Samachar	01
	Dangma aagami 5 divase thae halavo varasad kheduto mate krushi salah	– –	01
	Tuverni jaivik kheti Organic farming of pigeon pea tuver ni jaivk kheti/cultivation of pigeon pea	You Tub Chanal	01
	Krishi Darshan - Jaivik Khatarono Upayog Ane Tenu Mahatva	You Tub Chanal	01
	Dangma aagami 5 divase thae halavo varasad kheduto mate krushi salah	Zatpat News	01
	Dangma aagami panch divase thae halavo varasad kheduto mate krushi salah	Divya Bhasakar	01
	Dangma aagami panch divase thae halavo varasad kheduto mate krushi salah	Jandadesh	01
	Krushi Vigyan Kendr, Waghai khate yog divasni ujavani karai	Publick App	01
	Kisanbhaio davara iKhedut Portal pr aavedan karane ki vidhdhi	You Tub Chanal	01
	Dangana Zavada game khetini navintam technology apanavava karykaram yojayo	Dhabakar Pratinithi	01
	Waghai talukana bhadarpada gam khate sajiv tatha prakrtik kheti ange talimanu aayoujan karavama aavyu	Gujarat Raksha App	01
	Dangana : Waghaina Zavada game chomasu paakoni jalavani angeni talim yojai	Madan Vaisnav samachar	01
	Dangana : Waghai talukana Bhadarpada game sajiv tatha prakruitk kheti angeni talim yojai	Vatsalya Samachar	01
	Waghai talukana Bhadarpada game kahte sajiv tatha prakruitk kheti angeni talim yojai	Zatpat News	01
	Waghai : Krushi kendra khate mantri shri Nareshbhai patelni adhyaxtama yojai prakrutik krushi vishyk khedut shibir	Vatsalya samachar	01
	Ahwa : prakrutik krushi vishyk khedut shibiri yojvama avi	Nyaydarshn	01
	Nagli ane teni vividh banavto lokona aarthik utthanma khub ja mahatvno falo aapi shke :kulpati	Divya bhaskar	01
	Dang:Krushi vigyan kendr Waghai dvara nyutrishn ane tri planteshn par jagruti karkram yojai	Vatsalya samachar	01
	Waghai krushi vigyan kendra khate PM	Dhabakar	01

	Kisan Samman atargat khedut shibir yojai		
	Waghai krushi vigyan kendra khate " khedut shibir" yojai	Nyaydarshn	01
	Waghai krushi vigyan kendra khate PM Kisan Samman samelan atargat khedut shibirnu ayojan karvama aayvu	Zatpat	01
	Waghai krushi vigyan kendra khate dvara swachhatani ujavani karavama aavi	Dhabakar	01
	Waghai krushi vigyan kendra khate dvara swachhatani ujavani karavama aavi	Nyaydarshn	01
	krushi vigyan kendra waghai khate jamin divasni ujavani karai	Public App	01
	Dang jillama tarikh 13 ane 14 december 2022 na roj chhuta chhvaya vistaraoma varadad padavani sambhavana vyakt karai	Public App	01
	Jillama tarikh 15 thi 17 darmiyan varsdad aavavani sambhavana vyak karai	Public App	01
	Krushi Univ.ni spardhama 175 karmicharioe bhag lidho	Divya bhaskar	01
	Krushi vigyan kendra dvara khedutone salah aapai	Public App	01
	Jillama aagami 4 divasma kamosmi varsadni aagahinana sandarbhe khedutone jog apil	Public App	01
	Sati gam khatethi Krushi vigyan kendrana vaigyan kenra dvara Technology saptahnu aayojan karayu	Public App	01
	Waghai krushi vigyan kedra khate khedutone prakrutik kheti vishayak margdarshan aapayu	Dhabakar News	01
	Dan jilla kalecter jadejae waghai khate Dhanvanrari aarogy rathne lili zandi aapi	Nyaydarshn	01
	Waghai(Dang) khate technology saptahna ujavanina bhag rupe prakrutik kheti vishayk margdarshan	Saty Day	01
	Krushi vigyan kendrana vaigyanik ane vada j.b.dobariya ye sati gam khatethi Technology week ange aapi mahiti	Public App	01
	Waghai krushi vigyan kedrama prkrutik kheti vishayak margdarshan aapayu	Sandes News	01
	Sati gam khatethi Krushi vigyan kendrana vaigyan kenra dvara Technology saptahnu aayojan karayu	Public App	01
	Krushi vigyan kendranana Technology saptah 5ma divasna padhdhti nidarshan dvara khedutone prakrutik uptadako banavavani talim	Public App	01
	Dang Waghai Krushi vigyan kendr khate khedutone prakrutik kheti angenu vistrut margdarshan aapayu	Vatsalya samachar	01
	Dang Waghai Krushi vigyan kendr dvara sati game khate Technology saptahna 3 divasni ujavani karai	Vatsalya samachar	01
	Waghai KVK dvara yojayel Techology Saptah aagal vadhe che	Zatpat News	01
	Kheti ochha khareche saru-gunvatayukt utpadanni mahiti khedutone apaay	Divya bhaskar	01
	Krushi vigyan kedra, Waghai Davara sati gam khate Technology Saptahna 3 divasni ujavani karai	Janadesh News	01
	Waghai khate Technology saptah 2 divse ni ujavanima prakrutik kheti vishayak	Nyaydarshn	01

	margdarshan		
	Sati gam khate technology saptahna 3 divasni ujavani karai	Samana News	01
	Sati gam khate technology saptahna 3 divasni ujavani karai	Sadesh News	01
	Waghai krushi vigyan kedra, waghai dvara sati gam khatetechnology saptahna 3 divasni ujavani karai	Saty Day	01
	Waghai krushi vigyan kedra, waghai dvara sati gam khatetechnology saptahna 3 divasni ujavani karai	Surat Dhvani	01
	Krushi vigyan kendra khate KISAN DAY ni ujavani karavama aavi	Public App	01
	Krushi vigyan kendr dvara sati gamna khedutone talim aapvama aavi	Public App	01
	KVK dvara Chichond game khate krushi pradharsh yojayu	Public App	01
	Waghai krushi vigyan kendr, wahai khate KISAN DAY ni ujavani karavama aavi	Nyaydarshn	01
	Badalata samayma badalati krushi technology apanavava anudodh	Divya bhaskar	01
	Krushi vigyan kendrana vaigyanik harshad prajapati ae sati gam khatethi kitchen garden ange mahiti api	Public app	01
Technical bulletins	-	-	-
Popular articles	*Tarbuchmaa paankoriyanu sankalit niyantran*	Krushi prabhat	01
	Khetima Mobilelno Upyog ane Krushi Sambhadhit Apps	Krushi Govidya, March 2022, Ank 11, Salang Ank 887	01
	Haldar ni vaigyanik kheti padhdhti	Krushi Jivan	01
	Samay avi gayo chhe aadarna anadarno	Chitralekha Gujarati	01
	Dangarma Dharuvadiyanu vyavsthapan	Krushi Prabhat	01
	Dangarni khetima dharuvadiyani taiyari vishe upayogi mahiti	Krushi Prabhat	01
	Dangarni khetima piyat ane posan vyavsthapan	Krushi Prabhat	01
	How to prepare Bordeaux mixture and bordeaux paste	Krushi Go Vidhya	01
	Nagli-Vari ni sendriya kheti padhdhati	Krushi Jeevan	01
	Bantini sudhareli kheti padhdhti	Krushi Jivan	01
	Halka dhany pakoma poshaktatv ane muluvrudhdhi	Krushi Jivan	01
	Nagli/Vari ni bhalamano	Krushi Jivan	01
	Vari ni sudhareli kheti padhhati	Krushi Jeevan	01
	Karelana pakma rog jeevat niyantran	Krushi Prabhat	01
	Chana na rogo nu jaivik niyatran	Krushi Prabhat	01
	Kodarani sudhareli kheti padhati	Krushi Jivan	01
	Dangarma dharuvadiyanu vyavsthapan	Krushi Jivan	01
	Aambama aniyamit falta ek moti samsaya ane tenu yogy nivaran	krishi prabhat	01
	Kodarani sudhareli kheti padhati	Krushi Jivan	01
	Navintam kheti mate talimni agtyata	Krushi prabhat	01
	Greenhouse ma tametani vaigyanik kheti padhdhti	Krushi Jivan	01
	Strawberry ni vaigyanik kheti padhdhti	Krushi Jivan	01
	Ganthdar Chamdino rog	Krushi Jivan	01
	Ambama aniyamit falta ake moti samaya ane tenu yogy nivaran	Krishi prabhat	01
	Pashuoma prathamik sarvar agatynu pashu	krishi prabhat	01
Extension literature	*Paak avsheshnu yogy vyvasthaapan*	Krishi Vigyan Kendra, NAU, Waghai	01

	Gajar ghas nu jaivk padhdhti dvaraa niyantan	Krishi Vigyan Kendra, NAU, Waghai	01
	Badalaataa havaamanni jivato pau asar	Krishi Vigyan Kendra, NAU, Waghai	01
	Prakrutik khetima poshanchakra ane tema desi alsiyanu mahatv	Krishi Vigyan Kendra, NAU, Waghai	01
	Prakrutik khetima achchaadananu mahatv ane fayada	Krishi Vigyan Kendra, NAU, Waghai	01
	Prakrutik khetima rog-jivat niyantran	Krishi Vigyan Kendra, NAU, Waghai	01
	Karelamaa rog-jivat niyantran	Krishi Vigyan Kendra, NAU, Waghai	01
	Karelani prakrutik kheti padhdhti	Krishi Vigyan Kendra, NAU, Waghai	01
	Shakbhaajine kheti-prakrutik abhigam thaki	Krishi Vigyan Kendra, NAU, Waghai	01
	Ambani prakruitk kheti	Krishi Vigyan Kendra, NAU, Waghai	01
	Stroberry ni vaigyanik kheti padhdhti	Krishi Vigyan Kendra, NAU, Waghai	01
	Poshaktatvonee khamee olakhavaanee chavio	Krishi Vigyan Kendra, NAU, Waghai	01
	Chanani vaigyanik kheti padhdhti ane teni sudhareli jato	Krishi Vigyan Kendra, NAU, Waghai	01
	Dragon fruit (kamalam falni) vaiguanik kheti	Krishi Vigyan Kendra, NAU, Waghai	01
	Achchhaadan dvaaraa khetima nindan niyantran	Krishi Vigyan Kendra, NAU, Waghai	01
TOTAL			**440**

C. Details of Electronic Media Produced

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

D. Details of Social Media Platforms Created / Used

S. No.	Type of social media platform	No of events (uploaded video/post/story etc.	Title of social media	Number of Followers/ Subscribers
1	YouTube Channel (no of video uploaded)	**32**	**KVKWaghai youtube**	**2215**
2	Facebook page/ Account (no of Post)	**-**	**-**	**-**
3	Mobile Apps	**-**	**-**	**-**
4	WhatsApp groups	**03**		**370**
5	Twitter Account	**01**	**KVK, Waghai, NAU(The Dangs)**	**58**
6	Any other (Pl. Specify)	**-**	**-**	**-**

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

Success Story-1

Cultivation of new high-yielding variety of green gram became popular among the farmers of Dang district

P. P. Javiya, S. N. Chaudhari, B. M. Vahunia, S. A. Patel, J. B. Dobariya & H. A. Prajapati

In India, green gram, also known as mung bean or moong, is a plant species in the legume family with the scientific name *Vigna radiate* L. Its principal place of origin is India, and it is primarily grown in East Asia, Southeast Asia, and the Indian subcontinent. It is the third important pulse crop farmed in India, making up approximately 16% of the nation's total pulse acreage. It has 20–25% protein-rich seeds, and occasionally, plants are chopped down and ploughed into the ground to increase the nitrogen content of the soil.

India is the world's top producer of green gram, and it is grown in practically every State. It is farmed on around 4.5 million hectares, producing 2.5 million tonnes at a productivity of 548 kg/ha, accounting for 10% of the world's production of pulses. The Government of India's third advance projections place the production of green gramme at 2.64 million tonnes for the years 2020–21.

1. Situation analysis/ Problem:

Green gram productivity in the dang district is low as a result of farmers' ineffective land management and usage of indigenous seed varieties. Due to this severe disease of yellow mosaic virus in indigenous and low yielding varieties seeds of green gram which ultimately affect the growth and yield of green gram. For growth and development, green gram needs line sowing and well-tended land. The crop production is ultimately decreased by improper cultivation using indigenous seeds that produce plants with fewer branches, slower growth, and severe yellow mosaic virus disease. The majority of farmers broadcasting green gram seed, which required more seed than was recommended, ultimately driving up the price of seed. Because most of the farmers are impoverished and tribal, they lack understanding about modern green gram varieties and modern agricultural practices.

2. Plan, implement and support:

The KVK team of scientists conducted a survey in the village to determine the socioeconomic position, adoption gap, and technology requirements of farmers. The village's development plan has been created for several TOT activities. The KVK scientists have filled in a number of technological gaps, including those related to farmers' awareness of new, improved varieties, sowing techniques, seed rate, and the use of organic fertilizers in green gram. Dr. P. P. Javiya, a scientist who specialises in crop production, decided to intervene on this point and given demonstration of new variety of green gram (GM 6) to the farmers. The green gram package of practices has been taught to the farmers. The KVK science team visited the farmer's field on a regular basis and guided them accordingly for various operations.

Tribal-dominated villages Sati, Gundiya, Zavda, and Bhadarpada are located 20 to 50 kilometres from Krishi Vigyan Kendra's headquarters in Waghai, Dist. Dangs. These villages' farmers have poor resources and undulating, fragmented land. The majority of farmers are marginal farmers. The farmers used their own seeds. Then the Krishi Vigyan Kendra intervened and trained the farmers of these villages about the land selection, new variety seed, seed rate, spacing, rouging of infected plant, use of organic fertilizer, harvesting and post-harvest handling of seeds and also provides seed of new variety Gujarat moong 6 (GM 6) of green gram, biofertilzer and novel organic liquid nutrient to farmers under the scheme of TSP-megaseed (B.H. 2068-B).

