

ICAR-ATARI, Pune
DETAILS OF ANNUAL PROGRESS REPORT OF KVKs DURING 2023
 (January 2023 to December 2023)

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	-	kvwaghai@nau.in	http://waghai.kvk8.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	kvwaghai@nau.in

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

1.5. Staff Position (as on December, 2023)

Sl. No.	Sanctioned post	Name of the incumbent	Mobile No.	Discipline	If Permanent, Please indicate		Date of joining	If Temporary, pl. indicate the consolidated amount paid (Rs./month)
					Current Pay Band	Current Grade Pay		
1.	Senior Scientist and Head	Vacant	-	-	-	-	-	-
2.	Scientist	Dr. J. B. Dobariya	9724761097	Extension Agrucultural	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	197.04	343696	--	--	--
	C-Type(1)	ICAR				--	--	--
	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	39501 (31-12-2023)	Working
Mahindra Bolero	2019	686240	86642 (31-12-2023)	Working
Soil testing van	2009	2630000	13285	Not 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 equipment			

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. Create awareness regarding grading in vegetable crop.	1. Carried out 7 training programmes with 241 farmers in attendance.		
	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	2. Popularization of single eye bud technique in sugarcane.	2. Conducted two training programmes with ninety farmers in attendance.		
	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				
	Mr. H. M. Patel, District Agriculture Officer, Ahwa, Dangs			3. Create awareness on reduction of cost of cultivation in the dang district.	3. A total of 3577 farmers benefited from our 09 training and 08 awareness programs, which included farmers meetings, Kisan Melas, exhibitions and other events. 25 farmers received Napier grass sets as FLD and other farmers received hand weeders as FLD.
	Mr. S. N. Bhagariya, Project Director, ATMA, Ahwa, Dangs				
	Mr. R. K. Mahajan, Area manager, AKRSPI, Ahwa, Dangs				
	Mr. Kashiram Birari, Agri Entrepreneur, Jamlapada, Ta. Waghai, Dangs				
	Mr. Bendubhai M. Gaikwad, Progressive Farmer, Nadagkhadi, Ta. Waghai, Dangs				
	Dr. Amol P. Gonge, Assistant Director of Horticulture, Ahwa, Dangs				
	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				
	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				
Mr. Govindbhai B. Macchi, Progressive Farmer, Uga-Chichpada, Ta. Waghai, Dangs					
Mr. Shravanbhai S. Gain, Chair person of Lotus Mandali, Nanapada, Ta. Waghai, Dangs					
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 (2023)

S. No	Crop	Area (ha)	Production (MT.)	Productivity (qt./ha)
1	Paddy	28370	78017	27.50
2	Nagli	8287	53865	6.50
3	Pigeon Pea	3472	2777	8.00
4	Black Gram	9123	68422	7.50
5	Vegetables	4812	6977	14.50
6	Fodder	90	140	15.60
	Kharif Total	54154	-	-
7	Wheat	35	647	18.50
8	Gram	15780	11835	7.50
9	Sugarcane	549	37332	680.00
10	Sorghum	62	34	5.50
11	Maize	408	265	6.50
	Rabi-Total	16834	-	-

Source: District agriculture department.

2.5. Weather data (2023)

Month	Normal RF (mm)	Normal Rainy days (number)	Temperature (⁰ C)		Relative Humidity (%)	
			Maximum	Minimum	Maximum	Minimum
January	0.0	0	30.0	11.5	95	52
February	0.0	0	35.5	12.6	66	23
March	14.5	2	35.4	17.6	68	32
April	0.0	0	38.0	20.6	57	27
May	10.5	1	38.3	25.0	69	39
June	282.5	7	35.6	27.1	77	59
July	842.5	28	29.3	25.3	97	92
August	168.5	18	30.0	25.0	96	81
September	486.0	17	31.2	24.4	96	87
October	9.5	1	34.8	20.9	96	77
November	34.5	2	33.7	18.1	98	65
December	0.0	0	32.0	17.1	99	61
Total	1848.5	76				

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

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

Sheep	-	-	-
Goats	45658	-	300 lit
Pigs	-	-	-
<i>Crossbred</i>	-	-	-
<i>Indigenous</i>	-	-	-
Rabbits	109	-	-
Hens	32350	-	185 egg/year
<i>Desi</i>	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:	-Use of traditional varieties - Poor quality of seed -Improper use of fertilizers	-Promoting Animal husbandry./ horticultural crops - Use of recommended varieties
Subir	Sajupada Bardipada Dhuldha	Gram, Black gram, Pigeon pea Oilseeds: Groundnut, Niger Vegetables: Okra Fruit crops:	- Lack of awareness about plant protection measures	- Promotion of scientific package of practices
Waghai	Zavada Vankan Chichond Bhadarpada	Mango, Custard apple Floriculture: Rose and Marigold Others: Tuber crops Animal Husbandry	-Scarcity of fodder - Repeat Breeding and Anoestrus Less interest in dairy business	- Create awareness about plant protection measures - Scientific feeding management - Artificial Insemination - Awareness about dairy enterprise

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
07	06	75	68	16	22	420	891

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
78	121	1935	4719	285	685	11700	91742

Seed Production (Qtl.)				Planting materials (Nos.)			
5				6			
Target		Achievement		Target		Achievement	
112		62.68		4000		4350	

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 2023

Sr.No.	Major crops & enterprises being practiced in cluster villages	Prioritized problems in these crops/ enterprise	Extent of area (Ha/No.) affected by the problem in the district		Names of Cluster Villages identified for intervention	Intervention (OFT, FLD, Training, extension activity etc.)*
			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.	Oilseeds: Groundnut, Niger		Black Gram	16		
7.	Vegetables: Okra, Brinjal		Pigeon Pea	22		
8.	Fruit crops: Mango, Cashew		Soybean	16		
9.			Ground nut	6		
10.	nut, Custard apple		Kharif Total	397		
11.	Floriculture: Rose and Marigold		Gram	41		
12.	Others:		Wheat	11		
13.	Tuber crops		Okra	13		
14.			Brinjal	11		
15.	Animal Husbandry		Mango	22		
16.			Cashew nut	7		
		Rabi-Total	105			

* Support with problem-cause and interventions diagram

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

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					4
Integrated Pest Management					2					2
Integrated Crop Management										
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	1	4						6

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

Thematic areas	Cattle	Poultry	Piggery	Rabbitry	Fisheries	TOTAL
Evaluation of Breeds						
Nutrition Management	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
	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					

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	30	30
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	-	-	-
Eentrepneurship 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
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 2nd year : T ₁ :9.26 qt T ₂ :11.39 qt T ₃ : 13.68 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 : GJG 6	Yield (q/ha)	Result awaited	-	-	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 3rd year: Result awaited	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)	Result awaited	-	-	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) 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 3rd year: Result awaited	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 Brinjal & 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)	Result awaited	-	-	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 - T ₁ + Chelated minerals @ 30 gm/cow/day for 120 days T ₃ - T ₁ + Chelated minerals @ 30 gm/cow/day for 120 days + Bol. Fenbendazol @ 5-7.5 / kg body weight	Lit/day	1st year : T ₁ :3.69 T ₂ :4.53 T ₃ : 5.43 2nd year: Not conducted due to lack of grant 3rd year: Result awaited	T ₃ best amonga T ₁ and T ₂	Feeding of Mineral mixture along with deworming resulted in Increase milk production. T ₃ best 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
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 2nd year : T ₁ :9.26 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

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 ₂ :11.39 qt T ₃ : 13.68 qt			
T ₁ : Farmer variety (Local Varieties) T ₂ : GJG 6	Pulse Research Station, JAU, Junagadh	Result awaited	qt /ha	Result awaited	Result awaited
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 3rd year: Result awaited	qt /ha	1st year : T ₁ :49833.33 T ₂ :116416.67 2nd year: Not conducted due to lack of grant 3rd year: Result awaited	1st year : T ₁ :2.91 T ₂ :2.55 2nd year: Not conducted due to lack of grant 3rd year: Result awaited
T ₁ : Farmers practices (Katargam) T ₂ : GNIB 21 (2014) T ₃ : GNIB 22 (2017)	Navsari Agricultural University, Navsari (2016-17)	Result awaited	qt /ha	Result awaited	Result awaited
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 3rd year: Result awaited	qt /ha	1st year : T ₁ :85366.7 T ₂ :114200 T ₃ : 126200 2nd year: Not conducted due to lack of grant 3rd year: Result awaited	1st year : T ₁ :2.91 T ₂ :3.5 T ₃ : 3.8 2nd year: Not conducted due to lack of grant 3rd year: Result awaited
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	Result awaited	qt /ha	Result awaited	Result awaited
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 3rd year: Result awaited	lit/day	1st year : T ₁ :1000 T ₂ :1700 T ₃ : 2000 2nd year: Not conducted due to lack of grant 3rd year: Result awaited	1st year : T ₁ :1.5 T ₂ :1.7 T ₃ : 1.8 2nd year: Not conducted due to lack of grant 3rd year: Result awaited

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: 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:

T₁ : Farmers Practices (Local varieties)

T₂ : GNN 8

T₃ : 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
2.	2022-23	10	1	9.26	11.39	13.68

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

Farmers Feedback

Final recommendation for micro level situation: Treatment T₃ CFMV 2 (Gira) was better than T₁ (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: 2

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:

T₁: Farmer variety (Local Varieties)

T₂: 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.		
2.	2022-23	10	1	Result awaited		

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

Farmers Feedback

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: 3

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 , Kufri 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.	
3.	2023	06	0.2	OFT is dropped due to not available of transport facility as per SAC meeting 2023	

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

Final recommendation for micro level situation:

OFT: 4

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 in Sugarcane, 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)		
				T ₁ : Farmers practices (Katargam)	T ₂ : GNIB 21 (2014)	T ₃ : GNIB 22 (2017)
2.	2022	06	0.2	Input not given due to the lack of grant.		
3.	2023	06	0.2	Result awaited		

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

Final recommendation for micro level situation:

OFT: 5

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 comparatively 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 crop in Dangs district for best performance for growth and yield for avoid these problem OFT is taken.

Treatment: T₁: Farmers practice

T₂: Installation of Pheromone trap

T₃ : Spray Azadirachtin (Neem oil based) 1500 ppm

Source of Technology: NAU, Navsari (2001)

Production system and thematic area: Integrated pest 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) 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.		
3.	2023	06	3.6	Result awaited		

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

Final recommendation for micro level situation:

OFT: 6

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

Problem definition: Low yield of Brinjal & High mortality

Details of Technologies selected for assessment: Brinjal 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. Brinjal is infected by fruit & shoot borer. Occasional out brack of this disease causing losses to farmer.

Treatment: T₁ : Farmers Practices

T₂ : Installation of pheromone traps @ 40 traps/ha (AAU,Anand)

T₃ : 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 pest 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.		
2.	2023	06	3.6	Result awaited		

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

Final recommendation for micro level situation:

OFT: 7

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 scarcity 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 farmers 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: T₁- Farmer's practice – feeding of locally available feeds and fodders

T₂- 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 - T ₁ + Chelated minerals @ 30 gm/cow/day for 120 days	T ₃ - T ₁ + Chelated minerals @ 30 gm/cow/day for 120 days + Bol. Fenbendazol @ 5-7.5 / kg body weight
1.	2021	30	-	3.69	4.53	5.43
2.	2022	30	-	Not conducted due to lack of grant.		
3.	2023	30	-	Result awaited		

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 2023 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	NOVEL		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 2023(Kharif 2023, Rabi 2022-23, Summer 2023) (Information is to be furnished in the following three tables for each category i.e. cereals, horticultural crops, oilseeds, pulses, cotton and commercial crops.)

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 2022-23	5	5	26	0	26	-
Other crops										
2.	Finger millet	ICM	New variety	Kharif 2023	5	5	25	0	25	-
3.	Little millet	ICM	New variety	Kharif 2023	5	5	25	0	25	-
4.	Paddy	ICM	New variety	Kharif 2023	5	5	25	0	25	-
Horticultural 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	
5.	Mango	ICM	New variety	<i>Kharif</i> 2023	3	3	30	0	30	-
Plant Protection										
6.	Mango	IPM	Fruit fly trap	<i>Kharif</i> 2023	5	5	25	0	25	-
7.	Finger millet	IDM	<i>Pseudomonas</i>	Rabi 2023	5	5	25	0	25	-
8.	Paddy	IPM	<i>Beauveria bassiana</i>	<i>Kharif</i> 2023	5	5	25	0	25	-
Livestock										
9.	Poultry farming	Poultry farming	Introduction of new improved birds- Rhode Island Red	Rabi 2023	20 No. of Unit	20 No. of Unit	20	0	20	-
10.	Poultry farming	Poultry farming	Introduction of new improved birds- Rhode Island Red	Rabi 2023	20 No. of Unit	20 No. of Unit	20	0	20	-
11.	Sorghum	Fodder management	Sorghum GFS-6/CSV-21F	Rabi 2023	-	-	136	0	136	-
FLD on Other Enterprise										
12.	Horticulture	Natural farming	FLD on natural farming under the Out scaling of Natural Farming through KVKs	Rabi 2023	16 No. of Unit	16 No. of Unit	16	0	16	-
13.	Extension education	Kitchen garden kit	Kitchen garden kit (Okra GAO 5, Cowpea AVCP 1, Bottalgaurd GABH 1, Pegeon pea GT 105)	Rabi 2023	150 No. of Unit	150 No. of Unit	150	0	150	-
FLDs under other schemes (Other than KVK-ICAR Budget-TSP, Adaptive trial, (Rabi, Summer-2023))										
Pulse crops										
14.	Gram (TSP)	ICM	New variety	<i>Kharif</i> 2023	6.66	6.66	50	0	50	-
15.	Green gram (TSP)	ICM	New variety	<i>Kharif</i> 2023	7.50	7.50	50	0	50	-
Other crops										
16.	Paddy (Adaptive trial)	ICM	New variety	<i>Kharif</i> 2023	15	15	30	0	30	-
Horticultural crops										
17.	Mango	ICM	New variety	Rabi 2023	1.1	1.1	11	0	11	-
18.	Okra	ICM	New variety	<i>Kharif</i> 2023	0.05	0.05	20	0	20	-
19.	Indian bean	ICM	New variety	<i>Kharif</i> 2023	2.0	2.0	20	0	20	-
Plant Protection										

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	
20.	Pigeon pea	IPM	New variety	Rabi 2023	20	20	100	0	100	-
21.	Bitterguard	IPM	New variety	<i>Kharif</i> 2023	41	41	100	0	100	-
FLD on Farm Implements and Machinery										
22.	Hand weeder (KVK regular)	Kitchen garden, pulses	Drudgery reduction technology	Rabi 2023	28	28	28	0	28	-

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 2022-23	Rainfed	Lateritic black Hilly	H	M	H	Gram	20-06-2022	01-02-2023	2704.0	73
Other crops											
Finger millet	<i>Kharif</i> 2023	Rainfed	Lateritic black Hilly	H	M	H	Gram	16-06-2023	28-11-2023	1823.5	73
Little millet	<i>Kharif</i> 2023	Rainfed	Lateritic black Hilly	H	M	H	Paddy	16-06-2023	28-11-2023	1823.5	73
Paddy	<i>Kharif</i> 2023	Rainfed	Lateritic black Hilly	H	M	H	Green gram	01-06-2023	31-10-2023	1789	71
Horticultural other crops											
Mango	<i>Kharif</i> 2023	Irrigated	Lateritic black Hilly	H	M	H	-	-	-	-	-
Plant Protection											
Mango	<i>Kharif</i> 2023	Irrigated	Lateritic black Hilly	H	M	H	Mango	-	-	-	-
Finger millet	Rabi 2023	Rain fed	Lateritic	H	M	H	Pigeon pea	22-08-2023	01-11-2023	698.5	38

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					
			black Hilly								
Paddy	<i>Khariif</i> 2023	Rain fed	Lateritic black Hilly	H	M	H	Paddy	01-06-2023	31-10-2023	530	20
Livestock											
Sorghum	Rabi 2023	Rainfed	Lateritic black Hilly	H	M	H	-	-	-	-	-
FLD on Other Enterprise											
Natural farming	<i>Khariif</i> 2022	Irrigated	Lateritic black Hilly	H	M	H	-	14-02-2022	01-06-2023	307.5	10
Kitchen garden kit	Rabi 2022	Rainfed	Lateritic black Hilly	H	M	H	-	-	-	-	-
FLDs under other schemes (Other than KVK-ICAR Budget-TSP, Adaptive trial, (Rabi, Summer-2022))											
Pulse crops											
Gram (TSP)	<i>Khariif</i> 2023	Irrigated	Lateritic black Hilly	H	M	H	Paddy	15-11-2022	01-03-2023	00	00
Green gram (TSP)	<i>Khariif</i> 2023	Irrigated	Lateritic black Hilly	H	M	H	Pigeon pea	07-02-2023	31-05-2023	25	03
Other crops											
Paddy (Adaptive trial)	<i>Khariif</i> 2023	Irrigated	Lateritic black Hilly	H	M	H	Gram	21-06-2023	31-10-2023	1789	71
Horticultural crops											
Mango	Rabi 2023	Rainfed	Lateritic black Hilly	H	M	H	-	-	-	-	-
Okra	<i>Khariif</i> 2023	Irrigated	Lateritic black Hilly	H	M	H	Pigeon pea	11-11-2022	01-03-2023	00	00
Indian bean	<i>Khariif</i> 2023	Irrigated	Lateritic black Hilly	H	M	H	Gram	10-11-2022	01-03-2023	00	00
Plant Protection											
Pigeon pea	Rabi 2023	Rainfed	Lateritic	H	M	H	Gram	12-09-2022	01-02-2023	652	22

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					
			black Hilly								
Bitterguard	<i>Kharif</i> 2023	Irrigated	Lateritic black Hilly	H	M	H	-	01-01-2023	01-04-2023	14.5	02

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 <i>Bijnigam</i> .
3.	Need some basic recommendation of Natural farming from the university.

Sr. No.	Feed Back
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	01	28-07-2023	32	Nil
2	Farmers Training	07	03-11-2023, 04-11-2023, 22-12,2023, 02-12-2023, 04-11-2023, 19-06-2023, 30-11-2023	175	Nil
3	Media coverage	143	-	-	Nil
4	Training for extension functionaries	-	-	-	-

C. Performance of Frontline demonstrations

Performance of Frontline demonstrations (*Rabi, Kharif-2022, Summer-2023*)

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	26	5	15.25	12.50	13.80	10.62	29.94	20000	62100	42100	3.11	18000	47790	29790	2.66

* 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 2023*):

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	CFMV 2(Gira)	25	5	16.35	13.40	14.57	9.95	46.43	12000	58280	46280	4.86	10000	39800	29800	3.98
Little millet	ICM	New variety	GNV 3	25	5	14.30	11.70	13.11	9.75	34.46	10000	45885	35885	4.59	8000	34125	26125	4.27
Paddy	ICM	New variety	GR 17	25	5	28.20	25.05	27.48	22.10	24.34	20000	49464	29464	2.47	25000	39780	14780	1.59
Horticultural other crops (2023)																		
Mango	ICM	New variety	Kesar	30	3	80% Survival rate												
Plant Protection (2023)																		
Mango	IPM	Fruit fly trap	Local varieties	25	5	65	61.5	63.06	52.9	19.44	50000	239658.4	189658.4	4.79	49500	201020	151520	4.06
Fingermillet	IDM	<i>Pseudomonas</i>	Local varieties	25	5	13.5	12	12.96	9.9	29.86	12000	51856	39856	4.32	10000	39984	29984	3.99

Category & Crop	Thematic Area	Name of the technology	Variety/ Input	No. of Farmers	Area (ha)	Yield (q/ha)			Check	% Change in Yield	Economics of demonstration* (Rs./ha)				Economics of check (Rs./ha)			
						Demo					Gross Cost	Gross Return	Net Return	BCR** (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
						H	L	Av.										
Paddy	IPM	<i>Beauveria bassiana</i>	Hybrid	25	5	26	24.5	25.28	21.59	17.14	25000	48039.6	23039.6	1.92	24500	40943.6	16443.6	1.67

* 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-2023):

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.	Poultry farming	Introduction of new improved birds- Rhode Island Red	20	10 Poultry	142 eggs/year	89 eggs/year	59.5	-	-	2000	5200	3200	2.6	1400	3100	1700	2.21	
Dairy cow (Adaptive trial)																		
1.	Poultry farming	Introduction of new improved birds- Rhode Island Red	20	10 Poultry	135 eggs/year	85 eggs/year	58.8	-	-	2000	4900	2900	2.45	1400	2900	1500	2.07	
2.	Fodder management	Sorghum GFS 6	108	13.5 ha	322	265	21.51	-	-	26000	80500	54500	3.09	27000	66250	39250	2.45	
3.	Fodder management	Sorghum CSV 21F	28	3.5 ha	310	257	20.62	-	-	26000	77500	51500	2.98	27000	64250	37250	2.37	

* 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-2023):

Category and Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of Units/ha	Yield (Kg)		% change in yield	Economics of demonstration (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	BCR (R/C)
Horticulture	Natural farming	FLD on natural farming under the Out scaling of Natural Farming through KVKs	16	2.24 ha	5.23	6.08	-13.71	14643.75	34043.75	19400	2.33
Extension education	Kitchen garden kit	Kitchen garden kit (Okra GAO 5, Cowpea AVCP 1, Bottalgaurd GABH 1, Pegeon pea GT 105)	150	150	85.5	45	90	900	2700	1800	3.0

FLD on Farm Implements and Machinery

Name of the implement	Crop	Technology demonstrated	No. of Farmer	Area (ha)	Major parameters	Filed observation (output/man hour)		% change in major parameter	Labor reduction (man days)				Cost reduction (Rs./ha or Rs./Unit etc.)			
						Demo	Check		Land preparation	Sowing	Weeding	Total	Land preparation	Labour	Irrigation	Total
Hand weeder (KVK regular)	Kitchen garden, pulses	Drudgery reduction technology	28	28	Labour requirement man hour/ha	78	122	5.5	--	--	5.5	5.5	--	2046	--	2046

FLDs under other schemes (Other than KVK-ICAR Budget-TSP, Adaptive trial, (Rabi, Summer-2023):

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														

Gram (TSP)	ICM	New variety	GJG 3	50	6.66	16.00	12.84	14.64	10.75	36.19	16500	73200	56700	4.44
Green gram (TSP)	ICM	New variety	GM 6	50	7.50	10.19	8.52	9.41	6.16	52.76	20000	67752	47752	3.39
Other crops														
Paddy (Adaptive trial)	ICM	New variety	GR 17	30	15	31.38	22.18	27.72	21.98	26.11	20000	49896	29896	2.49
Horticultural crops														
Mango	ICM	New variety	Kesar	11	1.1	80% Survival rate								
Okra	ICM	New variety	Purna rakshak	20	0.05	76	62	70.25	96.2	-26.76	80000	210750	130750	2.63
Indian bean	ICM	New variety	GNIB 22	20	2.0	41	29	35.35	26.25	35.31	41627.5	88375	46747.5	2.12
Plant Protection														
Pigeon pea	IPM	Pheromone trap	Local varieties	100	20	14.5	13.1	13.55	10.18	33.17	20000	53905	33905	2.69
Bitterguard	IPM	Cue lure trap	Local varieties	100	41	98	92	96.06	81.57	17.89	60000	240150	180150	4.00

* 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 (2023-24)

Sr. No.	Discipline	Season	Crop/ Enterprise	Variety/ Technology Input	Area (ha)	No. of Demo.
1.	Crop Production	<i>Kharif, 2023-24</i>	Chickpea	GJG 3	5	25
2.	Horticulture	<i>Kharif, 2023-24</i>	Mango	Kesar	5	50
3.		<i>Kharif, 2023-24</i>	Okra	NOVEL & Bio fertilizer	2.5	25
4.		<i>Kharif, 2023-24</i>	Indian been	GNIB 22	0.50	5
5.		Plant Protection	<i>Kharif, 2023-24</i>	Bittergourd	Cue lure trap	5
6.	<i>Kharif, 2023-24</i>		Cashewnut	Beauveria	5	25
7.	Animal Science	<i>Rabi 2021-22</i>	Sorghum	CSV 21F	-	20
Total					23 ha	175