3. Output:

Economics:

Details of Technology	No. of Farmers /Demos	Area (ha)	Yield (kg/ha)				% Increase in yield
			Demo			Check	
			Highest	Lowest	Average		
Green gram(GM 6)	50	10	872	753	807	552	46.33

Details	No. of Farmers /demos	Area (ha)	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
			Gross	Gross	Net	CBR	Gross	Gross	Net	CBR

			Cost	Return	Return		Cost	Return	Return	
Green gram(GM 6)	50	10	20000	58127	38127	2.91	16500	39723	23223	2.41

The farmers' practices allowed them to harvest an average of 552 kg/ha of green gram, compared to the demonstration's 807 kg/ha, a 46.33 percent increase. In the demonstration green gram plot, the net profit was Rs. 38127 per hectare.

Input distribution

FLD visit at Sati

Off campus training

FLD visit at Bhadarpada

4. Outcome

As a result of intervention, Farmers now have more branches, flowering, and fruiting in the new variety of green gram (GM 6), as well as less yellow mosaic virus disease infection. Additionally, they receive more family income thanks to line sowing, the application of organic fertilizers, weeding, and other operations in accordance with scientific cultivation methods, which ultimately increased the farm family's standard of living.

5. Impact

By doing this, farmers are made aware of the significance, advantages, and productivity of the recently introduced new variety of green gram. due to the increased yield of the demonstration plots, which reached 46%. In comparison to the control plot, which had a net return of Rs. 23223/ha and a cost-benefit ratio of 2.41, the demonstrated plots' green gram yield was Rs. 38127/ha and cost benefit ratio is 291.

Success Story-2
Higher Income through watermelon cultivation in the Dang District

H. A. Prajapati, P. P. Javiya, S. N. Chaudhari, B. M. Vahunia, S. A. Patel & J. B. Dobariya

Name of farmer	Shri. YogeshbhaiBhivsen
Village	At: Malin Ta: Waghai, Dist: Dang State: Gujarat
Education qualification	9th pass
Land holding	3.0 ha

Situation Analysis/Problem Statement:

YogeshbhaiBhivsen is a farmer of village: Malin,Taluka:Waghai,District:Dangs in the Gujarat, educated up to 9th standard and having 3.0 ha land. Initially, he worked as a farm laborer in grape and onion fields in Maharashtra and somehow, they were earning their livelihood by practicing rainfed agriculture in their land. Use of the local varieties of various crops could not give the proper remuneration to Yogeshbhai. Under such situation, it was difficult to sustain economic security and standard of living of his family. Therefore Yogeshbhaiwas in search of farming system which gives a proper remuneration to his family.

Plan, Implement and Support:

By somehow, he came to know about KrishiVigyan Kendra, Dang. Shri. Yogeshbhai started to visit the KrishiVigyan Kendra in order to get proper guidance about scientific cultivation of watermeloncrops. Horticulture scientist impressed to see his keen interest in scientific cultivation of horticultural crops. The Scientist of KrishiVigyan Kendra guides him properly andtells him to grow a watermeloncrops with a scientific approach. The scientist of KVK started a series of activities *i.e.*training, scientist visit to farmer's field, *etc.,* to deal with the existing problems and observed a positive impact.Shri.Yogeshbhaiprepare the land for watermeloncultivation in his farm and decided to do a proper management of watermelon crops due to the continuous efforts of KVK.

Output:

At present Yogeshbhai has adopted scientific approach regarding the cultivation of watermeloncrop. He uses proper scientific cultivation practices as per the guidance provide by the scientists of KVK through training, demonstrations and very frequent farm visit.

After getting success, ShriYogeshbhai realizes the importance of uses of scientific cultivation practices and also motivated to other farmers by making awareness about this technology in terms of:

- ✓ 30 to 40 % water &5 to 10 % fertilizer saving with increase in their efficiency.
- ✓ Increase in yield and net profit.
- ✓ Low incidence of pest and diseases.
- ✓ Reduce the spray of Insecticide.

Diagnostic visit

Watermelon field

મલીનનો મહેનતકશ યુવાન મજુરમાંથી માલિક બન્યો

મધમીઠા તડબૂચની આધુનિક ખેતી અપનાવી ૮૦ દિવસમાં ૮ લાખનો નફો મેળવતો ડાંગનો ખેડૂત

દમણગંગા ટાઈમ્સ

(અહેવાલઃ મનોજ ખૈરાર)
આહવા, તા.૨૯ઃ મહારાષ્ટ્રની સરહદને અડીને આવેલા ડાંગ જિલ્લાના વઘઈ તાલુકાના મલીન ગામનો યુવાન, દ્રાક્ષ અને દુંગળીની વાડીમા ખેતમજૂર તરીકે મહારાષ્ટ્રના ખેતરો ખુંદતો હતો. જ્યા મર્યાદિત જમીનમા તેણે ઓછા પાણીએ આધુનિક ખેત પદ્ધતિના પરિણામે સફળતા મેળવતા ખેડૂતોને જોઈને, મનમાં જ મજૂરમાંથી માલિક બનવાનો સંકલ્પ કર્યો, અને તેને સાકાર કરવા માટે ફરી એકવાર વતનની વાટ પકડી.

મલીન ગામના યુવા ખેડૂત યોગેશ ભિવસેને ચાર હેકટરમા માત્ર ૮૦ દિવસની તડબુચની ખેતી કરીને, બધો ખર્ચ કાઢતા અંદાજિત રૂપિયા આઠેક લાખનો નફો રળીને ખેતી-બાગાયત વિભાગના અધિકારીઓ, કૃષિ કેન્દ્રોના તજજ્ઞો, અને અન્ય ખેડુતો માટે પ્રેરણાસ્રોત બન્યો છે.

આધુનિક ખેતીને સમર્થન આપતા આ યુવા ખેડુત એક મુલાકાતમા જણાવ્યુ હતું કે, પરંપરાગત ખેત પદ્ધતિમા વધુ મહેનતે પણ, જોઈએ એવુ વળતર નહીં મળવાને કારણે, ખેડુતો ખેતીથી વિમુખ થતા જાય છે. જ્યારે કૃષિ વૈજ્ઞાનિકોના માર્ગદર્શન હેઠળ, આધુનિક ખેત ઉત્પાદન ખેડૂતોને ફરીથી ખેતી તરફ વળી રહ્યા છે.

મલીન ગામે બાપદાદાની ખડકાવ, દુંગરાળ જમીનમા માત્ર ઘાસ થતુ હતુ. પરંતુ યોગેશે મહારાષ્ટ્રની દ્રાક્ષ અને દુંગળીની વાડીમા ૫/૭ વર્ષ, ઢોસો બસો રૂપિયાની મજૂરી કરતા કરતા અનુભવ્યુ, કે જો તેની બાપિકી જમીનને સુધારીને પરસેવો પાડવામા આવે, તો મજૂરમાંથી માલિક બની શકાય છે, અને આ વિચાર સાથે તેણે તેના મહારાષ્ટ્રીયન શેઠ પાસેથી દસ હજાર રૂપિયા ઉધાર ઉછીના લઈ, મલીનની વાટ પકડી. શરૂઆતમા જમીન સુધારણા સાથે એક ગાય લઈ પશુપાલનને પણ સાથે રાખી, રાતદિવસ પરિવારજનો સાથે કાળી મજૂરી કરીને, તેણે એકમાંથી સાત ગાયો કરી. પોતાની જમીનમા ડાંગર, ચણા, અને રીંગણાની પરંપરાગત ખેતીને સ્થાને પ્લાસ્ટિક મલ્ચિંગ, ડ્રીપ ઈરીગેશન જેવા નવા આયામો ઉમેરી, ઓછા પાણીએ ચાર હેકટરમા તડબુચ કરીને, સફળતાના બીજનુ વાવેતર કર્યુ.

૪૩ ડિગ્રી તાપમાન વચ્ચે પોતાના મલીનના ખેતરમા ચર્ચા કરતા યોગેશ ભિવસેને જણાવ્યુ કે, આહવાની ખેતીવાડી અને બાગાયત કચેરી સાથે, વઘઈના કૃષિ વિજ્ઞાન કેન્દ્રના તજજ્ઞોના માર્ગદર્શનને કારણે, તેણે મલીનમા ચાર હેકટર જમીનમા તડબુચની ખેતી કરીને માત્ર ૮૦ દિવસમાં જ ૧૨૦ ટનથી વધુ તડબુચનો પાક લણી લીધો, જેને ૧૧ હજાર રૂપિયાના ભાવે વેપારીઓ દ્વારા ખેતર બેઠા ખરીદી લેવાયા. આજે યોગેશ પોતે તો તડબુચની ખેતી કરે જ છે, પણ સાથે આસપાસના ગામોના ખેડૂતોને પણ આ માટે તૈયાર કરી, રોકડીયા પાકથી પ્રગતિ તરફ વળી રહ્યા છે.

મલીન ગામના યોગેશભાઈ ભીવસેન તરફથી આધુનિક ખેતી પદ્ધતિ કરવા માટે ખુબ સારી રીતે સફળ રહ્યા છે, તેમ જણાવતા શ્રી પ્રજાપતિએ, તડબુચના ખેતરમા ટપક પધ્ધતી, પ્લાસ્ટિક મલ્ચીંગ, અને ફર્ટિગેશન એ ત્રણેનો સુમેળ સાધી, સાહ એવુ ઉત્પાદન આ વર્ષે તેમણે લીધુ છે, તેમ જણાવ્યુ હતુ.

ડાંગ જિલ્લાના ખેડુતો તડબુચની ખેતી પદ્ધતિમા ઉત્તરોત્તર પ્રગતિ કરતા રહે, એ માટે કૃષિ વિજ્ઞાન કેન્દ્ર-વઘઈ દ્વારા, વિવિધ વિસ્તરણ પ્રવૃત્તિઓ જેવીકે ક્ષિત્ર વિઝીટ, ડાયગ્નોસ્ટીક વિઝીટ, નિદર્શનો તથા વિવિધ તાલીમો દ્વારા ખેડુતોને સતત માર્ગદર્શિત કરવામાં આવી રહ્યા છે. સાથે ખેડુતોને વિવિધ પાકોની પુરતી માહિતી પણ સતત પુરી પાડવામા આવતી હોય છે, તેમ પણ તેમણે ઉમેરુ જણાવ્યુ હતુ.

ખેતીની આવકના પૈસા, ખેતીમા જ રોકીને ખેતીનો આધુનિક વિકાસ કરવાની નેમ સાથે, ખેતી અને પશુપાલનને એક આધુનિક વ્યવસાય તરીકે અપનાવી, પોતાની બાપદાદાની મહેનતમજૂરીની જમીનને ફિયત બોગસ, જેવા યુવાનો અન્યો માટે પ્રેરણા બન્યા છે.

ડાંગ જિલ્લાનાં મલીન ગામનો મહેનતકશ યુવાન મજૂરમાંથી માલિક બન્યો

● વાત્સલ્યમ્ સમાચાર
● મદન વૈષ્ણવ ડાંગ

મહારાષ્ટ્રની સરહદને અડીને આવેલા ડાંગ જિલ્લાના વઘઈ તાલુકાના મલીન ગામનો યુવાન, દ્રાક્ષ અને દુંગળીની વાડીમા ખેતમજૂર તરીકે મહારાષ્ટ્રના ખેતરો ખુંદતો હતો. જ્યા મર્યાદિત જમીનમા તેણે ઓછા પાણીએ આધુનિક ખેત પદ્ધતિના પરિણામે સફળતા મેળવતા ખેડૂતોને જોઈને, મનમાં જ મજૂરમાંથી માલિક બનવાનો સંકલ્પ કર્યો, અને તેને સાકાર કરવા માટે ફરી એકવાર વતનની વાત પકડી.

મલીન ગામના યુવા ખેડૂત યોગેશ ભિવસેને ચાર હેકટરમા માત્ર ૮૦ દિવસની તડબુચની ખેતી કરીને, બધો ખર્ચ કાઢતા અંદાજિત રૂપિયા આઠેક લાખનો નફો રળીને ખેતી-બાગાયત વિભાગના અધિકારીઓ, કૃષિ કેન્દ્રોના તજજ્ઞો, અને અન્ય ખેડુતો માટે પ્રેરણાસ્રોત બન્યો છે.

આધુનિક ખેતીને સમર્થન આપતા આ યુવા ખેડુત એક મુલાકાતમા જણાવ્યુ હતું કે, પરંપરાગત ખેત પદ્ધતિમા વધુ મહેનતે પણ, જોઈએ એવુ વળતર નહીં મળવાને કારણે, ખેડુતો ખેતીથી વિમુખ થતા જાય છે. જ્યારે કૃષિ વૈજ્ઞાનિકોના માર્ગદર્શન હેઠળ, આધુનિક ખેત ઉત્પાદન ખેડૂતોને ફરીથી ખેતી તરફ વળી રહ્યા છે.