IX. Demonstrations given under other schemes (*kharif/Rabi/Summer,2023-24*):

Sr. No.	Scheme/ Particulars of the FLD	Season	Crop	Variety/ Component/ Technology	Area/Unit	No. of Demo.
I	Adaptive trial (Phase-2)					
1.	Crop production	Rabi, 2023-24	Pigeon pea	GT 105	5	25
2.		Rabi, 2023-24	Pigeon pea (CFLD)	GT 104	20	50
3.	Horticulture	Rabi, 2023-24	Brinjal	GNRB 1	0.4	40
4.		Rabi, 2023-24	Indian been	GNIB 22	1.4	14
5.	Plant Protection	Rabi, 2023-24	Mushroom	Mushroom	60 Unit	60
6.	Extension education	Rabi, 2023-24	Tween wheel hoe	Tween wheel hoe	31 unit	31
Total					26.8 ha & 91 unit	220

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				36	15	51	36	15	51
Resource Conservation Technologies										
Cropping Systems										
Crop Diversification										
Integrated Farming										
Micro Irrigation/irrigation										
Seed production										
Nursery management										
Integrated Crop Management	10				257	136	393	257	136	393
Soil & water conservation										
Integrated nutrient management										
Production of organic inputs	1				11	0	11	11	0	11
Others (pl. specify) (Natural farming)	5				112	91	203	112	91	203
Total	17				416	242	658	416	242	658
II Horticulture										
a) Vegetable Crops										
Production of low value and high value crops	1				26	9	35	26	9	35
Off-season vegetables	1				0	32	32	0	32	32
Nursery raising	2				4	82	86	4	82	86
Exotic vegetables										
Export potential vegetables	2				22	37	59	22	37	59
Grading and standardization										
Protective cultivation										
Others (pl specify)	4				99	55	154	99	55	154
Total (a)	10				151	215	366	151	215	366
b) Fruits										
Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit	2				111	27	138	111	27	138
Management of young plants/orchards										
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques										
Others (pl specify)	5				127	126	253	127	126	253
Total (b)	7				238	153	391	238	153	391
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				24	5	29	24	5	29
Processing and value addition										
Others (pl specify)										
Total (d)	1				24	5	29	24	5	29
e) Tuber crops										
Production and Management technology										
Processing and value addition										
Others (pl specify)										
Total (e)										
f) Spices										
Production and Management technology										
Processing and value addition										
Others (pl specify)										
Total (f)										

g) Medicinal and Aromatic Plants									
Nursery management									
Production and management technology									
Post harvest technology and value addition									
Others (pl specify)									
Total (g)									
Grand Total (a to g)	18		413	373	786	413	373	786	
III Soil Health and Fertility Management									
Soil fertility management									
Integrated water management	1		17	24	41	17	24	41	
Integrated Nutrient Management									
Production and use of organic inputs									
Management of Problematic soils									
Micro nutrient deficiency in crops									
Nutrient Use Efficiency									
Balance use of fertilizers									
Soil and Water Testing									
Others (pl specify)									
Total	1		17	24	41	17	24	41	
IV Livestock Production and Management									
Dairy Management	6		15	171	186	15	171	186	
Poultry Management									
Piggery Management									
Rabbit Management									
Animal Nutrition Management	4		28	114	142	28	114	142	
Disease Management	2		2	88	90	2	88	90	
Feed & fodder technology	2		0	72	72	0	72	72	
Production of quality animal products									
Others (pl specify)	2		8	49	57	8	49	57	
Total	16		53	494	547	53	494	547	
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	1		36	11	47	36	11	47	
Processing and cooking									
Gender mainstreaming through SHGs									
Storage loss minimization techniques									
Value addition									
Women empowerment									
Location specific drudgery reduction technologies									
Rural Crafts									
Women and child care									
Others (pl specify)									
Total	1		36	11	47	36	11	47	
VI Agril. Engineering									
Farm Machinery and its maintenance	1		34	19	53	34	19	53	
Installation and maintenance of micro irrigation systems									
Use of Plastics in farming practices									
Production of small tools and implements	1		6	43	49	6	43	49	
Repair and maintenance of farm machinery and implements									
Small scale processing and value addition									
Post Harvest Technology									
Others (pl specify)									
Total	2		40	62	102	40	62	102	
VII Plant Protection									
Integrated Pest Management	7		103	198	301	103	198	301	
Integrated Disease Management	8		84	284	368	84	284	368	
Bio-control of pests and diseases									
Production of bio control agents and bio pesticides									
Others (pl specify)	3		80	62	142	80	62	142	
Total	18		267	544	811	267	544	811	

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				20	30	50	20	30	50
Group dynamics	1				1	32	33	1	32	33
Formation and Management of SHGs	1				23	24	47	23	24	47
Mobilization of social capital	1				2	28	30	2	28	30
Entrepreneurial development of farmers/youths	1				27	1	28	27	1	28
WTO and IPR issues										
Others (pl specify)	8				197	91	288	197	91	288
Total	13				270	206	476	270	206	476
XI Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (pl specify)										
Total										
GRAND TOTAL	86				1512	1956	3468	1512	1956	3468

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										
Resource Conservation Technologies										
Cropping Systems										
Crop Diversification										
Integrated Farming										
Micro Irrigation/irrigation										
Seed production										
Nursery management										
Integrated Crop Management	3				109	35	144	109	35	144
Soil & water conservation	1				33	0	33	33	0	33
Integrated nutrient management										
Production of organic inputs	2				36	27	63	36	27	63

Others (pl specify)	2				46	21	67	46	21	67
Total	8				224	83	307	224	83	307
II Horticulture										
a) Vegetable Crops										
Production of low value and high value crops										
Off-season vegetables										
Nursery raising										
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation										
Others (pl specify)	2				73	29	102	73	29	102
Total (a)	2				73	29	102	73	29	102
b) Fruits										
Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit	1				22	6	28	22	6	28
Management of young plants/orchards	1				10	20	30	10	20	30
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques										
Others (pl specify)	1				12	14	26	12	14	26
Total (b)	3				44	40	84	44	40	84
c) Ornamental Plants										
Nursery Management										
Management of potted plants										
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants										
Others (pl specify)										
Total (c)										
d) Plantation crops										
Production and Management technology										
Processing and value addition										
Others (pl specify)										
Total (d)										
e) Tuber crops										
Production and Management technology										
Processing and value addition										
Others (pl specify)										
Total (e)										
f) Spices										
Production and Management technology										
Processing and value addition										
Others (pl specify)										
Total (f)										
g) Medicinal and Aromatic Plants										
Nursery management										
Production and management technology										
Post harvest technology and value addition										
Others (pl specify)										
Total (g)										
Grand Total (a to g)	5				117	69	186	117	69	186
III Soil Health and Fertility Management										
Soil fertility management										
Integrated water management										
Integrated Nutrient Management										
Production and use of organic inputs										
Management of Problematic soils										
Micro nutrient deficiency in crops										
Nutrient Use Efficiency										
Balance use of fertilizers										
Soil and Water Testing										
Others (pl specify)										
Total										
IV Livestock Production and Management										
Dairy Management	2				16	29	45	16	29	45
Poultry Management										

Piggery Management									
Rabbit Management									
Animal Nutrition Management	1			26	6	32	26	6	32
Disease Management									
Feed & fodder technology	1			40	18	58	40	18	58
Production of quality animal products									
Others (pl specify)	1			8	13	21	8	13	21
Total	5			90	66	156	90	66	156
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									
Location specific drudgery reduction technologies									
Rural Crafts									
Women and child care	1			13	25	38	13	25	38
Others (pl specify)									
Total	1			13	25	38	13	25	38
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	3			39	62	101	39	62	101
Integrated Disease Management	3			44	79	123	44	79	123
Bio-control of pests and diseases	1			12	15	27	12	15	27
Production of bio control agents and bio pesticides									
Others (pl specify)									
Total	7			95	156	251	95	156	251
VIII Fisheries									
Integrated fish farming									
Carp breeding and hatchery management									
Carp fry and fingerling rearing									
Composite fish culture									
Hatchery management and culture of freshwater prawn									
Breeding and culture of ornamental fishes									
Portable plastic carp hatchery									
Pen culture of fish and prawn									
Shrimp farming									
Edible oyster farming									
Pearl culture									
Fish processing and value addition									
Others (pl specify)									
Total									
IX Production of Inputs at site									
Seed Production									
Planting material production									
Bio-agents production									
Bio-pesticides production									
Bio-fertilizer production									

Vermi-compost production									
Organic manures production									
Production of fry and fingerlings									
Production of Bee-colonies and wax sheets									
Small tools and implements									
Production of livestock feed and fodder									
Production of Fish feed									
Mushroom Production									
Apiculture									
Others (pl specify)									
Total									
X Capacity Building and Group Dynamics									
Leadership development									
Group dynamics									
Formation and Management of SHGs									
Mobilization of social capital	1			27	5	32	27	5	32
Entrepreneurial development of farmers/youths									
WTO and IPR issues									
Others (pl specify)	1			15	25	40	15	25	40
Total	2			42	30	72	42	30	72
XI Agro-forestry									
Production technologies									
Nursery management									
Integrated Farming Systems									
Others (pl specify)									
Total									
GRAND TOTAL	28			581	429	1010	581	429	1010

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	1				36	15	51	36	15	51
Resource Conservation Technologies										
Cropping Systems										
Crop Diversification										
Integrated Farming										
Micro Irrigation/irrigation										
Seed production										
Nursery management										
Integrated Crop Management	13				366	171	537	366	171	537
Soil & water conservation	1				33	0	33	33	0	33
Integrated nutrient management										
Production of organic inputs	3				47	27	74	47	27	74
Others (pl specify)	7				158	112	270	158	112	270
Total	25				640	325	965	640	325	965
II Horticulture										
a) Vegetable Crops										
Production of low value and high value crops	1				26	9	35	26	9	35
Off-season vegetables	1				0	32	32	0	32	32
Nursery raising	2				4	82	86	4	82	86
Exotic vegetables										
Export potential vegetables	2				22	37	59	22	37	59
Grading and standardization										
Protective cultivation										
Others (pl specify)	6				172	84	256	172	84	256
Total (a)	12				224	244	468	224	244	468
b) Fruits										
Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit	3				133	33	166	133	33	166
Management of young plants/orchards	1				10	20	30	10	20	30
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques										

Others (pl specify)	6				139	140	279	139	140	279
Total (b)	10				282	193	475	282	193	475
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				24	5	29	24	5	29
Processing and value addition										
Others (pl specify)										
Total (d)	1				24	5	29	24	5	29
e) Tuber crops										
Production and Management technology										
Processing and value addition										
Others (pl specify)										
Total (e)										
f) Spices										
Production and Management technology										
Processing and value addition										
Others (pl specify)										
Total (f)										
g) Medicinal and Aromatic Plants										
Nursery management										
Production and management technology										
Post harvest technology and value addition										
Others (pl specify)										
Total (g)										
Grand Total (a to g)	23				530	442	972	530	442	972
III Soil Health and Fertility Management										
Soil fertility management										
Integrated water management	1				17	24	41	17	24	41
Integrated Nutrient Management										
Production and use of organic inputs										
Management of Problematic soils										
Micro nutrient deficiency in crops										
Nutrient Use Efficiency										
Balance use of fertilizers										
Soil and Water Testing										
Others (pl specify)										
Total	1				17	24	41	17	24	41
IV Livestock Production and Management										
Dairy Management	8				31	200	231	31	200	231
Poultry Management										
Piggery Management										
Rabbit Management										
Animal Nutrition Management	5				54	120	174	54	120	174
Disease Management	2				2	88	90	2	88	90
Feed & fodder technology	3				40	90	130	40	90	130
Production of quality animal products										
Others (pl specify)	3				16	62	78	16	62	78
Total	21				143	560	703	143	560	703
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	1				36	11	47	36	11	47
Processing and cooking										
Gender mainstreaming through SHGs										
Storage loss minimization techniques										
Value addition										
Women empowerment										
Location specific drudgery reduction technologies										

Rural Crafts									
Women and child care	1		13	25	38	13	25	38	
Others (pl specify)									
Total	2		49	36	85	49	36	85	
VI Agril. Engineering									
Farm Machinery and its maintenance	1		34	19	53	34	19	53	
Installation and maintenance of micro irrigation systems									
Use of Plastics in farming practices									
Production of small tools and implements	1		6	43	49	6	43	49	
Repair and maintenance of farm machinery and implements									
Small scale processing and value addition									
Post Harvest Technology									
Others (pl specify)									
Total	2		40	62	102	40	62	102	
VII Plant Protection									
Integrated Pest Management	10		142	260	402	142	260	402	
Integrated Disease Management	11		128	363	491	128	363	491	
Bio-control of pests and diseases	1		12	15	27	12	15	27	
Production of bio control agents and bio pesticides									
Others (pl specify)	3		80	62	142	80	62	142	
Total	25		362	700	1062	362	700	1062	
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		20	30	50	20	30	50	
Group dynamics	1		1	32	33	1	32	33	
Formation and Management of SHGs	1		23	24	47	23	24	47	
Mobilization of social capital	2		29	33	62	29	33	62	
Entrepreneurial development of farmers/youths	1		27	1	28	27	1	28	
WTO and IPR issues									
Others (pl specify)	9		212	116	328	212	116	328	
Total	15		312	236	548	312	236	548	
XI Agro-forestry									
Production technologies									

Nursery management										
Integrated Farming Systems										
Others (pl specify)										
Total										
GRAND TOTAL	114				2093	2385	4478	2093	2385	4478

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

Area of training	No. of Courses	No. of Participants								
		General/ Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops										
Integrated Pest Management										
Integrated Nutrient management										
Rejuvenation of old orchards										
Protected cultivation technology										
Production and use of organic inputs										
Care and maintenance of farm machinery and implements										
Gender mainstreaming through SHGs										
Formation and Management of SHGs										
Women and Child care										
Low cost and nutrient efficient diet designing										
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application										
Management in farm animals	1				0	50	50			
Livestock feed and fodder production										
Household food security										
Any other (pl.specify)	1				3	55	58			
TOTAL	2				3	105	108			

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

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

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

Area of training	No. of Courses	No. of Participants								
		General/ Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total

Productivity enhancement in field crops										
Integrated Pest Management										
Integrated Nutrient management										
Rejuvenation of old orchards										
Protected cultivation technology										
Production and use of organic inputs										
Care and maintenance of farm machinery and implements										
Gender mainstreaming through SHGs										
Formation and Management of SHGs										
Women and Child care										
Low cost and nutrient efficient diet designing										
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application										
Management in farm animals	1				0	50	50			
Livestock feed and fodder production										
Household food security										
Any other (pl.specify)	1				3	55	58			
TOTAL	2				3	105	108			

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	11				309	195	504	309	195	504
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)	26				363	864	1227	363	864	1227
Total	37				672	1059	1731	672	1059	1731
Post harvest technology and value addition										
Processing and value addition										
Others (pl. specify)										
Total										
Farm machinery										
Farm machinery, tools and implements										
Others (pl. specify)										
Total										
Livestock and fisheries										
Livestock production and management										
Animal Nutrition Management	9				31	324	355	31	324	355
Animal Disease Management										
Fisheries Nutrition										
Fisheries Management										
Others (pl. specify)	2				40	68	108	40	68	108
Total	11				71	392	463	71	392	463
Home Science										
Household nutritional security										
Economic empowerment of women										
Drudgery reduction of women										
Others (pl. specify)										
Total										
Agricultural Extension										
Capacity Building and Group Dynamics	10				211	233	444	211	233	444
Others (pl. specify) (Ext. Education) (Plant Protection)	2				50	0	50	50	0	50
Total	12				261	233	494	261	233	494
GRAND TOTAL	60				1004	1684	2688	1004	1684	2688

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	1				17	13	30	17	13	30
Organic farming	2				13	33	46	13	33	46
Others (pl. specify)	1				07	25	32	07	25	32
Total	4				37	71	108	37	71	108
Post harvest technology and value addition										
Value addition										
Others (pl. specify)										
Total										
Livestock and fisheries										
Dairy farming										
Composite fish culture										
Sheep and goat rearing										
Piggery										
Poultry farming	1				16	09	25	16	09	25
Others (pl. specify)										
Total	1				16	09	25	16	09	25
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, dyeing etc.										
Agril. para-workers, para-vet training										
Others (pl. specify)										
Total										
Agricultural Extension										
Capacity building and group dynamics										
Others (pl. specify)										
Total										
Grand Total	5				53	80	133	53	80	133

3.5. Extension Programmes

Activities	No. of programmes	No. of farmers			TOTAL
		Male	Female	Total	
Diagnostic visits	33	76	14	90	90
Field Day	01	32	0	32	32
KisanGhoshi	03	134	23	157	157
Film Show	45	639	936	1575	1575
KisanMela	02	574	466	1040	1040
Exhibition	14	2431	2786	5217	5217
Scientists' visit to farmers field	18	191	13	204	204
Farmers' seminar/workshop	12	720	634	1354	1354
Method Demonstrations	58	976	794	1770	1770
Celebration of important days	21	720	634	1354	1354
Exposure visits	06	72	24	96	96
Others (pl. specify)					
Lecture delivered	182	10754	9604	20358	20358
Field visit	36	67	28	95	95

FLD visit	31	46	20	66	66
Framers visit to KVK	22	1444	1407	2851	2851
Animal camp	01	9	7	16	16
Farmers Scientist interaction	10	60	10	70	70
Farmers meetings	02	39	17	56	56
BRS students placement	04	24	08	32	32
TV, Redio talk	03	-	-	-	-
Farm school	08	225	71	296	296
Survey work	25	2812	448	3260	3260
Swachh bharat abhiyan	01	05	04	09	09
Video send to Farmers mobile	63	49478	00	49478	49478
Telephone helpline	84	2266	00	2266	2266
Total	685	73794	17948	91742	91742

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

Details of other extension programmes:

Particulars	Number
Electronic Media (CD./DVD)	0
Extension Literature	07
Newspaper coverage	134
Popular articles	06
Radio Talks	00
TV Talks	03
Animal health camps (Number of animals treated)	01
Social Media (No. of platforms Used)	03
Others (pl. specify)	
Plant Health Clinic diagnostic services	76
Success story	05
Technical report	346
Kisan SMS/Whatsapp SMS	92
Telephone helpline	84
Total	757

3.6 Online activities during year 2023

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	-	-	-	-
	Total				
E	Any other (Pl. specify)				
1	-	-	-	-	-
	Total	-	-	-	-
	Grand Total (A+B+C+D+E)	-	-	-	-

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 18	12.00	29520	-
Cereals	Paddy	New variety	GNR 07	15.30	45750	-
Cereals	Paddy	New variety	GR 17	5.75	17940	-
Cereals	Paddy	New variety	GNR 09	4.35	7020	-
Cereals	Paddy	New variety	GNR 08	6.75	21060	-
Pulses	Gram	New variety	GJG 06	9.80	73500	-
Pulses	Green gram	New variety	GM 06	6.45	83850	-
Pulses	Pigeon pea	New variety	GT 105	2.28	25080	-

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	-	7755	7755	120
Fruits	Mango	New variety	Kesar, Totapuri, Desi	-	71,151/- Auction	-

Production of Bio-Products

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

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	Evaluation of frontline demonstration of new technology on chickpea (<i>Cicer arietinum</i> L.) in Dang district of Gujarat. <i>Journal of Food Legumes</i> , 36(2 & 3): 183-186.	Javiya, P. P.; Baldaniya, M. J.; Vahunia, B. M. ; Patel, S. A.; Rana, K. N. and Patel, V. M.(2023).	01
	Oyster mushroom cultivation - Enterprise for self employment of Rural Youth and farm women. Abstract In ‘‘Conference held at Malla Reddy University, Hyderabad, Just agriculture Edu. Group and ISAHRD, Chandigarh.	Vahunia, B. M.; Javiya, P. P. and Patel, S. A. (2023).	01
	Adoption of integrated farming system through proper water harvesting. <i>Agri gate</i> , Vol. 3, Issue 06, page 74-77.	Dobariya J.B., Patel S.A., Vahuniya B.M., Prajapati, H.A. and Javiya, P.P. (2023)	01
	Digital Agriculture:the Future of Indian Agriculture. <i>International Journal of Environmental Science and Climate Change. Volume 13,pp:3963-3976</i>	Kadam,D.M.; Chouhan, D.; Roy, T; Prajapati, H. A.; Tiwari, N.; Nandeha, Mishra, N. R. (2023).	01
	Application of Robotics, Artificial Intelligence and Deep learning in Modern Agriculture Technology: A Review. <i>International Journal of Plant and Soil Science. Volume 35, issue 23 pp:106-116</i>	Prajapati, H. A.; Kadam, D. M.; Aitwar, S. S.; Jagtap, P.D.; Singh, D.; Nandeha, N and Mukherjee,D. (2023).	01
	Performance of frontline demonstration of Okra var.PurnaRakshak. <i>The Pharma Innovation Journal</i> , 12(9): 932-934	Gurjar, R.A.; Salunkhe, S; Shah, K.A.; Prajapati,H. A. and Chauhan, N.M. (2023).	01
Abstract	Demonstrations plot study for yield and economic evaluation of little gourd (GNLG-1) and pointed gourd(GNPG-1) varieties. <i>The Pharma Innovation Journal</i> , 12(9): 246-248	Gurjar, R.A.; Shah, K.A ,Nayka, P.; Prajapati,H. A. and Chauhan, N.M. (2023).	01
	In: <i>Proceedings of 5th International conference ‘‘Climate Change and its Impact (CCI, 2023) on Evaluation of Frontline Demonstration of new technology on Chickpea (Cicer arietinum L.) in Dang district of Gujarat.</i> Agricultural & Environmental Technology Development Society(AETDS), U.S. Nagar, Uttarakhand, India, and hosted by Sher-e-Kashmir University of Agricultural Sciences and Technology of Kashmir (SKUAST-K) Srinagar, J&K., India. 291 p.	Javiya, P. P.; Baldaniya, M. J.; Vahunia, B. M. ; Patel, S. A.; Rana, K. N. and Patel, V. M.(2023).	01
	In: <i>souvenir of National Conference ‘‘Transformation of Agra-Technologies for Enhancing production under Diverse Agro-Ecosystem’’ on Effect of various cow-based bio-enhancers and botanicals on growth, yield and quality of organic wheat (Triticum aestivum L.).</i> College of Agriculture, NAU, Waghai and Navsari Chapter - Indian Society of Agronomy,	Javiya, P. P.; Mathukia, R.K.; Kaneria, S.C. and Rupareliya, V.V. (2023).	01