મલીન ગામે બાપદાદાની ખડકાવ, દુંગરાળ જમીનમા માત્ર ઘાસ થતુ હતુ. પરંતુ યોગેશે મહારાષ્ટ્રની દ્રાક્ષ અને દુંગળીની વાડીમા ૫/૭ વર્ષ, ઢોસો બસો રૂપિયાની મજૂરી કરતા કરતા અનુભવ્યુ, કે જો તેની બાપિકી જમીનને સુધારીને પરસેવો પાડવામા આવે, તો મજૂરમાંથી માલિક બની શકાય છે, અને આ વિચાર સાથે તેણે તેના મહારાષ્ટ્રીયન શેઠ પાસેથી દસ હજાર રૂપિયા ઉધાર ઉછીના લઈ, મલીનની વાટ પકડી. શરૂઆતમા જમીન સુધારણા સાથે એક ગાય લઈ પશુપાલનને પણ સાથે રાખી, રાતદિવસ પરિવારજનો સાથે કાળી મજૂરી કરીને, તેણે એકમાંથી સાત ગાયો કરી. પોતાની જમીનમા ડાંગર, ચણા, અને રીંગણાની પરંપરાગત ખેતીને સ્થાને પ્લાસ્ટિક મલ્ચિંગ, ડ્રીપ ઈરીગેશન જેવા નવા આયામો ઉમેરી, ઓછા પાણીએ ચાર હેકટરમા તડબુચ કરીને, સફળતાના બીજનુ વાવેતર કર્યુ.

૪૩ ડિગ્રી તાપમાન વચ્ચે પોતાના મલીનના ખેતરમા ચર્ચા કરતા યોગેશ ભિવસેને જણાવ્યુ કે, આહવાની ખેતીવાડી અને બાગાયત કચેરી સાથે, વઘઈના કૃષિ વિજ્ઞાન કેન્દ્રના તજજ્ઞોના માર્ગદર્શનને કારણે, તેણે મલીનમા ચાર હેકટર જમીનમા તડબુચની ખેતી કરીને માત્ર ૮૦ દિવસમાં જ ૧૨૦ ટનથી વધુ તડબુચનો પાક લણી લીધો, જેને ૧૧ હજાર રૂપિયાના ભાવે વેપારીઓ દ્વારા ખેતર બેઠા ખરીદી લેવાયા. આજે યોગેશ પોતે તો તડબુચની ખેતી કરે જ છે, પણ સાથે આસપાસના ગામોના ખેડૂતોને પણ આ માટે તૈયાર કરી, રોકડીયા પાકથી પ્રગતિ તરફ વળી રહ્યા છે.

Press release

Outcome:

Due to adoption of scientific cultivation practices, his constant effort and hard work and timely support from KVK & NGOs and another line department, he could achieve very impressive growth in scientific cultivation of watermelon crops.Press media also note down his efforts towards the watermelon crop cultivation.

Impact

Before kvkinterventationshriYogeshbhaiworked as a farm laborer in other state and grow only traditional crops like Paddy and Gram.Yogeshbhai'snet woth per annum is hardly Rs50000.00 toRs.150000.00 (approx.) and after kvk intervention his net worth per annum is 5.00 to 8.00 lakh(approx.).

Sr. No.	Crop name	Production (t)	Area (ha)	Cost of cultivation (Rs.)	Gross return (Rs.)	Net return (Rs.)
Year : 2021						
1.	Waterемlon	87.5	2.5	175000	700000	525000
Year : 2022						
2.	Waterемlon	120	4.0	280000	1100000	820000
Year : 2023						
3.	Waterемlon	100	3.0	210000	650000	440000

For the success of watermelon cultivation in tribal areas he believes that it is due to intensive guidance provided by the Scientist Mr. H.A.Prajapati. This impressive result of scientific cultivation turned Yogeshbhaifrom poor farmer to happy progressive farmer. The success of watermelon cultivation in resource poor areas is a unique example to generate the employment as well as empower the tribal economy in the country.

Success Story-3

Increase standard of living by Mushroom cultivation

B. M. Vahunia, S. A. Patel, J. B. Dobariya, H. A. Prajapati, P. P. Javiya, & S. N. Chaudhari

1. Situation analysis/ Problem:

Mushrooms are gradually becoming popular as they are rich in minerals, vitamins, very low on fat and sugar. They are good source of protein and contain many essential amino acids. It is also known to have medicinal value and certain varieties of mushrooms can inhibit growth at cancerous tumor. Mushroom production is labour and management intensive. There is ample scope for mushroom industry to thrive successfully and can become a lucrative business for the unemployed rural youth, self-help groups, farm women who are in search of viable activities which are promising and giving good returns and an additional income source for the farmer. Mushroom cultivation can effectively utilize the agro residues for production of protein rich food and plays crucial role in management of agro residues. Mushroom cultivation is an eco-friendly activity, as it utilizes the wastes from agriculture which are available in huge quantities in every corner of the state and in turn produces fruiting bodies with excellent nutritional and medicinal attributes.

In dang district, production of mushroom is very low and many times attack of pest and disease faced by farmers. Due to sever problem in cultivation practices affect the growth and yield of mushroom. Improper sterilization and inappropriate mushroom unit ultimately reduce the yield. Most of the farmers are tribal and resource poor, so they have not knowledge regarding scientific cultivation practices of mushroom.

2. Plan, implement and support:

The team of KVK scientists had made survey of the village to identify the adoption gap and technological needs of farmers as well as their socio economic status. The development plan of village for various TOT activities has been prepared. Among various technological gaps, the KVK scientists have worked out the gap regarding preparing mushroom unit, cutting of straw, day by day activity because if mushroom spawn are not filled within week than chances of growing deformed mushroom are more. The scientist, Mr. Bipin M. Vahunia, (Plant Protection) decided to intervene on this point and given demonstration of mushroom to the farmers.The team of KVK scientist made frequent visits of the farmer's field and guided them accordingly for various operations.

	Activity	**Bebeficiary**
Mushroom kit	Adaptive trail FLD	38 Farmers (Sajupada, Chinchod, Rajendrapur, Dokpatal)
Training	5 Days Vocational Training	20 Farmers of chinchod
	1 day Training	18 Farmers of sajupada, Rajendrapur, dokpatal
	1 off campus Training	30 farmers of dang district
Extention activity	Different extension activities like method demonstration , visit mushroom unit, phone calls, whats up message etc are carried out during this time.	

3. Output:

Economics:

Details	No. of Farmers /demos	Demonstration	Economics of demonstration (Rs./ha)			
			Gross Cost	Gross Return	Net Return	CBR
Oyster Mushroom	38 (5 kg / farmer)	10kg/1kg spawn	300	1600	1300	5.38

Farmer practices result in inconsistent and perhaps nonexistent yield. Lack of information and improper handling techniques increase the likelihood of failure. However, after ongoing monitoring, our KVK gave farmers training and demonstrations, and they now receive 10kg of output for every kg of spawn planted. After investing 300, the net benefit was 1300, making the CBR 5.38.

Off campus training

visit

Kit distribution

visit

4. Outcome

Initially they used to prepare 20-30 kg of mushroom per month. After training and guidance from our KVK, she is now producing 130-140 kg of mushroom per month. Now she is selling fresh mushroom both locally and preparing powder from mushroom and try to sell them too. They expand their mushroom cultivation after getting proper guidance.

5. Impact

Now, a few of the farmers among them have begun to sell fresh mushrooms at melas held by governmental and non-governmental organizations. To begin with, they trained several SHG members. Three to four members began producing mushrooms on a modest scale after receiving guidance from her.

Success Story-4

Dairy Industry: A regular income generating business for tribal farmer

S. A. Patel, J. B. Dobariya, H. A. Prajapati, P. P. Javiya, S. N. Chaudhari & B. M. Vahunia

Situation Analysis/Problem Statement

Govindbhai Babajubhai Machhi is a farmer of Village- Uga-chichpada, Taluka-Waghai, District-Dangs in Gujarat, educated up to 10th standard and having 2.2 Acre of land. His wife is a housewife. He has 45 year experience in farming. They have Two children. Somehow, they were earning their livelihood by practicing rain fed agriculture in their land. He was growing local and old varieties of Paddy, Ragi and Ground nut during Kharif season. He had two bullocks, 2 cows of local origin and 1 Crossbreed cows. These animals were a burden rather than a source of income due to the meagre productivity; however the bullocks were used for the agricultural operations. Under such situation, it was difficult to sustain economic security and standard of living of his family. Therefore, he was in search of some alternate sources of income.

Govindbhai Babajubhai Machhi and his wife
Village: Uga-chichpada, Taluka-Waghai, District Dangs -394 730 (Gujarat)
Education: 10th., Size of Land holding: 2.5 Acre

Plan, Implement and Support

By some sources, he came to know about some welfare schemes for tribal. First of all he visited a co-operative dairy & Progressive farmers in a nearby village and he also decided to extended & good mange co-operative dairy in his village. But for that he has to convince his villagers.

Meanwhile his village, Uga-chichpada was adopted by KVK of the district. A series of animal husbandry activities like meetings, trainings, kisan gosthis, field visits, Diagnostic visit, Farmer scientist interaction, Film show and visit to a dairy co-operative has been started by KVK scientists. Govindbhai B. Machhi and other interested farmers had purchased HF cross-bred cow. They also good mange co-operative dairy.

As cross bred cow was a new enterprise for them, they often faced so many troubles for proper guidance. In the beginning he was not able to maintain the proper health of his animals. He started to visit the KVK in order to get the guidance for maintaining the dairy animals. Animal scientist of KVK was impressed to see his keen interest in dairy farming. KVK scientist noted that the farmers of this village were rearing their animals with traditional methods, imbalance in use of feeds and fodder as well as facing the chronic problem of anoestrus, repeat breeder and poor growth. The Scientist of KVK started a series of activities i.e**. training, method demonstration, Diagnostic visit, Farmer scientist interaction, Film show, Scientist visit to farmers field, group meeting, frontline demonstration** etc. to deal with the existing problems and observed a positive impact.

Output

At present, Govindbhai has adopted scientific concepts to rear his animals as per the suggestions given by KVK scientists. He has extended his farm and today he owned 4 milking HF crossbred cows, 3 heifers and 1 calf. He has constructed a Pakka house with manger and a locally made automatic water supply device. He used local materials like simple balties, PVC

pipes, valves and PVC water tank for making such automatic watering device. He uses proper concentrate feed, green and dry fodder, mineral mixture, timely vaccination, de-worming, artificial insemination and diagnosis as per the guidance provide by the scientists of KVK through training, demonstrations and very frequent farm visits.

Outcome

Due to adoption of improved practice, his constant efforts and hard work and timely support from KVK and other line departments and Vasudhara dairy he could achieve very impressive growth in dairy farming as per below table.

Impact of KVK

Sr. No.	Particulars/ Items	Before KVK intervention	After KVK intervention (2018)
1	Animals own	2-Desi cows 2- Desi Bullocks 1 Cross breed	4- HF cows 3-Heifers 2- Bullocks
2	Vaccination & De-worming	Not proper	Regular
3	Milk production (day)	Initial 2-3.5 lit/day	Average-5-8 lit/cow/day he could sold milk of about 19-24 lit/day i.e. highest income up to Rs. 20000/- per month
4	Highest milk production per animal per day	3 lit/day	Up to 14.5 lit/day/animal
5	Anoestrus and repeat breeder problems	Yes	No
6	Inter-calving interval	More than 24-30 months	12-16 months
7	Service period	Average-120-150 days	90 -110days
8	No. of service per conception rate	7-8	1-2
9	Growth of calves and heifers	Poor	Good
10	Age of first calving	4-5 yrs	30-36 months
11	Economics enhancement Income per month(Net profit) Income through selling of self reared HF animals	 Not good Nil	 Rs.16,000-22,000 per month Planned in future
12	Modern assets in the house because of dairy farming	Nil	Freeze – 1 TV - 1 Mobile - 1 Motorcycle - 1 Tractor-1
13	Bank loan	-----	---
14	C.B. Ratio		1: 1.59

For the success of dairy farming in tribal areas he believes that it is due to intensive guidance provide by the Scientist of KVK, Dr. S. A. Patel and Other scientist as he considering me as a family member. In addition to this, humble support made by Vasudhara dairy as well as state government to provide subsidy for purchasing the cross bred cows and proper marketing facility, respectively.

He feels that having good genetic potential and dairy characters of HF cross bred animals plays an important key role in dairy business. He also emphasized that after starting the dairy farming he need not to go anywhere for earning employment as well as he could make himself away from the money lender's clutch to satisfy his family needs. Now he can easily manage his all needs due to dairy farming and able to think in advance for the sake of better life.

This outstanding result of dairy farming turned Govindbhai Babajubhai Machhi & his wife from poor farmer to a happy progressive dairy farmer. The success of dairy farming with innovative technologies in resource poor areas is a unique example to a regular income generating business as well as empower the tribal economy in the country.

Success Story-5

Adoption of integrated farming system through proper water harvesting

J. B. Dobariy, H. A. Prajapati, P. P. Javiya, S. N. Chaudhari, B. M. Vahunia & S. A. Patel

1. Situation analysis/Problem statement:

A tribal farmer of Chikhli village of dang distric Shri Sukiravbhai Lahnubhai Gaikwad has provided a noble example of how agricultural land can be irrigated even without the use of any kind of chemicals. Chikhli village is a hinterland village in Lavachali group panchayat in Subir taluk of Dang district. The village has a population of around 1000 people including Bhil, Kunbi etc. 80 percent of the people are farmers, rest of the families are migrant labourers. Today more than 50 farmers of the village are engaged in organic farming only. In their fields they grow paddy (rice), groundnut, mung bean, pigeon pea, peas, maize, finger millet (ragi), Sorghum black gram etc. He first adopted natural farming in his paddy crop. In this village water shortage is a major problem.

2. Plan, Implement and Support:

Nine years ago they were using chemical fertilizers and pesticide in their farming, but with the guidance of local level voluntary organization, Krishi Vigyan Kendra, ATMA Project of district agriculture department, etc., they have abandoned chemicals and adopted completely natural farming. In order to protect his farm from the chemical, Suki Rao Bhai himself made a nick near the farm and diverted the water to the wasteland ahead. Thus, he saved his farm from chemical contamination by stopping the chemicals coming from other farms. With the help of training, awareness programme and other extension activities of KVK dangs, Suki Raobhai has always cultivated in a planned way, so he rarely suffers losses in farming. Also, he has become an example to dangs farmers in terms of natural farming. Instead of contenting himself with paddy, groundnut, finger millet crops, he has also adopted a substantial income from agriculture by growing mango trees. With the help of Krishi vigyan kendra, waghai, he has raised more than 100 mangoes of different varieties like saffron, langdo, dasheri, rajapuri *etc*. With the help of KVK, Waghai he has formation one organization as 'Shri Prazpan Gram Vikas Mandal'. Now there are 297 members in this organization. Under the auspices of this organization, all the members work together for the preservation of natural resources and overall development in the villages. This organization lives up to its name, as transparency is maintained in every development work done in the village

3. Output:

He has stopped using any kind of synthetic chemicals in their land and adopted only natural farming and has increased their farm income. His farming land was steep. He painstakingly leveled it and made the barren land fertile. They use only organic fertilizers like cow dung, vermicompost and biocides in all their land. Today, seeing the success of their farming, many farmers in the village have now switched to natural farming. They train farmers in Dangi language itself, so farmers quickly understand and get inspired to practice natural farming. Also, they have shown efficient use of water in agriculture. Suki Raobhai has been earning more than two lakhs annually from agriculture. Also, it is truly remarkable that they have earned one lakhs of rupees from the sale of mangoes. With this water conservation effort, now even if 15 motors are placed in the village well at once, there is no shortage of water. Earlier, water was barely available even at 60 feet. Cultivation of different types of fishes in resourcefully constructed farm pond. Water reaches the fields of 23 farmers of Chikhli village through this pipeline by creating irrigation facility from the farm pond.

4. Outcome:

The water available from the check dam repair has been effectively used in agriculture. Due to water conservation the infertile land is shown to be planted with crops. Many rural people are leading by Sukiravbhai Lahnubhai Gaikwad the way to make agriculture chemical free. As water is available in agriculture, there is no need to buy and bring vegetables from outside the village. Always practices planned farming so there is hardly any loss in farming. He has trained more than 200 farmers in Dangs district on natural farming as a master trainer. In the first year production of paddy crop decreased, but still he made up his mind not to use any kind of chemical. Then from the second year itself he started getting good production in natural farming. So my courage grew and other farmers in the village also started coming to see his natural farming. Suki Raobhai has today become committed to protecting his farm as well as the soil of all the villages of Dangs against the scourge of chemicals. He says, he himself do not apply any kind of chemical fertilizers or pesticides to his farm land and also convince many other farmers not to poison the mother earth. He inspires many other farmers as a progressive farmer. Now the entire village grows abundant vegetables due to the availability of potable water. So the people of the village do not have to bring any vegetables from outside.

5. Impact:

By integrated and natural farming system the standard of living of the farmers is significantly improved. Although he initially suffered financial losses due to the decision of natural farming, but due to one of his virtues, he has defied the losses and is now making substantial profits. Farmers likes Sanduribehan rambhai mahala, Tulsiben anadbhai choudhary, Avshubhai maniyabhai choudhary, Rameshbhai gahubhai ahir, Vanubhai choudhary, Soniabhai tanubhai choudhary etc. of their village have now started using natural farming instead of conventional farming. Due to the water storage structure, 20 bores of the village were also recharged. The development of water harvesting works in the village has led to the development of agriculture and as a result migration of villagers was stopped. He has reared different types of fish like Meergal, Pangasius, Rahu, Common craft in this farm made with his resourcefulness. Thus, apart from agriculture, they have also generated additional income from fisheries. The water used for bathing near the well reached to mango through a small channel." Thus, without effort, the mango of Sukiravbhai blossomed and its fruits were obtained by Sukiravbhai.

Success Story-6
Reduction ofcrop losses with the help of Agromet Advisory Service (AAS).
S.N.Chaudhari, B. M. Vahunia, S. A. Patel, J. B. Dobariy, H. A. Prajapati & P. P. Javiya

1. Situation Analysis/Problem Statement

The Dangs is one of the most delightful district of Gujarat state and located high in the Saputarahillls, the original home of the 'tribal people' and the tribal population of Gujarat. In ancient Indian Scriptures Dang is known as "DandAranyaka", meaning Bamboo Forest. Entire Dang district falls under south Gujarat heavy rainfall zone. Dang district received an average rainfall of 2000 to 2500mm. The district has, in general dry tropical climate except during the monsoon season where it experiences high precipitation, high evaporation and large daily fluctuation in temperature. The period from June to September constitute the southwest monsoon season. The cold season is starts from December and last up to February. Climatic condition and soil of dang district is more favorable for strawberry crop therefore some farmers were take strawberry crop in *rabi*season. But last few years, sudden changing in weather condition affected a lot in strawberry crop. At harvesting stage unseasonal rain led to higher losses in strawberry crop.

Ganeshbhai M. Gaykwad is a progressive farmer of Borigawtha village of DangsDistrict, educated up to 10^{th} standard and having 4 ha of land. They have been growing strawberry crops for the past several years.He had increased his farm income through strawberry crop, but his farm income has gradually declined over the last few years due to changing in weather condition and unseasonal rains.Unseasonal rain at harvest time damages the fruits leading to further loss of farm income.

2. Plan, Implement and Support:

In the year 2020 District Agromet Unit started at KVK, N.A.U., waghai, Dang through GKMS scheme with main objective is to provide medium range weather forecast as well as Agromet advisory service to the farmer for better crop planning. KVK, N.A.U., waghai also organized farmer awareness program on Agromet advisory services. In that program many farmers were participated in it and also gave their opinion about crop losses through unseasonal rainfall. They didn't getting any information about sudden changes in weather or weather forecast. They also said that somehow we can reduce the damage caused by unseasonal rains if we get weather forecast information regularly in advance. Therefore we created a block wise whatsapp groups for farmers of dang district and started sharing weather based agromet advisory every Tuesday and Friday.We added Ganeshbhai to our WhatsApp group to get weather updates and save his agricultural produce due to unseasonal rains.

3. Output

Ganeshbhai attended the farmer awareness program and was interested to know about Agromet advisory services and what kind of measures should be taken to reduce crop losses under adverse weather conditions. He says that if unseasonal rains occur during the harvest of strawberry crop, approximately Rs. 50,000 loss to them. And last season he also faces that situation because the lack of information about weather forecast. But now with the help of this bulletin they get information about unseasonal rain so that they can save their loss due to unseasonal rain.

4. Outcome

Ganeshbhainow studies AAS bulletins sent by email every Tuesday and Friday from KVK, N.A.U., waghai and keeps eye on the weather conditions during the coming days.He does his various farming activities only after seeing the weather update.With the help of bulletins he can decide when to harvest, when to irrigate, when to spray in adverse weather. Due to which he is now successfully producing crops even in adverse weather conditions.has inspired other farmers to use this AAS bulletin as well. The Agromet Advisory Bulletin provides information about the weather conditions for the coming days and also provides information on what types of diseases and pests are likely to occur in which crops if such weather conditions persist and what measures to take to deal with them.Because of this, the farmers of Dang district are doing various farming activities keeping in view the weather conditions and also identifying the diseases and pests in the crops and taking immediate steps to solve them. So they have also been able to reduce crop damage due to adverse weather.

5. Impact

Through the AAS bulletin, Ganeshbhai's agricultural knowledge has improved and his crop planning skills have also improved. Now he confidently growsstrawberry crop and minimizing his crop losses in adverse weather condition.

Table 1: Reduction of crop losses in Kg.

Crop	Before KVK intervention (No use of AAS bulletin)	After KVK intervention (Use of AAS bulletin)	Gap after KVK intervention
strawberry	250 kg/ acre	30 kg/acre	220 kg/acre

Table 2: Reduction of crop losses in Rs.

Crop	Before KVK intervention (No use of AAS bulletin)	After KVK intervention (Use of AAS bulletin)	Gap after KVK intervention
strawberry	50000/-	6000/-	44000/-

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

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)

ITK Technology 01

Sr. No.	Particular	Detail
1	Name of integration of indigenous technical knowledge (ITK) and traditional Practices (TP).	Naturally ripening method of mango
2	Description of ITK/TP	Farmers of the dang district put the harvested mango in the "Topla" and on the mango they put paddy straw for 1 to 2 week. Depend on the maturity mangos can fully ripened within a respected time and this method is eco friendly method and farmers and consumer get residue free ripened mango which is best for the health.
3	Name of framer/village from where the information collected	-
4	Method of preparation/use of ITK/TP, if any	-
5	Dose/rate/amount/time of use of ITK/TP,	-
6	Benefits/effect of ITK/TP on yield/production/control of disease-pest/saving of inputs etc	Eco friendly method
7	Whether farmers adopting at present? Yes/No If yes, from how many years?	Yes
8	Any other supportive information	No

ITK Technology 02

Sr. No.	Particular	Detail
1	Name of integration of indigenous technical knowledge (ITK) and traditional Practices (TP).	Use of Ash for management of powdery mildew
2	Description of ITK/TP	The farmers of dang district use ash. They throw directly ash on crop like Okra, Indian bean etc. and then managing powdery mildew disease.
3	Name of framer/village from where the information collected	Borpada
4	Method of preparation/use of ITK/TP, if any	For management of PM.
5	Dose/rate/amount/time of use of ITK/TP,	Note fixed dose
6	Benefits/effect of ITK/TP on yield/production/control of disease-pest/saving of inputs etc	Control of disease
7	Whether farmers adopting at present? Yes/No If yes, from how many years?	Yes, for 10-15 year
8	Any other supportive information	-

ITK Technology 03

S.N.	Particular	Details
1	Name of integration of indigenous technical knowledge (ITK) and traditional Practices (TP)	Treatment of Foot & Mouth Disease
2	Description of ITK/TP	Foot & mouth disease (FMD) is a serious & highly contagious animal disease that affects all cloven hoofed animals including cattle, sheep, goats etc. The disease is characterized by high fever that declines rapidly after 2-3 days, blister inside the mouth that lead to excessive secretion of stringy or foamy saliva & to dropping &blisters on the feet that may rupture & cause lameness. Milch animals production can decline significantly. The traditional treatment is affect from this sick

		condition. ITK- cumin-10 gram, Fenugreek-10 gram, black pepper- 10 gram, turmeric-10 gram, garlic- 3-4 no., coconut- 1 no., jaggery- 100-120 gram
3	Name of farmer/village from where the information collected	Govinbhai Machhi, Uga-chichpada,waghai
4	Method of preparation/use of ITK/TP, if any	Soak cumin, fenugreek and black pepper in water for 20-30 minutes, Mix all the ingredients with turmeric and garlic in a mixer or lasoti and make a paste, Add one whole grated coconut to the ointment and mix well, every time make new pest.
5	Dose/rate/amount/time of use of ITK/TP	Apply this ointment 3 times a day for 3-5 days
6	Benefits/effect of ITK/TP on yield/production /control of disease-pest/saving of inputs etc.	The ointment will provide relief in the mouth, tongue, and palate
7	Whether farmers adopting at present? Yes /No If yes, from how many years?	Yes, since last 20 years
8	Any other supportive information	Nil

ITK Technology 04

Sr. No.	Particular	Detail
1	Name of integration of indigenous technical knowledge (ITK) and traditional Practices (TP).	Proper use of waste water
2	Description of ITK/TP	The water used for bathing near the well reached to mango through a small channel." Thus, without effort, the mango and other fruit crops of farmers blossomed and its fruits were obtained
3	Name of framer/village from where the information collected	Shri Sukiravbhai Lahnubhai Gaikwad Village - Chikhali, Ta: Subir, Dist: Dangs Mo. No.: 9427753470
4	Method of preparation/use of ITK/TP, if any	Use of waste water.
5	Dose/rate/amount/time of use of ITK/TP,	Wasted water amount like water use for bathing, cleaning of mess ,wash hands and feet ,wash clothes etc
6	Benefits/effect of ITK/TP on yield/production/control of disease-pest/saving of inputs etc	By using waste water, there will be no shortage of water in the production of fruits and vegetables so that additional income can be generated and water can be saved by using water for multiple purposes.
7	Whether farmers adopting at present? Yes/No If yes, from how many years?	Yes. Since last 15 to 20 years
8	Any other supportive information	No

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

A. Practicing Farmers

a) Organic farming
b) Use of mulching with drip irrigation in mulching
c) Organic protection measure

B. Rural Youth

a) Farm mechanization
b) Use of various Agri apps
c) Bee keeping
d) Mushroom production

C. In-service personnel

a) Use of bank credit in Agriculture
b) Organic farming
c) Pont for doubling farmer's income

5.2. Indicate the methodology for identifying OFTs/FLDs

For OFT:

i) PRA (√)
ii) Problem identified from Matrix
iii) Field level observations (√)
iv) Farmer group discussions
v) Others if any

For FLD:

i) New variety/technology (√)
ii) Poor yield at farmers level (√)
iii) Existing cropping system (√)
iv) Others if any

5.3. Field activities

i. Name of villages identified/adopted with block name (from which year) -
ii. No. of farm families selected per village :
iii. No. of survey/PRA conducted :
iv. No. of technologies taken to the adopted villages
v. Name of the technologies found suitable by the farmers of the adopted villages:
vi. Impact (production, income, employment, area/technological– horizontal/vertical)
vii. Constraints if any in the continued application of these improved technologies

6. LINKAGES

A. Functional linkage with different organizations

Name of organization	Nature of linkage
Navsari Agricultural University	Provides technical experts for various disciplines as well as practical training to the trainees during educational tour. Teaching at Agricultural college & politechnique of NAU, Waghai.
NAIP, ICAR	Technical support
Agricultural department, District Panchayat , Ahwa Dept. of Horticulture, Ahwa	Helps in organizing in service training for VLWs, khedut shibir and conducting sponsored training programme by receiving the grant from DAO Ahwa.
ATMA, Dangs	Technical support, joint organization of farmers fair.
FTC, Dangs, and Tapi	Technical support
Forest dept., South Dangs, Ahwa.	Helps in organizing van mahotsav, farmers training.