	Navsari Agricultural University, Navsari, Gujarat. 245-246 p.		
	In: <i>souvenir of National Conference "Transformation of Agra-Technologies for Enhancing production under Diverse Agro-Ecosystem" on Influence of various cow-based bio-enhancers and botanicals on yield, nutrient uptake of organic wheat (Triticum aestivum L.). And soil properties.</i> College of Agriculture, NAU, Waghai and Navsari Chapter - Indian Society of Agronomy, Navsari Agricultural University, Navsari, Gujarat. 76-77 p.	Javiya, P. P.; Rupareliya, V.V.; Hirapara, K. V.; Patel, V. M.; Baldaniya, M. J. and Dholariya, H. P.(2023).	01
	A Scale to measure Aspiration of Educated youth towards Agricultural enterprises, Abstract book of national seminar on “Evolving Extension Science towards secondary Agriculture for Sustainable Development”, University of Agricultural Sciences, Bangalore, 22 to 24 June 2023	Dobariya J. B.; Patel R. S. and Pandya R. D. (2023).	01
	Impact of KVK activities in adopted villages of KVK-Dangs, Abstract book of national seminar on “Evolving Extension Science towards secondary Agriculture for Sustainable Development”, University of Agricultural Sciences, Bangalore, 22 to 24 June 2023	Dobariya J. B.; Patel, S.A and Vahuniya B. M.. (2023).	01
	EFFECT OF FOLIAR APPLICATION OF LIQUID ORGANIC NUTRIENTS ON VEGETATIVE GROWTH AND CORM YIELD OF ELEPHANT FOOT YAM VAR. SWAGATA	Sarkar, M.; Chaudhari, B. N.; Jadav, N. K.; Aklade, S. A.; Prajapati, H. and Patil, H. E.	01
	EFFECT OF DIFFERENT TRANSPLANTING TIMES ON GROWTH AND YIELD OF LETTUCE VAR. GREAT LAKES	Jadav, N. K.; Prajapati, H. A and Sarkar, M.	01
Technical reports	Report of SAP	ATARI, Pune	01
	Activities of IYOM 2023	ATARI, Pune	01
	21 days training report	Registrar NAU, Navsari	01
	Activities carried out under the project “Out scaling of natural farming through KVKs”	ATARI, Pune	01
	Quarterly report (01-10-2022 to 31-12-2022) of plan scheme - Adaptive Trial	DEE, NAU, Navasari	01
	Regarding SAC meeting at KVK, NAU, Waghai (Dang)	ATARI Pune	01
	Regarding SAC meeting at KVK, NAU, Waghai (Dang)	DEE, NAU, Navasari	01
	Publication of the quarterly NAU spectrum news bulletin for the period of Oct.-22 to Dec.-22	ATARI Pune	01
	Monthly Progress Report of December 2022	DEE, NAU, Navasari	01
	Progress of TSP for Quarter-3 Oct to Dec 2022	DEE, NAU, Navasari	01
	Natural farming 1 to January 2023	DEE, NAU, Navasari	01
	Out Scaling of Natural farming through KVKs” અંતર્ગત નિદેશન આપવા બાબત...	DEE, NAU, Navasari	01
Administrative building photographs of	ATARI Pune	01	

KVK, Waghai, Dangs		
Agri Extension Projection for \$ 5 Trillion Economy	ATARI Pune, DEE, NAU, Navasari	01
आकाशवाणी दमण से प्रसारित किसानवाणी कार्यक्रम के लिए रेडिओ वार्तालाप के रिकार्डिंग हेतु	DEE, NAU, Navasari	01
Natural farming 16 to 31 January 2023	DEE, NAU, Navasari	01
Information of Natural Farming (NF) Demonstration plot at KVK	DEE, NAU, Navasari	01
Activities carried out under the project “Out scaling of natural farming through KVKs”	ATARI, Pune	01
Activities carried out under the project “Out scaling of natural farming through KVKs”	ATARI, Pune	01
Information of Natural Farming (NF) Demonstration plot at KVK	DEE, NAU, Navasari	01
Short Video film of 1-2 Minutes of KVK, Dangs	ATARI Pune	01
Natural farming folder Photographs of KVK, Waghai	ATARI Pune	01
Monthly Progress Report of January 2023	DEE, NAU, Navsari	01
Report of 19th AGRESCO-SS..reg...	DEE, NAU, Navasari,DAN,	01
Regarding Literature, Publications, Videos related to Outscaling of Natural Farming	ATARI Pune	01
Details of Government vehicles-Reg	ATARI Pune	01
SAC Photographs Regd	DEE, NAU, Navsari	01
Natural farming 1 to 15 February 2023	DEE, NAU, Navsari	01
IFMS ORDER, KVK WAGHAI	DEE, NAU, Navsari	01
Good Quality jpg Photos of FLD and CFLD Oilseeds and Pulses of 2021-22 of KVK, Dangs	ATARI Pune	01
submission of progress report of regular Demonstration plots-regarding	RFSGujarat, NAU, Navsari	01
Proposal for repair and renovation work	ATARI Pune	01
Jilla baharna prarana aayojan babat	DEE, NAU, Navsari	01
Natural farming 16 to 28 February 2023	DEE, NAU, Navsari	01
Report of international conference at delhi	ATARI Pune	01
Information regarding natural farming	ATARI,Pune	01
Information regarding natural farming	ATARI,Pune	01
Information regarding sonpari orchard	DR,NAU,Waghai	01
Celebration of International women day	ATARI,Pune	01
ATMA DIST. TAPI TRAINING REQUEST LETTER	DEE, NAU, Navasari	01
Progress report of plan scheme	DEE, NAU, Navasari	01
Monthly Progress Report of February 2023	DEE, NAU, Navasari	01
Celebration of International Women's Day at KVK, Dang	ATARI Pune	01
List of farm implements & equipment to be purchased under “TSP farmers implements & equipment utility centre” of KVK, Dangs	ATARI Pune	01
Innovative activities Done by KVK, NAU, Waghai, Dangs during the year of 2022-23	DEE, NAU, Navasari,DAN,	01
Natural farming 1 to 15 March 2023	DEE, NAU, Navasari,DAN,	01
International Millets Conference on 18th March 2023 photographs of KVK, Dangs	ATARI Pune	01
Videos of 2-3 Minutes depicting KVK achievements for G-20 Meeting	ATARI Pune	01

Details of Major Activities/ Special Events conducted by KVKs under the Project " Out-scaling of Natural Farming	ATARI Pune	01
Report of IARI NEP Demonstrations Kharif 2022	DEE, NAU, Navsari	01
Swachhta Action Plan (SAP) Jan-March, 2023 Activity wise progress report	ATARI, Pune	01
expenditure regarding natural farming	ATARI, Pune	01
Activites of SAP during 2018-2023	ATARI, Pune	01
Achievements of KVKs during January to June 2023 for International year of Millets	ATARI, Pune	01
Information required regarding IARI-NEP demonstrations conducted on Paddy variety Pusa 1850	DEE, navsari	01
Out-scaling of Natural farming AUC for the year 2022-23- Reg.	ATARI Pune	01
Natural farming 16 to 31 May 2023	DEE, NAU, Navasari	01
Details of Successful enterprises/ investors in Agriculture of KVK, Dangs	ATARI Pune	01
DConducting Awareness Programme/ Workshop/ Campaigns in Agriculture under Mission Life Style for Environment (LiFE) from 20th May to 5th June	ATARI Pune, EE, NAU, Navasari	01
Monthly Progress Report of May 2023	DEE, NAU, Navasari	01
Information regarding Natural Farming	DEE, NAU, Navasari	01
Photographs of Annual Report 2022	ATARI Pune	01
Natural farming 1 to 15 june 2023	DEE, NAU, Navasari	01
Photographs of DAMU project 2022 activities K.V.K. Dang	ATARI Pune	01
Information regarding IARI-NEP demonstrations conducted on Paddy variety Pusa 1850	DEE, NAU, Navasari	01
Nomination of Mushroom cultivation training	DEE, NAU, Navsari	01
DFI Chapter of KVK, NAU, Dangs, Gujarat	ATARI, Pune	01
Details regarding participation during the year 2022-23	DEE, NAU, Navsari	01
Impactful/ Innovative activities done by KVK, Dangs for Annual Zonal workshop 2022	DEE, NAU, Navsari	01
Opening of New Interest bearing saving account For the Project "Out scaling of Natural Framing through KVK's	DEE, NAU, Navsari	01
Quarterly report (01-04-2023 to 30-06-2023) of plan scheme Adaptive Trial	DEE, NAU, Navasari	01
Monthly Progress Report of May 2023	DEE, NAU, Navasari	01
Publication of the quarterly NAU spectrum news bulletin for the period of April 2023 to June 2023 of KVK, Waghai	DEE, NAU, Navasari	01
Progress of TSP for Quarter-1 (April-June 2023)	ATARI Pune	01
Nominations of faculties/ Scientists for training on Mushroom Cultivation to be held at college of Agriculture, NAU, Waghai from July 20-22, 2023	DEE, NAU, Navasari, Anjali Gamit	01
Admissible Pay and Allowance of the staff under KVK scheme-Regd.	DEE, NAU, Navasari	01
Natural farming 1 to 15 July 2023	DEE, NAU, Navasari	01
Slides for Presentation at AZW	DEE, NAU, Navasari	01

Celebration of 95th ICAR Foundation Day and Technology Day at KVKs from 16-18 July, 2023 OF KVK, Dangs Photographs	ATARI Pune	01
Photos of dignity visit at KVK and date of Mushroom training for spractram	Spectrum, NAU, Navasari	01
Millet recipe regarding	ATARI Pune	01
Information regarding AZW presentation	DEE, NAU, Navasari	01
<i>Azadi ka Amrut Mahotsv (AKAM) antargat yojavama aavel karyakram angeni mahiti</i>	DEE, NAU, Navasari	01
Inauguration ceremony of value added product of dang district and farmers useful latest technology demonstration units	DEE, NAU, Navasari	01
PM-KISAN SAMMAN program 27-07-2023 Photographs of KVK, Dangs	ATARI Pune	01
Natural farmin	DEE, NAU, Navasari	01
SEEG farmer award	DEE, NAU, Navsari	01
Monthly Progress Report of July 2023	DEE, NAU, Navasari	01
Information regarding Natural Farming	DEE, NAU, Navasari	01
Cluster Frontline Demonstrations on Pulses New saving Account Opening regading	DEE, NAU, Navasari	01
MKVK training under RAWE Programme	DEAN, NAU, Navasari	01
Natural farming 01 to 14 August 2023	DEE, NAU, Navasari	01
Estimated Expenditure for organising three day Workshop on Agriculture marketing and future of millets at International level	DEE, NAU, Navasari	01
Best Farmers Award Forms	DEE, NAU, Navasari	01
Natural farming 16 to 31 August 2023	ATARI Pune	01
TV Radio talk list	DEE, NAU, Navsari	01
AUC/UC of Capacity Building of Farmers through Training Programmes on Profitable Dairying Farming and Livestock Management (2022-23)	ATARI Pune	01
Monthly Progress Report of July 2023	DEE, NAU, Navasari	01
Press note	Dept. Of Information, Ahwa, Dangs	01
ઓક્ટોબર ૨૦૨૩ થી માર્ચ ૨૦૨૪ દરમ્યાન પ્રસારીત થનાર કૃષિ વિષયક કાર્યક્રમ માટે વિષયવ્યાખ્યાનોની માહિતી/	DEE, NAU, Navasari	01
Natural farming 16 to 31 september 2023	DEE, NAU, Navasari	01
Regarding MoU of KVK-Waghai (Dangs)	DEE, DR, Registater, NAU, Navsari	01
Reporte of CFLD Pulse <i>kharif</i> 2023-24	ATARI, Pune	01
2nd quarterly report of TSP megaseed	ATARI, Pune	01
Quarterly report of SAP on vermicomposting	ATARI, Pune	01
Technological backstopping to FPOs by KVKs	ATARI, Pune	01
Details of Books published year 2022-23	ATARI Pune	01
Three monthly progress report of Adaptive trail - 2nd quarter	DEE, NAU, Navasari	01
PFarmers representative for ZREAC	DEE, NAU, Navasari	01