District Information Department, Ahwa.	Publish the activities in news papers.
Veterinary college, NAU, Navsari, Department of Ani. Husb., Ahwa Vasudhara dairy, Waghai	Organization of programme jointly- animal treatment camp, khedut shibir, calf rally etc.
Mahila samakhya,Ahwa.	They depute the SHG for training in the KVK.
District Watershed Development Agency, Ahwa	Training & technical advice.
Lotus foundation, Waghai, World vision, Waghai Rowadan trust, Ahwa, ICDs, AKRS (Agakhan)	Training & field demonstration.
Bhimrao Ambedkar Trust	Training & technical advice.
Naheru Yuva Kendra, Ahwa, Dangs	Training & technical advice
Collectorate and District Development Officer, Dangs	Election related activities, Krishi Mahotsava and other Government programmes.

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(State Govt./Other Agencies)	Amount (Rs.)
-	-	-	-

C. Details of linkage with ATMA

a) Is ATMA implemented in your district Yes/No

If yes, role of KVK in preparation of SREP of the district?

Coordination activities between KVK and ATMA

S. No.	Programme	Particulars	No. of programmes attended by KVK staff	No. of programmes Organized by KVK	Other remarks (if any)
01	**Meetings**				
		AGB AMC Meeting jilla panchayat Ahea-Dangs	04	01	-
		Salahkar amlikaran samiti meeting jilla panchayat Ahwa-Dangs	07	01	-
02	**Research projects**				
03	**Training programmes**				
		Prakrutik kheti	03	01	-
		Prakrutik kheti	02	01	-
		Prakrutik kheti	04	01	-
		Prakrutik kheti	02	01	-
		Prakrutik kheti	02	01	-
		Prakrutik kheti	02	01	-
		Prakrutik kheti	02	01	-

		Prakrutik kheti	03	01	-
		Prakrutik kheti	04	01	-
		Prakrutik kheti	04	01	-
		Prakrutik kheti	03	01	-
		Prakrutik kheti	02	01	-
04	**Demonstrations**				
		Demonstration kharif crops (Agri)	02	01	-
		Capacity building	05	01	-
05	**Extension Programmes**				
	KisanMela				
	Technology Week				
	Exposure visit				
	Exhibition	Gadhinagar shree rajypal programme	04	01	-
	Soil health camps				
	Animal Health Campaigns				
	Others (Pl. specify)				
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

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

E. Nature of linkage with National Fisheries Development Board

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

F. Details of linkage with RKVY

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

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

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

H. Details of linkage with NFSM

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

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:

KVK Name	Name of scheme	Name of Agency (Central/state)	Funds received (Rs.)	Activities organized	Operational Area	Remarks
KVK-Waghai	ATMA	State		25	Dangs	-
	DRDA	State	-	1	Dangs	-
	Others (Plz. Specify)	Sevadham	-	2	-	-
	DAO	State	-	6	Dangs	-
	ADHO	State	-	8	Dangs	-

8. Innovative Farmers Meet

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

9. Farmers Field School (FFS)

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

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

Sr. No.	Discipline	Feed Back
1.	Crop Production	Green gram variety GM 6 gave very good yield as compare to local varieties.
2.		Farmers want seeds of indigenous varieties of paddy from university or *Bijnigam*.
3.	Horticulture	Need some basic recommendation of Natural farming from the university.
4.		Required Govt. sector hybrid variety of Okra and bitter gourd for dang district.
5.		Variety of tomato *Arka rakshak* gave higher yield than GT 7 variety.
6.	Plant Protection	Standardized method of preparation of *Agniastra, Neemastra* and *Dashparni arka.*
7.	Animal Science	Sorghum variety can be grow throughout the year as multi cut variety under irrigated conditions which is very useful for manage of green fodder requirement of livestock throughout year.

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

Sr. No.	Discipline	Feed Back
1.	Crop Production	Paddy variety GR 17 gives more trilling than other.
2.		Standardized the preparation method of *Jeevamrut, Ghanjeevamrut etc*.
3.	Horticulture	Provide Marketing Facility for Product of Natural farming.
4.	Plant Protection	Need variety which is resistance to sucking pest in okra (Okra highly effected by sucking pest)
5.		Need good variety from university in okra (farmers mostly grow private hybrid)
6.	Animal science	To develop nutritional feed for milch animals.
7.	Extension Education	Provide marketing facility particular in Ahwa and Subir block of Dang district.

11. Technology Week celebration during2022:Yes/No, If Yes

Period of observing Technology Week: From to 19-12-2022 to 23-12-2022
Online / Offline: Offline
Total number of farmers visited : 513
Total number of agencies involved : 07
Number of demonstrations visited by the farmers within KVK campus: 06

Other Details

Types of Activities	No. of Activities	Number of Farmers	Related crop/livestock technology
Gosthies	03	109	-
Lectures organized	15	513	-
Exhibition	05	450	-
Film show	10	513	-
Fair	01	349	-
Farm Visit	02	349	-
Diagnostic Practical's	04	12	-
Supply of Literature (No.)	14	400	-
Supply of Seed (q)	0	0	-
Supply of Planting materials (No.)	20	20	-
Bio Product supply (Kg)	0	0	-
Bio Fertilizers (q)	0	0	-
Supply of fingerlings	0	0	-
Supply of Livestock specimen (No.)	0	0	-
Total number of farmers visited the technology week	513	513	-

Detail of Technology Week celebration during 2022: 19-12-2022 to 23-12-2022

Sr. No.	Day/ Date	Thematic area	Topic / Technology covered	No. of participants		
				M	F	T
1	First 19/12/2022 Monday	Training, Demonstration, Film Show, Diagnostic Visit, Literature Distribution, Kishan Goshthi, Lecture	➢ Method of Making Agni Astra ➢ Importance of Jeevamrut in Organic Farming ➢ Crop protection through traditional methods ➢ Organic Farming - A Glimpse ➢ Marketing of organic agri. Products ➢ Insect pest control ➢ Importance of Forecasting in farmers system	27	17	44
2.	Second 20/12/2022 Tuesday	Farm Visits, Natural Farming Demonstration Visits, Museum Visits, Exhibitions	➢ Basic Principles of Organic Farming ➢ Pest Control in Organic Agriculture ➢ Significance of International Millet Year 2023 ➢ Natural Farming in Dang Organic farming	293	056	349
3.	Third 21/12/2022 Wednesday	Practical, diagnostic visit, film show, method demo	➢ Losses in chemical agriculture and importance of natural agriculture ➢ Importance of Beejamrut in Organic Farming ➢ Method of making Brahmastra ➢ Methodology for use of Sitapal leaves and seeds as herbicides in a changing climate	24	16	40
4.	Forth Day 22/12/2022	Training, Film Show, Diagnostic Visit, Literature Distribution Kishan Goshthi	➢ Understanding of Nimastra and its application in Organic Agriculture ➢ Cultivation of Vegetables in Natural Farming ➢ Contribution of cow urine in pest management Contribution of Microorganisms to Organic Agriculture	26	14	40
5.	Fifth Day 23-12-2022	Training, Demonstration, Film Show, Diagnostic Visit, Literature Distribution, Kishan Goshthi, Farm Visit	➢ Basic Principles in NaturalFarming ➢ Use of Santhastra and Khati chhash in natural agriculture ➢ Kalpa tree for natural agriculture – Neem and its use as insecticide Organic Farming: Market Management and Issues	24	16	40
Total				**394**	**119**	**513**

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

A. Introduction of alternate crops/varieties

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

B. Major area coverage under alternate crops/varieties

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

C. Farmers-scientists interaction on livestock management

State	Livestock components	Number of interactions	No.of participants
Gujarat	Nutrition management in livestock Care & management of calf Fodder management Fodder management lumpy skin disease Lumpy skin disease Lumpy skin disease Green fodder management	**08**	**16**
Total		**08**	**16**

D. Animal health camps organized

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

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

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

F. Large scale adoption of resource conservation technologies

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

G. Awareness campaign

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

13. IMPACT

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

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

Sr.No.	Major crops & enterprises being practiced in cluster villages	Prioritized problems in these crops/ enterprise	Extent of area (Ha/No.) affected by the problem in the district		Names of Cluster Villages identified for intervention	Intervention (OFT, FLD, Training, extension activity *etc.*)*
			Crop	Area (ha)		
1.	**Cereals:**	-Use of traditional varieties - Poor quality of seed -Lack of awareness related with organic crop package & practices - Lack of awareness about plant protection measures -Scarcity of fodder - Repeat Breeding &Anoestrus - Less interest in dairy business	Paddy	148	Lahandabash Gundiya Sati Sajupada Bardipada Dhuldha Zavada Vankan Chichond Bhadarpada	On campus training, Off campus training, Sponsored training, Vocational training, In-service training, Lecture delivered, Field visit, FLD visit, OFT visit, Scientist visit to farmer field, Farmer visit to KVK, Diagnostic visit, Exposure visit, KisanGosthi, Animal camps, Field day, Farmer fair, Farmer scientist interaction, Farmers meeting, TV-Film show, Exhibition, Farm School, Soil health campaign, Celebration of importance day, SwachataJagruti, Soil sample analyzed, Plant health clinic diagnostic services, SMS portal, Telephone helpline
2.	Paddy, Finger millet, little millet		Finger millet	85		
3.			Vari	76		
4.	**Pulses:**		Sorghum	17		
5.	Gram, Black gram, Tur		Maize	11		
6.			Black Gram	16		
7.	**Oilseeds:** Groundnut, Niger		Pigeon Pea	22		
8.			Soybean	16		
9.	**Vegetables:** Okra, Brinjal		Ground nut	6		
10	**Fruit crops:** Mango, Cashew nut, Custard apple		***Kharif Total***	**397**		
11.			Gram	41		
12.			Wheat	11		
13.			Okra	13		
14.	**Floriculture:** Rose and Marigold		Brinjal	11		
15.			Mango	22		
16.	**Others:** Tuber crops **Animal Husbandry**		Cashew nut	7		
			Rabi-Total	**105**		

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

Title: Impact of KVK activities in adopted villages of KVK-Dangs

Investigator:

Dr. J.B.Dobariya, Scientist, (Extension Education) KVK, the Dangs
Dr. S.A.Patel, Scientist, (Animal husbandry), KVK, the Dangs
Mr. B.M.Vahuniya, Scientist, (Plant protection), KVK, the Dangs

Background

KVK is the Farm Science Center with multidisciplinary aims to transfer the latest technology to farmers in the district. The mandates of KVKs are conducting on farm testing, organizing training, front line demonstrations (FLDs) and to work as knowledge resource center for overall agricultural and rural development through hits various research and transfer of technology mechanisms. The transfer of modern agricultural practices to the farmers with pre-conceived thought of traditional farming calls for a well developed and organized training programmes for the farmers. Training is a critical input for quick transfer of technology and away to improve their agriculture and to uplift their socio economic condition. Keeping this fact in view, many krishi vigyan kendras have been started all over the country. The past studies clearly indicated that KVK is an important medium to impart the latest technical knowhow to the farmers. Other extension activities carried out by the KVK was also important in TOT. Keeping this in view, it was felt worthwhile to study "Impact of KVK activities in adopted villages of KVK-Dangs".

Objectives:

1. To study the profile of the respondents

2. To know the impact of KVK activities in adopted villages of KVK-Dangs

3. To ascertain the relationship between dependent and independent variables

Methodology:

The present study was conducted in dang district of Gujarat. For the purpose of this study, 10 adopted villages of Waghai, Ahwa and Subir taluka were selected purposively from dang district to conduct the study by following the random sampling methods. A total 200 samples (100 respondent were before the adoption of villages and 100 same respondent were after the adoption of villages) 10 from each village was selected at purposive and random sampling, PRA method were be used. The information of each respondent was collected with the help of pretested, structured interview schedule by personal interview. The collected data were analyzed and interpreted in the light of the objectives with appropriate statistical tools like percentage, rank, mean and standard deviation. The impact of KVK activities in adopted villages have shown by comparing the tables. The resultant changes occurred due to main training carried out by the scientist of KVKs.

Findings:

The outcome of the present study has been presented here after applying the appropriate statistical analysis. The results have been described under the following subheads in the light of the objectives of the study.

1. Study the profile of the respondents

The data regarding socio-economic and personal characteristics of respondents were analyzed and presented in the following sequence.

The data in age were grouped into three categories viz; (i) Young age (up to 35 years), (ii) Middle age (36 to 50 years) and (iii) Old age (Above 50 years). The data in education was collected and grouped as; Illiterate, primary level of education (1^{st} to 7^{th} standard), secondary and higher secondary level of education (8^{th} to 12^{th} standard) including diploma and college level of education (above 12^{th} standard).

Press Information Bureau, Government of India and Ministry of Agriculture & Farmers Welfare the operational holdings are categorized in five size classes. They all were grouped into five categories, viz.; (i) Marginal farmer (Below 1.00 ha) (ii) Small farmer (1.1 ha to 2.00 ha), iii) Semi medium (2.1 ha to 4.0 ha), iv) Medium (4.1 ha to 10.0 ha) and v) Large (10.0 ha and above). Family size was measured with the help of SES scale developed by Venkatarmaiah (1983). Family size were grouped into three categories, viz. ; (i) Small size of family (Up to 5 members) (ii) Medium size of family (6 to 8 members) and iii) Large size of family (Above 8 members). Social participate denotes the evolvement of an individual in various social, religious, political, educational as well as cultural groups, organization and institutions. The individual who have generally involved in social participation, they are definitely resourceful, highly advanced and empowered. Maximum cases it is seen that individuals having less/ negligible level or high participation due to social participation. The extent of social participation tells about the progressiveness and social standing of a person in the society. A man with greater exposure is supposed to be more up to date and more enthusiastic about new innovations.