	Monthly Progress Report of Sepmtember 2023	DEE, NAU, Navasari,DAN,	01
	Publication of the quarterly NAU spectrum news bulletin for the period of July 2023 to September 2023 of KVK, Waghai	DEE, NAU, Navasari	01
	regarding organizing inter-district training program	ATARI Pune	01
	Natural farming 1 to 15 October 2023	DEE, NAU, Navasari,DAN,	01
	Photographs of News coverage of KVKs during last six months	ATARI Pune	01
	Present report of Dr. J.B. Dobariya, I/c. Senior Scientist and Head	DEE, NAU, Navasari	01
	Natural farming 2022-23	DEE, NAU, Navasari	01
	Short-term Skill Development Courses	DEE, NAU, Navasari	01
	<i>Ravi krushi mahotsav - 2023 mate chardni mahiti</i>	DEE, NAU, Navasari	01
	<i>Tran Divasiy workshop</i>	DEE, NAU, Navasari	01
	Monthly Progress Report of October 2023	DEE, NAU, Navasari,DAN,	01
	<i>Good governans pahel ange adhyantan vigato (October-2023 antit)</i>	DEE, NAU, Navasari,DAN,	01
	Information of Special Campaign 3.0 driven by the Government of India during October 02-31, 2023.	ATARI Pune	01
	Book chapter for a book published by ICAR Mahatma Gandhi's Vision of Agriculture Achievements of ICAR	ATARI Pune	01
	Natural farming 1 to 15 November - 2023	DEE, NAU, Navasari,DAN,	01
	Regarding Capital requirements of KVK's under ATARI Pune	ATARI Pune	01
	Budget Proposal of Energy Conservation Awareness Workshop	DEE, NAU, Navasari,DAN,	01
	Reporte of achivement and expenditure of CFLD pulse 2023-24	ATARI, Pune	01
	Reporte of celebretion of World Soil Day	DR, NAU, Navsari	01
	Reporte of yield gap of CFLD pulse 2023-24	ATARI, Pune	01
	<i>TASP હેઠળ ચાલતા વિવિધ કાર્યક્રમો યોજનાઓ અંગે</i>	DEE, NAU, Navasari	01
	<i>Natural farming activities report November - 2023</i>	DEE, NAU, Navasari	01
	Celebration of World Soli day and Report	ATARI Pune	01
	Invitation for Technology week 2023	DEE, NAU, Navasari,DAN,	01
	કૃષિ યુનિવર્સિટીઓના કેમ્પસ ખાતે અને પેટા કેન્દ્રો ખાતે યોજાયેલ Millet અંગેના કાર્યક્રમોના વિડીયો બાબત..	DEE, NAU, Navasari,DAN,	01
	Energy conservation workshop at KVK, Waghai (Dangs)	GEDA	01
	Natural Farming Report 1 to 15 December - 2023	ATARI Pune	01
	Natural Farming Report 16 to 31 December - 2023	DEE, NAU, Navasari, DAN	01
News letters	<i>Wghai: krushini aavak bamani karava khetima kharch ghatadavo padase: navasari krushi univarsityna kul pati dr.Z.P.Patel</i>	Vatsalya samachar	01

<i>K.V.K, vaghai dvara 22mi salahkar samitini miting gothavai</i>	Gujarat Raksha	01
<i>K.V.K, vaghai dvara 22mi salahkar samitini miting gothavai</i>	Public App	01
<i>Waghaina krushivigyan kendra, N.A.U., waghai dvra 22mi viganik salakar samitini miting</i>	Public App	01
<i>Dang Jillana subir talukana sajupada game krushi vigan kendra, waghai dvara prakrutik kheti angeni talim yojai</i>	Vatsalya samachar	01
<i>Sajupada gam khate krushi vigan kendra, waghai dvara prakruti kheti ange talim</i>	Public App	01
<i>Adhunik tantrikata apanvani khetima aatmaribhay banavani khedutone hankal</i>	Nyaydarshan	01
<i>Sajupada gam khate krushi vigan kendra, waghai dvara prakruti kheti ange talim</i>	Zatpat News	01
<i>Prakrutik kheti ange krushi vigan kendra waghai dvara yojai talim</i>	Gujarat Raksha	01
<i>Triji kakshano bhugrbh panine lagata prashno ane sahbhagi pani vyavysthapan vishayk shibir</i>	Nyaydarshan	01
<i>Waghai kruhi vigan kendra khate bhugrbh jalani sarkshan shibirno 140 khedutoe labh lidho</i>	Vatsalya samachar	01
<i>Waghai kruhi vigan kendra na hole khate bhugrbh jala bord pashchim m.kshtra Ahamdavadna sayukt upkrame kraykram yojayo</i>	Public App	01
<i>K.V.K., Triji kakshano bhugrbh panine lagata prashno ane sahbhagi pani vyavysthapan vishayk shibir</i>	Gujarat Raksha	01
<i>Dangama ji.ma krushi vigan kenra waghai dvara krushi vikash yojna mate tent falavaya vechan mate upyogi</i>	Public App	01
<i>Halka dhany ne pradhany aapvani aajani jaruriyat:Z.P.Patel</i>	Nyaydarshan	01
<i>Halka dhany ne pradhany aapva NAU na kulpati Z.P.Patel na adhyaksh sthane krushi univarsity waghai khate bethak yojai</i>	Gujarat Raksha	01
<i>Dnag Jillana lokonu nagali(Ragi) sahte jivan jodayelu chhe. Vijaybhai Patel</i>	Dhabalar	01
<i>Krushi vigan kenra waghai khate milet year ange mahiti aapavata Dr. Pratik Javiya</i>	Puplica App	01
<i>Lhan Dabas gamama khedute stroberyini kheti ma aachchhadan no upayog kari prakrutik khetino navatar prayog hath dharyo.</i>	Puplica App	01
<i>KVK & Halka dhany sanshodhan kenrana sayukt upkrame Community holma aantarastryi mitel year nimite khedutone talim apai</i>	Puplica App	01
<i>Prakrutik kheti ange khedutne aapati talim vishe waghai kvk kahethi vaigyani ane vada shri Dr. J. B. Dobariyae aapi mahiti</i>	Puplica App	01
<i>Darbar hol khate prakrutik khetdut sibir youai</i>	Puplica App	01
<i>Waghai kurhsi Univarshity ma milet varshani ujanai:Dnag Jillana lokonu</i>	Divyabhaskr	01

<i>nagali(Ragi) sahte jivan jodayelu chhe. Vijaybhai Patel</i>		
<i>Aantrarashtriy poshak anaj varsh 2023 antargat krushi vigyan kendrathi taluka sevasadan sudhi reli yohai</i>	Puplica App	01
<i>Krushi vigyan kenra waghai na vigyanik Mr.Shreyans chaudhri e darbar holthi milet year ange mahiti aapi</i>	Puplica App	01
<i>Milet festival ma upasthit (GOPKA) Niyamak M.K.Kureshi ye mahiti aapi</i>	Puplica App	01
<i>Waghai kurshi vigyan kenra khate mitel varshni ujavani karai</i>	Puplica App	01
<i>Waghai krushi univarsityma miLeT varshni ujavani : Vijay patele kahyu - Dnag Jillana lokonu nagali(Ragi) sahte jivan jodayelu chhe.</i>	Puplica App	01
<i>Waghai krushi univarsityma mitel varshni ujavani : Vijay patele kahyu - Dnag Jillana lokonu nagali(Ragi) sahte jivan jodayelu chhe.</i>	You Tub Chenal	01
<i>Pardina pariya krushi kendra dvara Waghaima kajuni vaigyanik kheti ange talim</i>	Sandesh News	01
<i>Tapaksinchai ane plastik mulching thaki divadiyavan na kheduto dvara tarabuchni kheti</i>	Sabdesh news	01
<i>Tapak sinchai plastic mulchingthi tarabuchni kheti</i>	divya bhaskar	01
<i>TAPAK SINCHAI ANE PLASTIC MULCHING THAKI KHEDUTO TARABUCH NI KHETEE TARAF VALYA</i>	NYAYADARSHAN	01
<i>Vanan divadiyavan na krushkono kayakalp karti rashtriy krushi vikas yojna</i>	Zatpat news	01
<i>divadiyavan na krushkono kayakalp karti rashtriy krushi vikas yojna</i>	Janadesh	01
<i>divadiyavan na krushkono kayakalp karti rashtriy krushi vikas yojna</i>	Kamlam dainik	01
<i>Dang jillama halvathi madhyam varsadni agahi</i>	Sandesh	01
<i>Dangma halvathi madhyam varsadni agahi</i>	Divya bhaskar	01
<i>havaman vibhag dvara halvathi madhyam varsadni agahi</i>	City today	01
<i>Waghai kurhi vigyan kendra dvara pahuoni unalama sarsambhal vishe talim aapavama aaavi</i>	ZatPat News	01
<i>Dang krushi vigyan kendra na havaman shashtry shreyans chaudhari ye havaman ange aapi mahiti</i>	Public App	01
<i>Krushi vigyan kendra ane baroda svarojgar sansthana sayukt upkrame pashuoni sarsabhal ange KVK ma talim yojai</i>	Public App	01
<i>Danga jillana kurhi vigyan kendra dvara pahuoni unalama sarsambhal, Pani ane lilacharanu angeni vishesh talim apai</i>	Public App	01
<i>Waghai kurhi vigyan kendra dvara pahuoni unalama sarsambhal, Pani ane lilacharanu angeni talim ayojai</i>	Vatsalyam Samachar	01
<i>kurhi vigyan kendra dvara pahuoni unalama sarsambhal, Pani ane lilacharanu angeni talim ayojai</i>	Gujarat Raksha	01
<i>Waghai kurhi vigyan kendra dvara</i>	Nyaydarshan	01

<i>pahuoni unalama sarsambhal, Pani ane lilacharanu nu mahtv vishe khedutone talim</i>		
<i>Khetivadi bandh thay evo vyavsay nathi ujjval bhavishy banavi sakay chhe</i>	Sandesh News	01
<i>Krushi Collage khate dharasabhy vijaybhai patelna adhyaksh sthane smart Agricultura workshop yojayo</i>	Public App	01
<i>Harshad prajaapti vaigyanik bagayte tarabuchni kheti ange mahite api</i>	DD girnar	01
<i>Dang jilla sansad Dr. K.C.Patel ajroj Awva khate milet corner ni lidhi mulakat</i>	Public App	01
<i>Krushi vigyan kendra na patanganma sansad K.C.Patel na haste vruksharopn karayu</i>	Public App	01
<i>Krushi vigyan kendra me vishv paryavaran divas manaya gaya</i>	You tub chenel	01
<i>Dang jillana pravesh dvara waghai kvk auditoriam khate vishv paryavaran divasni ujavani sansad na adhyaksh sthane yojai</i>	Public App	01
<i>Waghai kurhi vigyan kendra khate dang jilla kakshano vishv paryavaran dinni ujavani</i>	Nyaydarshan	01
<i>Waghai khate yojayela dang jillana vishva paryavaran divas ujavani karykaramma mahanubhavo chintaniy vaktavya aapyu</i>	Zatpat News	01
<i>Dang jillana mohpada game khate krushi kendra dvara pre-kharf workshop yojayo</i>	Public App	01
<i>Subir talukana antraiyal game pre-kharif workshop ane talim yojai</i>	Gujarat Raksha App	01
<i>Nagali ane varina ghatata jata vistarane vadharavani jarur : Dr. N. M. Chauhan</i>	Nyaydarshan	01
<i>Atma talim bhavan Ahwa khate dharasabhyna vard khate ragi ane tuverna biyaran ni kitnu vitaran karayu</i>	Public App	01
<i>Ahwa khate khedutone 805 ragi ane 262 tuvar kitnu vitaran karavyu</i>	Gujarat Samachar	01
<i>waghai krushikendrama ballagan ane balmajurina parinamo ange yojai janajagrtui shibir</i>	Zatpat news	01
<i>waghai krushikendrama ballagan ane balmajurina parinamo ange yojai janajagrtui shibir</i>	Sandesh news	01
<i>waghai ma ballagn ange janajagrtui sibir</i>	Divya bhaskar	01
<i>waghai krushikendrama ballagan ane balmajurina parinamo ange yojai janajagrtui shibir</i>	Janadesh	01
<i>waghai krushikendrama ballagan ane balmajurina parinamo ange yojai janajagrtui shibir</i>	Vastalya samachar	01
<i>waghai krushikendrama ballagan ane balmajurina parinamo ange yojai janajagrtui shibir</i>	nyayadarshan	01
<i>Krishi vigyan kendra ane vada J.B.Dobariya ye vavani ropani ange mahiti aapi</i>	Public App	01
<i>Dang jilla na khedtut jog krushi vigyan kendra waghaina Dr.Pratik javiya e aapi mahiti</i>	Public App	01
<i>Krishi vigyan kendra NAU, waghai dvara Van mahotvav ni ujavani karavama aavi</i>	Gujarat Raksha App	01
<i>Dang:Krishi vigyan kendra NAU, waghai</i>	Vatshalya Samachar	01