On the base of mean and standard deviation the social participation, extension participation, information seeking behavior and innovativeness were find out. Farming experience was measured on the basis of years. Lover level of farming experience (Up to 5 years), medium level of farming experience (6 to 10 years) and higher level of farming experience (Above 10 years). Animal possession had measured by categorized of animal into having no animal, up to 3 animal, 4 to 6 animals and above 6 animals. Family annual income was measured on the bases of three categories viz, low family income (Up to Rs 1,00,000/-), medium family income (Rs.1,00,001 to 2,00,000) and high family income (above Rs 2,00,000) Scale developed by Supe (1969) with some due modification was adopted for scientific orientation study to measure the degree to which the farmers are oriented towards scientific methods. The scale consisted of six statements out of which one statement was negative, while rests were positive. The responses of the respondents were obtained against each statement in terms of their agreement or disagreements. The positive statements were scored 3, 2 and 1 for agree, undecided and disagree whereas, the scoring system was reversed in case of negative statement. For this variable, the maximum score was 18 and minimum was 6. An arbitrary method was used for categorization to each section. For that the higher score is subtracted from the lower score and divided by the number of categories. The obtained score is added into the lower score until you get the highest score. Later on, same data were used for correlation with dependent variables.

Risk orientation was measured with the help of scale developed by Supe (1969) with due modification. The responses of respondents were obtained against each statement. The positive statements were scored 3, 2 and 1 for agree, undecided and disagree respectively. In case of negative statements the scoring systems were used reverse. For this variable, the maximum score was 18 and minimum was 6. An arbitrary method was used for categorization to each section. For that the higher score is subtracted from the lower score and divided by the number of categories. The obtained score is added into the lower score until you get the highest score. Later on, same data were used for correlation with dependent variables.

Self-confidence indicates the extent of own ability of enterprise owners and resourcefulness in carrying out any activity in the respective enterprise which they desire to undertake. The structure schedule was developed to measure the self confidence in the present study. Total 9 dichotomous statements were created to be answered by the respondents as either ‘yes’ or ‘no’. The ‘no’

response is given a score of one and 'yes' response a score of 2 for each of the items except numbers 1, 4, 5 and 8 in that case, the scoring process was reversed. The score of an individual was ranged from zero to 18. An arbitrary method was used for categorization to each section. For that the higher score is subtracted from the lower score and divided by the number of categories. The obtained score is added into the lower score until you get the highest score. Later on, correlation with dependent variables was also calculated.

Economic orientation is defined as occupational success in terms of profit maximization and the relative value of an individual places on economic ends. The level of respondents was measured with the scale developed by Supe (1969) with due modification. The scale consisted of six statements, out of which the two were negative and four were positive. The responses were obtained against each statement in terms of their agreement or disagreement. The positive statements were scored 3, 2 and 1 for agree, undecided and disagree, respectively. The scoring system was reversed in case of negative statements. For this variable, the maximum score was 18 and minimum was 6. An arbitrary method was used for categorization to each section. For that the higher score is subtracted from the lower score and divided by the number of categories. The obtained score is added into the lower score until you get the highest score. Later on, same data were used for correlation with dependent variables. The classified data are presented in table 1

Table 1: Distribution of respondents according to their Profile n=100

Sr.No.	Profile of the respondent	Category	Category of farmers			
			Before adoption		After adoption	
			Number	Per cent	Number	Per cent
1	Age	Young age (Up to 35 years)	38	38.00	19	19.00
		Middle age (36 to 50 years)	35	35.00	53	53.00
		Higher age (Above 50 years)	27	27.00	28	28.00
2	Education	Illiterate	05	05.00	05	05.00
		Primary level of education (1st to 7th standard),	31	31.00	31	31.00
		Secondary and higher secondary level of education (8th to 12th standard)	49	49.00	49	49.00
		College level of education and above (Above 12th standard)	15	15.00	15	15.00
3	Land Holding	Marginal farmer (Below1.00 ha)	32	32.00	41	41.00
		Small farmer (1.1 ha to 2.00 ha)	37	37.00	28	28.00
		Semi medium (2.1 ha to 4.0 ha)	20	20.00	21	21.00
		Medium (4.1 ha to 10.00 ha)	11	11.00	10	10.00
		Large (10.00 ha and above)	00	00.00	00	0.00
4	Family size	Small size of family (Up to 5 members)	44	44.00	44	44.00
		Medium size of family (6 to 8 members)	45	45.00	45	45.00
		Large size of family (Above 8 members)	11	11.00	11	11.00
5	Social Participation	Low	26	26.00	18	18.00
		Medium	66	66.00	76	76.00
		High	08	08.00	06	6.00
6	Extension participation	Low	14	14.00	26	26.00
		Medium	64	64.00	48	48.00
		High	22	22.00	26	26.00
7	Information seeking behavior	Low	21	21.00	16	16.00
		Medium	61	61.00	62	62.00

		High	18	18.00	22	22.00
8	Farming experience	Lover level of farming experience (Up to 5 years)	04	04.000	02	02.00
		Medium level of farming experience (6 to 10 years)	29	29.00	29	29.00
		Higher level of farming experience (Above 10 years)	67	67.00	69	69.00
9	Animal possession	Having no animal	01	01.00	06	06.00
		Up to 3 animal	32	32.00	16	16.00
		4 to 6 animal	35	35.00	28	28.00
		Above 6 animal	32	32.00	50	50.00
10	Innovativeness	Low	04	04.00	02	02.00
		Medium	73	73.00	54	54.00
		High	23	23.00	44	44.00
11	Family annual income	Low family income (Up to Rs 1,00,000/-),	18	18.00	01	01.00
		Medium family income (Rs.1,00,001 to 2,00,000)	77	77.00	72	72.00
		High family income (above Rs 2,00,000)	05	05.00	27	27.00
12	Scientific orientation	Low level of scientific orientation (Up to 10 score)	27	27.00	07	07.00
		Medium level of scientific orientation (11 to 14 score)	61	61.00	18	18.00
		High level of scientific orientation (15 to 18 score)	12	12.00	75	75.00
13	Risk orientation	Low level of risk orientation (Up to 10 score)	28	28.00	09	09.00
		Medium level of risk orientation (11 to 14 score)	65	65.00	40	40.00
		High level of risk orientation (15 to 18 score)	07	07.00	51	51.00
14	Self confidence	Low self confidence (Up to 6 score)	00	00.00	00	00.00
		Medium self confidence (7 to 12 score)	33	33.00	10	10.00
		High self confidence (13 to 18 score)	67	67.00	90	90.00
15	Economic orientation	Lower level of economic orientation (Up to 10 score)	37	37.00	08	08.00
		Moderate level of economic orientation (11 to 14 score)	41	41.00	09	09.00
		Higher level of economic orientation (15 to 18 score)	22	22.00	83	83.00

The data in Table 1 revealed that 38.00 per cent of the farmers had young age group in before adoption in situation while, about 53.00 per cent of farmers were belonged to middle age group situation. It is seen from the table that there was no any change was observed in the level of education in before adoption and after adoption of the villages. It is observed from table 1 that nearly two third of farmers of the villages in before adoption and after adoption (69.00%) possessed small and marginal land holding. Near half of the farmers of villages in before adoption situation and farmers of villages of after adoption (45.00%, 45.00%) had medium family size. The majority of (76.00 %) of farmers had medium social participation after adoption of villages while 66 per cent had the same category of social participation before adoption. In case of extension participation, majority of (64.00 %) farmers of before adoption situation came under medium category,

While 48.00 per cent of farmers came under medium categories before adoption of villages. The table showed that the information seeking behavior was increase after adoption of villages by KVK, Waghai. Majority of (69.00 %) of farmers had higher farming experience after adoption of villages while 67.00 per cent had the same category of farming experience before the adoption of villages. About 32.00 per cent farmers were having above 6 animals of before adoption while, 50.00 per cent of farmer had possessed above 6 animals after the adoption of villages. 23.00 per cent of farmers had high innovativeness in before adoption of villages while 44.00 per cent had the same category of innovativeness after adoption of villages. Very few 5.00 per cent of farmers had high family income (Above Rs 2,00,000) before adoption of villages while, 27.00 per cent of farmers had the same category after adoption of villages.

The data seen in the table that high level of scientific orientation (12.00 %)were observed in before adoption of villages while, the after adoption of villages, majority (75.00 %) farmers had cum in the high level of scientific orientation. In case of risk orientation, 7.00 per cent of the farmers observed high level of risk orientation in before adoption of villages while, the after adoption of villages, 51.00 per cent farmers had cum in the same categories. The majority (67.00 %) of the farmers cum under high self confidence before the adoption of villages while, 90.00 per cent farmers cum under same categories after adoption of villages by KVK, Waghai. 22.00 per cent of the farmers cum under high level of economic orientation before the adoption of villages while, 83.00 per cent farmers cum under same categories after adoption of villages by KVK, Waghai.

2. To know the impact of training in adopted villages of KVK-Dangs

KVK is an innovative science based institution which functions on the principal of collaborative participation of scientist, subject matter expert, extension workers and farmers. The main purpose of KVK is to impart learning through work experience to those who are engage in farming. Learning by doing is the main method of imparting skill training by KVK. Follow-up actions are also made through visit of the scientists, organizing ex-trainees meet discussing with the field functionaries etc. to assist the farmers in adoption of changes practice learned through training and other extension activities. With this hypothesis, another objective was framed in the study to analyze the extent of knowledge gained and used of technologies by the farmers after undergoing training and other extension activities at KVK. Knowledge and adoption of various practices crop production, horticulture, animal husbandry, plant protection, income generating capacity and home Science were selected as variable. Attempt has been made for comparative analyses of the extent of gained in the knowledge and adoption of new technology through KVK training and other extension programme. The result obtain has been presented in table below.

Table 2.1 Comparative knowledge gained on farm activities n=100

Knowledge gained for training and extension activities					
Sr.No.	Activities	Mean Score		Increase %	Gap %
		Befor adoption	After adoption		
1	Crop production	1.87	2.34	29.98	17.94
2	Horticulture	1.43	1.79	32.83	17.39
3	Animal husbandry	2.11	2.64	30.97	17.94
4	Plant protection	1.82	2.40	40.86	20.56
5	Income generating capacity	1.89	2.40	32.16	16.89
6	Home Science	1.87	2.54	41.92	23.27
Average		**1.83**	**2.35**	**34.78**	**18.99**

Comparative analyses of the data in the table 2.1 reveal that there was significant gain in knowledge on all the aspect of the farm activities covered under the study. Comparatively more knowledge was gained on crop production, horticulture crops, animal husbandry, plant protection, income generating capacity and home science activities. At the same time average gap percentage of 18.99 per cent indicated that the knowledge level was high, there was 34.78 per cent increase in knowledge as well as 18.99 per cent gap in knowledge level. Through KVK has made significant role impact on knowledge level of the respondent still more training and other extension programmes may be organized to abreast the respondents with knowledge and skills sufficiently for the improvement of the farming community.

Further KVKs have been designed to impart need based and skill oriented vocational training to various categories of farming communities. The main purpose is to influence to productivity to achieve the social justices for the neediest and deserving weaker section of the society. KVKs are also imparting training on the most important need of the client, their resources constants' and nature of eco system. It is therefore apprehended that significant improvements might have been made to the farmers after taking training from KVKs.

Attempt was therefore made in the study to assess the extent of development of the farmers at KVKs. Indicators such as technological, economical, social, farm activities and infrastructural were selected as the variable to assess the extent of developments. Data collected from the respondent only three point scale consisting of fully agree, partial agree, and disagree with the corresponding score of 3, 2 and1over the statements had been analyzed and discussed in this action. The result of the analysis has been presented in the table below.

Table 2.2 Comparative analysis of various aspect of developments **n=100**

Knowledge gained for training and extension activities					
Sr.No	**Activities**	**Mean Score**		**Increase %**	**Gap %**
		Before adoption	**After adoption**		
1.	Technological development	1.63	2.20	42.41	22.79
2.	Economical development	1.66	2.25	43.79	22.29
3.	Social development	1.80	2.49	48.29	23.57
4.	Farm activities development	1.76	2.44	46.19	24.06
5.	Infrastructural development	1.90	2.43	36.21	18.15
Average		**1.75**	**2.36**	**43.37**	**22.17**

Comparative analysis of the respondent mentioned in the table 2.2 indicate that the development under various aspect were almost at pear. KVK has imparted training and other extension activities programme for technological development which is turn increase production, productivity, income and brings improvements on economic status of the farmers. The economic development have also regulated for development of farm activities. Various aspects of social improvements could bring the coordination and cooperation among people for better planning and management of farm activities on communities' basis.

Further attempt have also been made to locate the extent of development of the respondent after receiving training from KVK. These lection made with comparatively higher mean score value have been presented here with.

It is therefore suggested that KVK has to organize training and other extension activities programmes effectively to develop the knowledge and skill competency of the farmers for their improvement.

2.3 Extent of adoption

We had also calculated the adoption on the basis of mean and standard deviation. The farmers were categorized in three catenaries, 1) Low level of adoption, 2) Medium level of adoption and 3) High level of adoption on the basis of SD and mean.

Table 2.3: Distribution of respondents according to their Extent of adoption of major technologies **n=100**

Sr.No	**Categories**	**Extent of adoption**			
		Before adopted of villages		**After adopted of villages**	
		Frequency	**%**	**Frequency**	**%**
1.	Low level of adopted	20	20.00	12	12.00
2.	Medium level of adopted	67	**67.00**	71	**71.00**
3.	High level of adopted	13	**13.00**	17	**17.00**

In the table 2.3, the result showed that 13.00 per cent of the farmers at before adoption of villages that is increase to 17.00 per cent of after adoption of the villages. These showed that the adoption levels were increased during this three year period of adopted villages by KVK, Waghai.