	<i>dvara Van mahotvav ni ujavani karavama aavi</i>		
	<i>Milet varsh jaher karyu chhe tyare Krishi vigyan kendra ane vada J.B.Dobariya ye milet ange mahiti aapi</i>	Public App	01
	<i>Krishi vigyan kendra waghai khate dangani Dangni mulyvardhit khepedasho ane navintm tantrikta nidrashan uinitanu udhatan karayu</i>	You Tub Chenal	01
	<i>Krushi vighyan kendra Waghai khate Dangni mulyvardhit khepedasho ane navintm tantrikta nidrashan uinitanu udhatan karayu</i>	Public App	01
	<i>Krishi vigyan kendra waghai khate dangani Dangni mulyvardhit khepedasho ane navintm tantrikta nidrashan uinitanu udhatan karayu</i>	Gujarat Mitra	01
	<i>Krishi vigyan kendra waghai khate dangani Dangni mulyvardhit khepedasho ane navintm tantrikta nidrashan uinitanu udhatan karayu</i>	Jandadesh	01
	<i>Waghai Dang me muly vardhit our kheti ki navintam prodhyogiki pradarshan ikai ka udghatan</i>	You Tub Chenal	01
	<i>Krishi vigyan kendra waghai khate dangani Dangni mulyvardhit khepedasho ane khetini navintm tantrikta nidrashan uinita nu udhatan karavama aavy</i>	Tahelka News	01
	<i>Waghai khate PM kihan Samelan antargat lavi prasarannu ayojan</i>	Nityadarshan	01
	<i>Waghai khate PM kihan Samelan antargat 120 jetlakhedutoe laiv peasaran nihalyu</i>	Vatshalya Samachar	01
	<i>KVK waghai khate PM sammelan nu live prasaran nu ayojan karyu</i>	Public App	01
	<i>Waghai khate PM kihan Samelan antargat lavi prasarannu ayojan</i>	Zatapat news	01
	<i>Waghai KVK khate PM kihan Samelan antargat lavi prasarannu ayojan</i>	Sandesh news	01
	<i>Reliance faundetion dvara digital farm school antargat mahit melavine dang jilana sanjaybhai ae magfali pakama kheti kharch ghatadine utpadanma vadharo karyo</i>	Tiger E Gujarat	01
	<i>Jillana pravesh Dvara waghai khate 5 mi august 74 mo van mahotsva yojayo</i>	Public App	01
	<i>Jillana pravesh Dvara waghai khate 5 mi august 74 mo van mahotsva yojayo</i>	You Tub Chenal	01
	<i>Waghai kurshi vigyan kedra khate nari vandan utsva karykaram yojayo</i>	Public App	01
	<i>K.V.K. khate yojayel "MALIKI YOJANA" Antargat Rs.48.74 Lakh na labh aapavama aavya</i>	Public App	01
	<i>Jillana pravesh Dvara waghai khate 5 mi august 74 mo van mahotsva yojayo</i>	Public App	01
	<i>krushi vighyan kendra Waghai khate DronTechnology nu demonstration karavama aavyu</i>	Gujarat Raksha	01
	<i>Waghai Khate dron Technology nu demonstration karayu</i>	Nayany Darshan	01
	<i>Waghai Khate dron Technology vishe mahiti aapay</i>	You Tub Chenal	01
	<i>krushi vigyan kendra, NC waghai me dron prodhyogik ka pradarshan</i>	You Tub Chenal	01

<i>Karakirdi margadrshahn sathe waghai khate yojayo aantrastriy yuva divas</i>	Yogana Adhana	01
<i>Danga jillana khedutone naliyerini vaigyanik dhabe kheti karava mate talim aapava aavi</i>	Sandesh News	01
<i>Krushhi vigan kendra waghai khate naliyerini vaigyanik dhabe kheti padhdhti ange talim yojai</i>	Public App	01
<i>Waghai kurhi vigan kendra khate naliyerini vaigyanik kheti kheti padhdhti vishay talim yojai</i>	ZatPat News	01
<i>Dang jillana chhuta-chhavaya vistaroma bhare varasadni aagahi vachhe khedutmitrone salah</i>	Gujarat Raksha App	01
<i>Waghai kurhi vigan kendra na demo unit jova khedutonu aagam</i>	Gujarat Raksha App	01
<i>Waghai kurhi vigan kendra na demo unit jova khedutonu aagam</i>	Nyaydarshan	01
<i>Waghai kurhi vigan kendra na demo unit banaya aakrahanu kedra: Jova aavi rahya chhe anek kheduto</i>	Janadesh News	01
<i>Waghai kurhi vigan kendra na demo unit banaya aakrahanu kedra: Jova aavi rahya chhe anek kheduto</i>	Samana News	01
<i>Waghai kurhi vigan kendra na demo unit banaya aakrahanu kedra: Jova aavi rahya chhe anek kheduto</i>	ZatPat News	01
<i>Danga jillana khedutone naliyerini vaigyanik dhabe kheti karava mate talim aapava aavi</i>	Vatsalayam News	01
<i>Waghai kurhi vigan kendra na demo unit banaya aakrahanu kedra</i>	Divyabhaskar News	01
<i>Milletmathii banati vividh banavato temaj halaka dhanya pakona demo Dang jillana Waghai kurhi vigan kendra na demo unit banaya aakrahanu kedra banaya</i>	Sandesh News	01
<i>Waghai khate kurhi vigan kendra, dvara khetdutone talim aapavama aavi</i>	Youtube Chenal	01
<i>Dang-Waghai kurhi vigan kendra dvara Madhyapadesh na khedutone talim apayi</i>	Sandesh News	01
<i>Kurhi vigan kendra Wahgai, Dang dvara Madhyapadesh na khedutone talim apayi</i>	Satya Day	01
<i>Kedutone bagayati kheti tarf aagal vadhavani hankal karai</i>	Nyaydarshan	01
<i>Dang jillana waghai ma miletts krushi melo-2023 anrgat meletts vanagi spardha yojai</i>	Saputara News	01
<i>Waghai khate pragatishil khedutone award apaya</i>	Youtube Giranar chenal	01
<i>Halka dhany sansodhan kendr waghai khate pragatishil khedutone award apaya</i>	Public App	01
<i>Waghai khate pragatishil khedutone award apaya</i>	Youtube Giranar chenal	01
<i>Aspireshanal block subir khate yojayo "Krushhi Melo"</i>	Yugna Adhan News	01
<i>Waghai khate miletts krushi melo -23 anrgat vanagi sprdha yojai</i>	Gujaratraksha	01
<i>Waghai KVK oditoriyam na patangan khate miletts stall come pradarshan yojayu</i>	Public App	01
<i>Subir khate krushi melo yojayo</i>	Divyabhaskar News	01
<i>Subir na mokhamal game krushi melo yojayo, 230 pasuone sarvar apai</i>	Sandesh News	01

<i>KVK waghai khate ogronic khet pedhasona stallni mulakat darmiyan ek mahilae aapi pratikriya</i>	Public App	01
<i>Navsari krushi univarsity na vistaran shikshan niyamak dangma stroberini kheti karata khedutoni mulakat lidhi</i>	Dhunt News	01
<i>Navsari krushi univarsity na vistaran shikshan niyamak dangma stroberini kheti karata khedutoni mulakate pahochya</i>	Saputara News	01
<i>Navsari krushi univarsity na vistaran shikshan niyamak dangma stroberini kheti karata khedutoni mulakat lidhi</i>	Gujaratraksha	01
<i>Navsari krushi univarsity na vistaran shikshan niyamak dangma stroberini kheti karata khedutoni mulakat lidhi</i>	Gujarat Mitra	01
<i>Navsari krushi univarsity na vistaran shikshan niyamak dangma stroberini kheti karata khedutoni mulakat lidhi</i>	Sandesh News	01
<i>Ahwa na sevadham khate taluka kakshano "krushi melo" yojayo</i>	Public App	01
<i>Waghai krushi vigyan kendra khate milletna marketing vishay upar workshop yojayo</i>	Nayandarshan	01
<i>Krushi vigyan kendra waghai dang kahte millat na marketing vishay upar 3 divasiy workshopnu aayoujan karayu</i>	Gujart Raksha App	01
<i>Jillama Mahilaona sashaktikaran mate waghai kahate masharoom cativation karyasahala yojai</i>	Public App	01
<i>Svaraj Ashram khate yojayela jilla kashana Ravi krushi mahotsavma 30 jetala pradarshan stall raju karaya</i>	Public App	01
<i>Ahwana aangane yohayo jilla kashano "Ravi krushi mahotsav": khedut labharthione karaya laabhvanti</i>	Zatpat New	01
<i>Dangni bhavi pedhine svasth ane tandurast karavani sauni sahiyari javabdaari : Vijaybhai Patel</i>	Samachar News	01
<i>Dang jillana Ravi Krushi Mahotsavma khedutane labhanvit karaya</i>	Gujarat Mitra	01
<i>Waghai: Dnag jillama vishva jamin divasni ujavani karavama aavi</i>	Tahelka News	01
<i>Dnag jillama vishva jamin divasni ujavani karavama aavi</i>	Gujarat Raksha App	01
<i>Dnag jillama vishva jamin divasni ujavani karavama aavi</i>	Public App	01
<i>Dangma sati game khedutone jamin vishayk mahiti apaai</i>	Sandsh News	01
<i>Waghai khate khedutone vijali bachat ane solar urja vishe margdarshan puru padayu</i>	Nayandarshan	01
<i>Krushi vigyan kendra, waghai(dang) ane GEDA, Gandhinagarna sayukt upkdrame urja sanrakshan upar karyashala yojai</i>	Gujarat Raksha App	01
<i>Waghai: Dang jillama waghai khate krushi vigyan kendra, waghai(Dang) ane GEDA, Gandhinagarana sayukt upkrame urja sara</i>	Tahelka News	01
<i>KVK Waghai dvara rambhas jamalapada gam khate Technology saptahna pratham divasni ujavanini sharuaat</i>	Gujarat Raksha App	01
<i>KVK Waghai Technology saptahna bija divase nidarshan padhdhati dvara</i>	Gujarat Raksha App	01

	<i>khedutone kheti na pak aayoujanni pratyaksh nidarashan dvara talim</i>		
	<i>Danga krushi vigyan kandra, KVK Waghai Technology saptahna bija divase nidarshan padhdhati dvara khedutone kheti na pak aayoujanni pratyaksh nidarashan dvara talim</i>	Youtub Chanal	01
	<i>Dang: Daguniya gam khate Technology saptahana bija divasni ujavani</i>	Youtub Chanal	01
Technical bulletins			-
Popular articles	<i>Galgotani Vaigyanik kheti padhdhti, Krushi jivan, February, ,NAU, Waghai(Dangs)</i>	<i>Prajapati H. A.;Dobariya J. B; Ahir Tejas, Ankit Gadhaiya ,</i>	01
	<i>Cholini Viayanik Kheti Paddhati, Vahunia, Krushi jivan, February, KVK ,NAU, Tanachha</i>	<i>Gadhaiya Ankit ; Patel N. B.; Sankhala P. M.; Prajapati H. A.,</i>	01
	Know about the impotence of breeding in cow and buffalo, Krishiprabhat, 28 july 2023	Krishiprabhat, 28 july 2023	01
	Gunvattsabharkrushi inputs niagtyaanaetenafayda, <i>Krushijeevan</i> , Jan 2023	Vahunia, B. M. (2023).	01
	<i>Karela ma rogjeevatniyantran, KrushiPrabhat, Pp-15.</i>	Parmar, K. A.; Patel, U. T.; Parmar, M.; Vahunia, B. M. (2022).	01
	<i>Chananarogo nu jaivikniyantran, KrushiPrabhat, Pp-22</i>	Parmar, K. A.; Vahunia, B. M.;Baria, N. R.;Rathava, A. (2022).	01
	<i>Pashuona agatyana paropjivi jany rogo ane tene atkavava matena pagla. Krishiprabhat: 9/5/2023. P:18.</i>	Solanki, J. B., Patel, S.A., Bhinsara, D.B., Kumar, N. and Patel, D.C. (2023).	01
	<i>Know about the importance of breeding in cow and buffalo. Krishiprabhat: 28/7/2023. P:15.</i>	Solanki, J.B.; Patel S.A., Bhinsara, Patel D.B.; D.C. and Kumar, N. (2023).	01
<i>Karela ma rogjeevatniyantran, KrushiPrabhat, Pp-15.</i>	Parmar, K. A.; Patel, U. T.; Parmar, M.; Vahunia, B. M. (2022).	01	
Extension literature	Prakrutik khetima humash (Jivdravy) nu mahatv ane poshak drvayoni labhyata	(1) Dr. Pratik P. Javia (2) Dr. J. B. Dobriya (3) Shri Harshad A. Prajapati (4) Dr. Sagar A. Patel (5) Shri Bipin M.Vahunia (6) Shri Kashyap A. Patel	01
	Bijamrut ane Jivamrut - Prakrutik khetina agatyana aayam	(1) Shri Harshad A. Prajapati (2) Dr. Pratik P. Javia (3) Dr. Sagar A. Patel (4) Shri Bipin M.Vahunia (5) Shri Rakesh S. Patel	01
	Prakrutik krushima Agniashtra ane bramhashtra no upayog	(1) Shri Bipin M.Vahunia (2) Shri Harshad A. Prajapati (3) Dr. Pratik P. Javia (4) Dr. J. B. Dobriya (5) Dr. Sagar A. Patel	01
	Prakrutik Krushima Dashparniark ane shunthashtra nu mahatv	(1) Shri Bipin M.Vahunia (2) Dr. Sagar A. Patel (3) Shri Rakesh S. Patel (4) Shri Harshad A. Prajapati (5) Dr. J. B. Dobriya	01
	Gujaratni desi gayani oladonu prakrutik khetima mahatv	(1) Dr. Sagar A. Patel (2) Shri Bipin M.Vahunia (3) Dr. J. B. Dobriya (4) Shri Rakesh S. Patel (5) Dr. Pratik P. Javia	01

	mishrapak padhdhntini vividhrito, tena faydao ane tema thayela mahatvana sanshodhano	(1) Dr. J. B. Dobriya (2) Shri Rakesh S. Patel (3) Shri Bipin M.Vahunia (4) Dr. Pratik P. Javia (5) Shri Harshad A. Prajapati	01
	Prakrutik krushini samajan ane sidhdhanto	(1) Rakesh S. Patel (2) Shri Kashyap V. Patel (3) Shri Bipin M.Vahunia (4) Shri Shreyansh N. Chaudhary (5) Dr. J. B. Dobriya (6) Shri Harshad A. Prajapati	01
TOTAL			310