3. Relationship between the selected characteristic of farmers of before adoption of villages and after adoption of villages with their knowledge and adoption of improved agricultural technologies

Attempt was also made to analyze influence of socio economic variables in increasing knowledge and adoption level of the respondent. Result of the analysis done to find pearson's coefficient of correlation has been presented in table below.

Table 4:-Influence of Socio Economic variable on knowledge **n=100**

Sr. No.	**Variable**	**(r – Value) for Knowledge**		**(r – Value) for adoption**	
		Before adoption of villages	**After adoption of villages**	**Before adoption of villages**	**After adoption of villages**
1	Ag e	-0.099	0.012	0.075	0.149
2	Education	0.089	0.186	0.112	0.152
3	Land holding	0.255**	0.350**	0.033	0.297**

4	Family size	0.022	0.045	0.022	0.014
5	Social participation	0.067	0.303**	0.134	0.333**
6	Extension participation	0.047	0.144	0.012	0.274**
7	Information seeking behavior	-0.080	0.332**	-0.138	0.362**
8	Farming experience	-0.129	0.002	0.065	0.125
9	Animal possession	0.001	0.201*	0.111	0.210*
10	Innovativeness	0.043	0.080	0.030	0.200*
11	Family Annual Income	0.008	0.117	0.065	0.118
12	Scientific orientation	-0.058	0.461**	-0.172	0.464**
13	Risk orientation	-0.005	0.313**	-0.121	0.312**
14	Self confidence	-0.069	0.006	-0.161	0.052
15	Economic orientation	-0.037	0.528**	0.211*	0.560**

*. Correlation is significant at the 0.05 level (2-tailed).

**. Correlation is significant at the 0.01 level (2-tailed).

At observed from the table land holding, social participation, extension participat, information seeking behavior, animal possession, scientific orientation, risk orientation and economic orientation observation had influenced significantly increase level of the respondent towards knowledge and adoption. It is therefore suggested that KVK may utilized the socio economic variables while organizing training programme and extension activities. While very less significant relationship was observed under farmers cum under before adoption of villages with their level of knowledge and adoption of improved agricultural technologies.

Conclusion

Majority of the farmer were in middle age group, had secondary and higher secondary level of education, small and marginal land holding, medium family size, majority of the respondents were medium social participation, had medium extension participation, had income above Rs 2,00,000/-, had observed high level of scientific orientation, high level of risk orientation, high self confidence, high level of economic orientation. Comparatively more knowledge was gained on crop production, horticulture crops, animal husbandry, plant protection, income generating capacity and home science than before adoption of villages. At the same time average gap percentage of 18.99 % indicated that the knowledge level was high, there was 34.78 % increase in knowledge. KVK has imparted training programme and extension activities for technological development which is turn increase production, productivity, income and brings improvements on economic status of the farmers. The economic development have also regulated for development of farm activities. Various aspects of social improvements could bring the coordination and cooperation among people for better planning and management of farm activities on community's basis. The result showed that the adoption rate is increased during this three year. At observed from the research land holding, social participation, extension participat, information seeking behavior, animal possession, scientific orientation, risk orientation and economic orientation observation had influenced significantly increase level of the respondent towards knowledge and adoption. It is therefore suggested that KVK may utilized these socio economic variables while organizing training programme and extension activities. While very less significant relationship was observed under farmers of before adopted villages with their knowledge and adoption of improved agricultural technologies. Through KVK has made significant role impact on knowledge level and adoption of the respondent still more training programmes may be organized to abreast there spondents with knowledge and skills sufficiently for the improvement of the farming community. It is therefore apprehended that significant improvements might have been made to the farmers after taking training and extension activities from KVKs. It is therefore suggested that KVK has to organize training programmes and extension activities effectively to develop the knowledge and skill competency of the farmers for their improvement.

14. Kisan Mobile Advisory Services

Month	No. of SMS sent	No. of farmers to which SMS was sent	Whats app No. of SMS sent	Whats app No. of farmers to which SMS was sent	No. of feedback / query on SMS sent
Jan 2022	02	7671	19	13910	NA
Feb 2022	09	28023	33	21468	NA
March 2022	02	7716	33	22041	NA
April 2022	06	23065	39	24399	NA
May 2022	12	46147	17	10253	NA
Jun 2022	11	42351	11	6781	NA
Jul 2022	13	50089	10	5930	NA
Aug 2022	08	30811	00	00	NA
Sept 2022	08	30797	16	9528	NA
Oct 2022	00	00	18	15488	NA
Nov.2022	00	00	33	28293	NA
Dec.2022	00	00	03	2802	NA

Name of KVK	Message Type	Type of Messages						
		Crop	**Livestock**	**Weather**	**Marke-ting**	**Aware-ness**	**Other enterprise**	**Total**
	Text only	134	21	28	-	120	-	**303**
	Voice only	02	-	-	-	-	-	**02**
	Voice & Text both	-	-	-	-	-	-	**-**
	Total Messages	**136**	**21**	**28**	**-**	**120**	**-**	**305**
	Total farmers Benefitted	**247794**	**48918**	**27704**	**-**	**109628**	**-**	**434044**

15. PERFORMANCE OF INFRASTRUCTURE IN KVK

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

Sl. No.	Demo Unit	Year of establishment	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Produce	Qty.	Cost of inputs	Gross income	
-	-	-	-	-	-	-	-	-	-

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

Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty. (Kg)	Cost of inputs	Gross income	
Paddy	10/06/22	25/09/22	0.6	GR 17	Certified seed	3150	18,000	98,280	-
Paddy	15/06/22	27/09/22	0.6	GR 18	Truthful seed	1750	18,000	57,400	-
Paddy	17/06/22	01/10/22	0.6	GNR 08	Truthful seed	1610	18,000	50,230	-
Gram	05/11/21	26/01/22	1.4	GJG 03	Certified seed	1425	21,000	1,06,875	-
Green gram	03/02/22	20/04/22	0.10	GM 6	Truthful seed	150	2000	18,600	-
Green gram	05/02/22	22/04/22	0.80	GM 6	Foundation seed	1030	16,000	1,13,300	-
Pigeon pea	01/05/21	20/11//22	0.20	GT 105	Truthful seed	174	4000	17,400	-
Mango	-	-	-	Kesar	-	Auction 1,42,000/-	-	1,42,000	-
				Totapuri	-				
				Desi	-				
Seedlings (Tomato, Brinjal, Chilli, Drumstick)	-	-	-	-	-	5940 Nos	-	5940	-

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

Sl. No.	Bio Products	Name of the Product	Qty (kg/lit)	Amount (Rs.)		Remarks
				Cost of inputs	Gross income	
-	-	-	-	-	-	-

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

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

E. Utilization of hostel facilities

Accommodation available (No. of beds):

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
-	-	-	Hostel facilities provided to Agriculture college, NAU, Waghai for students hostel purpose. Farmer hostel is also used by hill millet research station, NAU, Waghai, Dang.

F. Database management

S. No	Database target	Database created
-	-	-

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

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

H. Performance of Nutritional Garden at KVK farm
If Nutritional Garden developed at KVK farm/Village Level? Yes/No
If yes,

Nutritional Garden developed at KVK farm

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

H. Details of Skill Development Trainings organized

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

17. FINANCIAL PERFORMANCE

A. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Branch code	Account Name	Account Number	MICR Number	IFSC Number
With Host Institute	-	-	-	-	-	-	-
With KVK	State Bank of India	Waghai, Dangs	SBIN0014992	Programme coordinator, NAU, Waghai	10692111061	394002508	SBIN0014992
With KVK	State Bank of India	Waghai, Dangs	SBIN0014992	Senior scientist & Head	36984302799	394002508	SBIN0014992

B. Utilization of KVK funds during the year 2022-23 (Rs. in lakh)(Till Dec, 2022)

S. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	**Pay & Allowances**	1,01,72,000		72,22,256
2	**Traveling allowances**			75,423
3	**Contingencies**			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	8.44		8,02,114
B	POL, repair of vehicles, tractor and Equipments			
C	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)			
E	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			
H	Maintenance of buildings			
I	Establishment of Soil, Plant & Water Testing Laboratory			
J	Library			
TOTAL (A)		**1,10,16,000**		**80,99,793**
B. Non-Recurring Contingencies				
1	**Works**	-	-	-
2	**Equipments including SWTL & Furniture**	-	-	-
3	**Vehicle** (Four wheeler/Two wheeler, please specify)	-	-	-
4	**Library** (Purchase of assets like books & journals)	-	-	-
TOTAL (B)		-	-	-
C. REVOLVING FUND		59,93,961		13,80,397
GRAND TOTAL (A+B+C)		**1,70,09,961**		**94,80,190**

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

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year
April 2019 to March 2020	71,68,778.00	6,93,043.00	5,64,369.00	-
April 2020 to March2021	71,68,778.00	8,62,872.00	67,72,066.00	72,59,609.00
April 2021 to March, 2022	69,82,397.00	2,26,158.00	8,97,689.00	63,10,866.00
April 2022 to March 2023	59,93,961.00	7,87,517.00	18,38,838.00	49,42,640.00

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

Name of the staff	Designation	Title of the training programme	Institute where attended	Mode (Online/Offline)	Dates
All staff	Senior Scientist & Head, Scientist	Pradhanmantri kisan mandhan yojana	Online	Conference	01-01-2022
All staff	Senior Scientist & Head, Scientist	KVK Review meeting	Waghai	Meeting	03-01-2022
Mr. H. A. Prajapati	Scientist	RAC meeting of Horticulture - Fruit science	Online	meeting	28-01-2022
All staff	Senior Scientist & Head, Scientist	KVK Review meeting	Waghai	Meeting	24-01-1900
All staff	Senior Scientist & Head, Scientist	Online KVK review meeting of South gujarat	Online	Meeting	19-01--2022
All staff	Senior Scientist & Head, Scientist	KVK Review meeting	Waghai	Meeting	25-01-2022
Dr. P. P. Javiya	Scientist	Innovations in Potato Improvement, Production and Utilization of Technologies for Doubling Farmer's Income	CPRI, Simla	Winter School	18-01-2022 to 07-02-2022
All staff	Senior Scientist & Head, Scientist	KVK Review meeting	Waghai	Meeting	25-02-2022
All staff	Senior Scientist & Head, Scientist	Distribution of vari processing machine under ICAR - TSP project	Waghai	Workshop	18-02-2022
Dr. P. P. Javiya	Scientist	Smart Agriculture- Bringing back glory of millets	Online	Webinar	24-02-2022
Mr. H. A. Prajapati	Scientist	Budget webinar- Natural farming scientific approach	Online	Webinar	24-02-2022
Mr. H. A. Prajapati	Scientist	Food Nutrition health wash (FNHW)	Online	Workshop	25-02-2022
All staff	Senior Scientist & Head, Scientist	KVK review meeting	KVK,waghai	Meeting	03-02-2022
Mr. B. M. Vahunia	Scientist	18th PPSC Agresco meeting	Navsari	Meeting	22,23-02-2022
Dr. S. A. Patel	Scientist	Processing and quality evaluation of functional foods of animal origin	MATHURA (Online)	Winter school-Training	18 -01-2022 to 07-02-2022
Dr. J. B. Dobariya	Senior Scientist & Head	NMSA(National mission for sustainable agriculture)	Jila Panchayat, Ahwa	Meeting	04-02-2022

Dr. J. B. Dobariya	Senior Scientist & Head	100 per cent organic farming	Jila Panchayat, Ahwa	Meeting	07-02-2022
Dr. J. B. Dobariya	Senior Scientist & Head	17th Annual convocation	Central examination hall, NAU, Navsari	Convocation	08-02-2022
Dr. J. B. Dobariya	Senior Scientist & Head	Capacity building programme & trade meet with FPO/FPCs cooperative & Export on the occasion of celebrate of "Azadi ka Amrut Mahotsav"	Online	Workshop	13-02-2022
Dr. J. B. Dobariya	Senior Scientist & Head	18th AGRESCO Social science group meeting	Central examination hall, NAU, Navsari	Meeting	24-02-2022
Dr. J. B. Dobariya	Senior Scientist & Head	Online training programme on Kisan sarthi	Online	Training	26-02-2022
Dr. P. P. Javiya	Scientist	NRM Agresco sub committee meeting	MSRS, NAU, Navsari	Meeting	8,9-03-2022
Dr. P. P. Javiya, Mr. B. M. Vahunia	Scientist	Pan india implementation of Kishan Sarthi	Online	Meeting	24-03-2022
All staff	Senior Scientist & Head, Scientist	KVK Review meeting	Waghai	Meeting	24-03-2022
Mr. H. A. Prajapati	Scientist	AGRESCO - Horticulture	Navsari	meeting	05-03-2022 and 07-03-2022
Dr. J. B. Dobariya	Senior Scientist & Head	Weather watch miting	Online	Meeting	07-03-2022
Dr. P. P. Javiya	Scientist	5th foundation day of ATARI Pune	Online	Workshop	03-04-2022
Dr. P. P. Javiya, Mr. B. M. Vahunia	Scientist	Prakrutik Krushi ma Pak sarxan	AAU, Anand	Seminar	05-04-2022
All staff	Senior Scientist & Head, Scientist	KVK Review meeting	Waghai	Meeting	08-04-2022
All staff	Senior Scientist & Head, Scientist	ATMA conversation meeting	Waghai	Meeting	25-04-2022
Mr. H. A. Prajapati	Scientist	KVK review meeting	KVK,waghai	meeting	08-04-2022
Mr. H. A. Prajapati	Scientist	ATMA convergence meeting	KVK,waghai	meeting	25-04-2022
Mr. H. A. Prajapati	Scientist	Emerging Agricultural Marketing Trends and Challenges	Online	Webinar	29,30 - 04-2022
All staff	Senior Scientist & Head, Scientist	ATMA conversation meeting	Waghai	Meeting	25-04-2022
Dr. J. B. Dobariya	Senior Scientist & Head	5th foundation day of ATARI Pune	Online	Workshop	03-04-2022
Dr. J. B. Dobariya	Senior Scientist & Head	Prakrutik Krushi ma Pak sarxan	Online	Seminar	05-04-2022
All staff	Senior Scientist & Head, Scientist	KVK Review meeting	Waghai	Meeting	10-05-2022
All staff	Senior Scientist & Head, Scientist	KVK Review meeting	Waghai	Meeting	16-05-2022
All staff	Senior Scientist & Head, Scientist	KVK Review meeting	Waghai	Meeting	25-05-2022
Dr. P. P. Javiya	Scientist	Pak aayojan 2022-23	Online	Meeting	16-05-2022
Mr. H. A. Prajapati	Scientist	Jilla kaksha sajiv kheti amlikaranan samitinni bethak babat	Jilla Panchayat, Ahwa	meeting	25-05-2022
Mr. H. A. Prajapati	Scientist	ATMA Governing Board (AGB)	Jilla Panchayat, Ahwa	meeting	25-05-2022

Mr. H. A. Prajapati	Scientist	ATMA managemnet committee meeting	Jilla Panchayat, Ahwa	meeting	25-05-2022
Mr. H. A. Prajapati	Scientist	External examiner	COA, NAU,waghai	-	13-05-2022
Mr. B. M. Vahunia	Scientist	Meeting of District Level Coordination and Co-operation Committee	Ahwa, Dang	Meeting	17-05-2022
Mr. B. M. Vahunia	Scientist	Workshop for entry of DFI story into Excel	Pune, Maharashtra	Workshop	21,22-05-2022
Dr. J. B. Dobariya	Senior Scientist & Head	ATMA conversation meeting	Waghai	Meeting	04-05-2022
Dr. J. B. Dobariya	Senior Scientist & Head	ATMA governing board	Ahwa	Meeting	25-05-2022
All staff	Senior Scientist & Head, Scientist	Success story writing skills for print & electronic media	KVK, Waghai	Training	30-05-2022 to 01-06-2022
Dr. P. P. Javiya	Scientist	Advance estimate Meeting of Dang	Online	Meeting	04-06-2022
All staff	Senior Scientist & Head, Scientist	KVK review meeting	KVK, Waghai	Meeting	17-06-2022
Mr. B. M. Vahunia	Scientist	Food for thought: Applied Statistics and its implication	NAU Campus, Navsari	Seminar	29 & 30-06-2022
Dr. J. B. Dobariya	Senior Scientist & Head	National biannual conferance of KVK 2022	Solan, Himachal pradesh	Conferance	02-06-2022
Dr. J. B. Dobariya	Senior Scientist & Head	Advance estimate meeting	Online	Meeting	04-06-2022
Dr. J. B. Dobariya	Senior Scientist & Head	DDO meeting	Central examination hall, NAU, Navsari	Meeting	16-06-2022
Dr. J. B. Dobariya	Senior Scientist & Head	National Seminar-2022 on “Synergetic Extension Approaches for Livelihood Improvement and Agricultural Development”	JAU. Junagadh	Seminar	24 & 25-06-2022
Dr. J. B. Dobariya	Senior Scientist & Head	Natural farming meeting	Collector office, Ahwa	Meeting	28-06-2022
All staff	Senior Scientist & Head, Scientist	KVK review meeting	KVK, Waghai	Meeting	12-07-2022
All staff	Senior Scientist & Head, Scientist	KVK review meeting	KVK, Waghai	Meeting	16-07-2022
Dr. J. B. Dobariya	Senior Scientist & Head	Annual Zonal workshop of KVKs	Anand Agriculture University, Anand	Workshop	7,8 & 9-07-2022
Dr. J. B. Dobariya	Senior Scientist & Head	Bimonthly KVK review meeting	ATIC, NAU, Navsari	Meeting	26-07-2022
Dr. J. B. Dobariya	Senior Scientist & Head	Bimonthly KVK review meeting	ATIC, NAU, Navsari	Meeting	26-07-2022
All staff	Senior Scientist & Head, Scientist	KVK review meeting	KVK, Waghai	Meeting	25-08-2022
Mr. H. A. Prajapati	Scientist	Entrepreneurship orientation program on medicinal and aromatic plants-V (EOPMAP-V)	Online	Training	1-08-2022 to 21-08-2022
Mr. B. M. Vahunia	Scientist	Training of flag hoisting	Gym, NAU, Navsari	Meeting	06-08-2022

Mr. B. M. Vahunia	Scientist	Consultation meet on Emerging challenge in plant protection of major kharif crop	Online	Meeting	13-08-2022
Dr. J. B. Dobariya	Senior Scientist & Head	CWWG committee Meeting	Online	Meeting	10-10-2022
Dr. P. P. Javiya, Mr. S. N, Chaudhari	Scientist & SMS	PFMS antargat separate bank A/c kholava babat for DAMU project	VC conference hall, NAU, Navsari	Meeting	2-9-2022
Dr. P. P. Javiya, Mr. B. M. Vahunia	Scientist	Dakshin gujrat ma nagli pakni takniko, mukyavardhan ane nikasni sambhavna	Waghai	Training	13-9-2022
Dr. P. P. Javiya, Mr. B. M. Vahunia	Scientist	Capacity building on new technologies for technical staff of KVKs	NAU, Navsari	Workshop	15 to 17-09-2022
All staff	Senior Scientist & Head, Scientist	Meeting for Assembly election 2022	Ahwa	Meeting	9-9-2022
All staff	Senior Scientist & Head, Scientist	Meeting for Assembly election 2022	Ahwa	Meeting	22-9-2022
Dr. P. P. Javiya	Scientist	Innovations in using Information and communication technologies in Agriculture by ATMA	Online	Webinar	30-9-2022
Mr. H. A. Prajapati, Dr. J. B. Dobariya	Senior Scientist & Head, Scientist	District Mission Committee meeting	KVK,waghai	meeting	14-09-2022
Mr. H. A. Prajapati, Dr. J. B. Dobariya	Senior Scientist & Head, Scientist	Capacity building on new Emerging Technologies for Technical staff of KVKs	SSK hall, Navsari	workshop	15-09-2022 to 17-09-2022
Mr. H. A. Prajapati	Scientist	Dakshin gujrat ma nagli pakni takniko, mukyavardhan ane nikasni sambhavna	Waghai	Training	13-9-2022
Mr. H. A. Prajapati	Scientist	ATMA convergence meeting	Online	meeting	30-09-2022
Dr. S. A. Patel	Scientist	Meeting for Assembly election 2022	Ahwa	Meeting	09-09-2022
Dr. S. A. Patel, Dr. J. B. Dobariya	Senior Scientist & Head, Scientist	Meeting for Assembly election 2022	Ahwa	Meeting	22-09-2022
Dr. J. B. Dobariya	Senior Scientist & Head	Online meeting on Special Campaign 2.0 for disposal of Pending Matters from 2nd October to 31st October, 2022	Online	Online Meeting	26-9-2022
All staff	Senior Scientist & Head, Scientist	Meeting for Assembly election 2022	Ahwa	Meeting	29-10-2022
All staff	Senior Scientist & Head, Scientist	KVK Review meeting	KVK Waghai	Meeting	07-10-2022
Dr. P. P. Javiya, Mr. H. A. Prajapati	Scientist	ZREAC meeting	SSK, NAU, Navsari	Meeting	18-10-2022
Dr. P. P. Javiya	Scientist	Crop Wather watch group	Online	Meeting	14-10-2022
Dr. P. P. Javiya, Mr. H. A. Prajapati, Dr. S. A. Patel	Scientist	ગાંઠદાર ચામડીનો રોગનુ આર્થિક મહત્વ, ઓળખ, ઉપચાર અને અટકાવ	Online	Webinar	21-10-2022
Dr. J. B. Dobariya, Mr. B. M. Vahunia	Senior Scientist & Head, Scientist	ATMA Convergence meeting	ATIC, Navsari	Meeting	01-10-2022

Dr. J. B. Dobariya, Mr. B. M. Vahunia	Senior Scientist & Head, Scientist	Pre Rabi workshop	ATIC, Navsari	Workshop	01-10-2022
Dr. J. B. Dobariya	Senior Scientist & Head	Natural farming, Organic farming and chemical farming in indian agriculture-present scenario and way forward	Ujjain, MP	National conference	17 to 19 October 2022
All staff	Senior Scientist & Head, Scientist	Training for Assembly election 2022	Ahwa	Training	12-11-2022
All staff	Senior Scientist & Head, Scientist	Training for Assembly election 2022	Ahwa	Training	20-11-2022
All staff	Senior Scientist & Head, Scientist	KVK Review meeting	KVK Waghai	Meeting	07-11-2022
All staff	Senior Scientist & Head, Scientist	Meeting for Assembly election 2022	Ahwa	Meeting	28-11-2022
All staff	Senior Scientist & Head, Scientist	Meeting for Assembly election 2022	Ahwa	Meeting	29-11-2022
Dr. J. B. Dobariya	Senior Scientist & Head	Administrative meeting	ATIC, Navsari	Meeting	05-11-2022
Dr. P. P. Javiya	Scientist	Natural farming - Agroecological Approaches under Rainfed Production System	SKN Agriculture University, Jobner, Rajasthan	Training (Winter School)	08 to 28-12-2022
Dr. S. A. Patel	Scientist	Orientation cum training programme on natural farming	Kurukshetra, Haryana	Training	15-16-12-2022
Dr. J. B. Dobariya	Senior Scientist & Head	Formation and promotion of farmer producer organisation	Collector office, Ahwa	Meeting	29-12-2022

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

Name of the village	Total No. of families surveyed	Key interventions implemented	No. of farmers covered in each intervention	Change in income (Rs/unit)	
				Before (base year)	After (current year)
-	-	-	-	-	-

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

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

20. Details of Progress of ARYA Project

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

ARYA project dos not run in aur KVK.

21. Details of SAP

S. No.	*Types of major Activity conducted- SwachhtaPakhwada, Cleaning, Awareness Workshop, Microbial based Agricultural Waste Management by Vermicomposting etc.*	No. of Programmes conducted	No. of Participants
1.	Microbial Agericultural waste management using vermicomposting under SAP (22-03-202)	01	08
2.	Microbial Agericultural waste management using vermicomposting under SAP (28-03-2022)	01	08

21. Books published 2022-23

Title of the Book	Authors	ISBN No (Optional) / Pages No	Description/review of the book (one paragraph/sentence)
-	-	-	-

22. Please include any other important and relevant information which has not been reflected above (write in detail). No any

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	64	1185	818	2003
Rural youths	-	-	-	-
Extension functionaries	-	-	-	-
Sponsored Training	54	1931	592	2523
Vocational Training	01	00	33	33
Total	**119**	**3116**	**1443**	**4559**

2. Frontline demonstrations

Crops/Enterprise	No. of Farmers	Area(ha)	Units/Animals
Oilseeds	-	-	-
Pulses	190	38	-
Cereals	245	118	-
Vegetables	91	9.1	-
Other crops	163	70	-
Hybrid crops	-	-	-
Total	**689**	**235.1**	
Livestock & Fisheries	100	-	100 unit
Other enterprises	-	-	-
Total	**100**	**-**	**100 unit**
Grand Total	**789**	**235.1**	**100 unit**

3. Technology Assessment & Refinement

Category	No. of Technology Assessed & Refined	No. of Trials	No. of Farmers
Technology Assessed			
Crops	08	64	64
Livestock	01	10	10
Various enterprises	-	-	-
Total	**09**	**74**	**74**
Technology Refined			
Crops	-	-	-
Livestock	-	-	-
Various enterprises	-	-	-
Total			
Grand Total	**09**	**74**	**74**

4. Extension Programmes

Category	No. of Programmes	Total Participants
Extension activities	640	79696
Other extension activities	-	-
Total	**640**	**79696**

5. Mobile Advisory Services

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weather	Marke-ting	Aware-ness	Other enterprise	Total
	Text only	134	21	28	-	120	-	**303**
	Voice only	02	-	-	-	-	-	**02**
	Voice & Text both	-	-	-	-	-	-	**-**
	Total Messages	**136**	**21**	**28**	**-**	**120**	**-**	**305**
	Total farmers Benefitted	**247794**	**48918**	**27704**	**-**	**109628**	**-**	**434044**

6. Seed & Planting Material Production

	Quintal/Number	Value (Rs.)
Seed (q)	92.89	-
Planting material (No.)	5940	-
Bio-Products (kg)	-	-
Livestock Production (No.)	-	-
Fishery production (No.)	-	-

7. Soil, water & plant Analysis

Samples	No. of Beneficiaries	Value (Rs.)
Soil	-	-
Water	-	-
Plant	66	-
Total	**66**	

8. HRD and Publications

Sr. No.	Category	Number
1	Abstract	-
2	Workshops	10
3	Conferences	02
4	Meetings	62
5	Trainings for KVK officials	09
6	Visits of KVK officials	-
7	Book published	-
8	Training Manual	-
9	Book chapters	01
10	Booklet	-
11	Leaflets/ Folder/ Pamphlet	19
12	Research papers	01
13	Technical Bulletin	445
14	Popular article	25
15	Lead papers	-
16	Seminar papers	-
17	Extension folder	-
18	Proceedings	-
19	Award & recognition	03
20	On-going research projects	-
21	Other	-