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	2368
2	Facebook page/ Account (no of Post)	01	-	-
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

Line sowing of new variety of finger millet became popular among the farmers of Dang district P. P. Javiya, B. M. Vahunia, S. A. Patel, J. B. Dobariya & H. A. Prajapati

Fingure millet (*Eleusine coracana* L.) is an underexploited minor millet with several edible and industrial uses. It belongs to the family Poaceae and ranks third in importance after sorghum and pearl millets. Its wide adaptability to diverse environments and cultural conditions makes it a potential food crop. Finger millet contains proteins (5-8%), ether (1- 2%), carbohydrates (65-75%), 2.5 to 3.5 per cent minerals and 15 to 20 per cent dietary fibers. Phytochemicals present in finger millet act as antioxidants and helps to maintain physiological balance and protect against oxidative damage. The fat content in finger millet was relatively low and it was a rich source of essential amino acids. On the whole, finger millet is a crop which has the capacity to address the global concerns about rising temperature, poor soils, and reduction in agricultural productivity, food insecurity and malnutrition. Finger millet is high in Ca, Fe and Mg and contains amino acid methionine, which are deficient in polished rice or maize.

India is the largest producer of Ragi in the world and the maximum further production is in the state of Karnataka. The major finger millet growing states are Karnataka, Uttarakhand, Maharashtra, Tamil Nadu, Odisha, Andhra Pradesh and Gujarat with a total area of 2.5 million per hectare and 2.2 million tons of production in India, millet is cultivated in an area of 12.45 million hectares with a yield of 1247kg/hectare and a production of 15.53 million tons for the years.

1. Situation analysis/ Problem:

Finger millet productivity in the dang district is low as a result of farmers' use throwing method for transplanting, improper land management, weed management and usage of indigenous varieties. Finger millet needs line sowing and timely

transplanting of young seedling at recommended spacing. The crop production is ultimately decreased by improper transplanting method with use of indigenous seeds that produce plants with fewer tillering, slower growth and severe weed infestation. The majority of farmers throwing finger millet seedling at the time of transplanting, which required more seedling than recommended, ultimately driving up the price of seed. Because most of the farmers are impoverished and tribal, they lack understanding about proper sowing method, improve finger millet 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 finger millet. A scientist of crop production, who specializes in crop production, decided to intervene on this point and conducted 3 year of on farm Trial of Sowing method in finger millet. The finger millet's 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 Borpada is located 7 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 throwing method for transplanting. Then the Krishi Vigyan Kendra intervened and trained the farmers of these villages about the land selection, new variety seed, line sowing at recommended spacing, seed rate, rouging of infected plant, use of organic fertilizer, harvesting and post-harvest handling of seeds and also provides seed of new variety of finger millet, biofertilizer and novel organic liquid nutrient to farmers.

3. Output:

Economics:

Details of Technology	Year of trial	No. of Farmers /Demos	Area (ha)	Yield (q/ha)		
				T ₁ : (Random throwing)	T ₂ : 30 x 10 cm	T ₃ : 22.5 x 7.5 cm
Line sowing of <i>Kharif</i> Finger millet (GNN 8)	1 st	10	1	10.06	12.18	14.10
	2 nd	10	1	9.45	11.94	13.20
	3 rd	10	1	10.95	13.74	15.30

Details	Year of trial	Economics (Rs./ha)					
		Net Return (Rs.)			CBR		
		T ₁	T ₂	T ₃	T ₁	T ₂	T ₃
Line sowing of <i>Kharif</i> Finger millet (GNN 8)	1 st	18168	24104	29480	2.82	3.41	3.95
	2 nd	16460	21432	24960	2.65	2.79	3.08
	3 rd	20660	26472	30840	3.07	3.21	3.57

The farmers' practices (Random throwing) allowed them to harvest 10.06, 9.45 and 10.95 q/ha of finger millet in 1st, 2nd and 3rd year of trial, respectively. In compared of treatment T₁(Random throwing), treatment T₃ (Sowing at 22.5 x 7.5 cm) was given 14.10, 13.20 and 15.30 q/ha in 1st, 2nd and 3rd year of trial, respectively, which was very higher then treatment T₁. Also found higher net return and BC ratio in treatment T₃ (Sowing at 22.5 x 7.5 cm).



Off campus training



Treatment T₁



Treatment T₂



Treatment T₃

4. Outcome

As a result of on farm trail, Farmers now have more tiller and fingers in the method of sowing at 22.5 x 7.5 cm with new variety of finger millet (GNN 8), as well as less weed 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

Farmers are made aware of the significance, advantages and productivity of recommended sowing method, due to the increased yield of finger millet by the recommended sowing method. In comparison to treatment T₁ (Random throwing), which had a net return of Rs. 29480, 29960 & 30840/ha and a cost-benefit ratio of 3.95, 3.08 & 3.57 in 1st, 2nd and 3rd year of trial, respectively.

Success Story-2

Mango Grafting: An Emerging business for Triable Farmers of the Dang District

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

Name of farmer	Shri. Hasmukhbhai Rangubhai Bagul
	Godadiya,
Village	Ta: Ahwa,
	Dist: Dang
	State: Gujarat
Education qualification	9th pass
Land holding	1.15 ha (Irrigated)



1. Situation Analysis/Problem Statement:

Hasmukhbhai Rangubhai Bagul is a farmer of village: Godadiya, Taluka: Ahwa, District: Dang in the Gujarat. He educated up to 9th standard and having 1.15 ha land. He has eight year experience in farming. Somehow, they were earning their livelihood by practicing rainfed agriculture in their land. He was growing local varieties of paddy, variandragiand hybrid varieties in vegetables during the kharif season and gram in rabi season. Use of the local varieties use of expensive hybrid seedling material of various vegetable crops could not give the satisfactory remuneration to Hasmukhbhai. Under such situation Hasmukhbhai was in search of new farming approach which gives a proper remuneration to his family.

Plan, Implement and Support:

By AGAKHAN NGO, he came to know about KrishiVigyan Kendra. Shri. Hasmukhbhai started to visit the KrishiVigyan Kendra in order to get proper guidance about grafting in mango. Horticulture scientist impressed to see his keen interest in mango grafting. The Scientist of KrishiVigyan Kendra guides him properly and tells him about how to prepare a mango graft with a scientific approach. The scientist of KVK started a series of activities i.e. training, demonstration, scientist visit to farmer's field, field day etc. to deal with the existing problems and observed a positive impact.

2. Output:

At present Hasmukhbhai has adopted proper scientific approach regarding the preparation of mango graft. He has taken proper care about mango graft and first year hasmukhbhai prepared 7000 nos. mango graft and last year he was prepared 10000 nos. grafts. He uses proper scientific approach in graft preparation as per the guidance provide by the scientist of KVK through training, demonstrations and very frequent farm visit.

After getting success, Shri Hasmukhbhai realizes the importance of uses of scientific approach in preparation of mango grafting and he also adopted drip irrigation technology for aftercare of grafts.



Mango graft Preparation



Diagnostic visit



Field visit



Scientist visit to farmers field



Mango graft for selling purpose

3.Outcome:

Due to adoption of scientific practices, his constant effort and hard work and timely support from KVK, other line departments & NGOs he could achieve very impressive growth in preparation of Mango grafts which shown in Table.

Sr. No.	Crop name	Area (ha)	Yield (Nos.)	Cost of cultivation(Rs.)	Gross return (Rs.)	Net return (Rs.)
Year : 2020-21						
1	Mango grafts	0.60	7000	40000.00	140000.00	100000.00
Year : 2021-22						
2	Mango grafts	0.60	12000	264000.00	64000.00	200000.00
Year : 2022-23						
3	Mango grafts	0.80	10000	920000.00	200000.00	720000.00

4.Impact

Before coming in contact with Krishi Vigyan Kendra, Hasmukhbhai used to spend his own money and bring mango grafts from other districts and plant them. The surrounding villages also get the inspiration for the preparation of mango grafts and 5-10 farmers start mango grafting business on small scale. After the kvk intervention , Hamukhbhai's net worth per annum is 6.00 to 7.00 lakh (approx.).

For the success of Mango grafting in the tribal areas of Dang district, he believes that it is due to intensive guidance provided by the Scientist Mr. H.A.Prajapati. This impressive result of crop mango grafting turned Shri. Hasmukhbhai from poor farmer to happy progressive farmer. The success of Mango grafting 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

Title – Popularizing Beauveria bassiana for control of pest in paddy

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

Name – Thakare Somabhai Pandubhai

Village – Lahandabas, Ta. – Ahwa, Dist. - Dang (Gujarat)

Mo. –9428494198



1. Situation Analysis/ Problem Statement:

Profile		
Age	56	Before contact with KVK, Waghai, he was not actively use plant protection measure. Economic condition is not strengthening after lot of work.
Education	3 rd standard	
Land Holding	1 hactare	
Farming Experience	17 year	
Crop grown	Paddy, Bitterguard, Finger millet	
Animal own	00	

Thakare Somabhai Pandubhai is a farmer of village Lahandabas, Taluka- Ahwa, District- Dangs in Gujarat. Somabhai complete his education up to 3rd standard and having 1 Hactare of land. Somehow, he was earning his livelihood by practicing rain fed farming in her land. He was growing local and old varieties of Paddy, nagli during Kharif season and Strawberry in rabi season. Under such situation, he needed some additional or supplementary income to increase income, food & Nutritional security of her family. Therefore, he was in search of some alternate sources of income.

He gets in touch with KVK via a few individuals, who provide training and expertise on paddy farming and integrated pest management. He learned about the scientific farming of paddy and received paddy materials and a folder written in Gujarati by KVK scientist. He used to be a successful paddy farmer, but in the last few years, he has encountered problems with stem borer in her field. As a result of these attacks, he has seen a decrease in both price and paddy production. He was able to raise his income as a result of using Beauveria bassiana technology for stem borer management, hard effort, and prompt assistance from KVK.

Our district has been designated as an organic/natural farming district these days. Therefore, farmers like somabhai come to KVK to learn more and discuss with us how to switch from chemical to organic pesticides.

Plan, implementation and Support

KVK scientific team conducted a survey in the area to determine the adoption gap, the technological requirements of farmers, and their socioeconomic standing. The village's development strategy for several activities has been created. Amidst diverse technological gaps, the KVK Scientists have devised the subsequent activities:

- Training on role of IPM
- Give Extra motivation to use beauveria bassiana
- Providing literature in local language
- Technical Guidance for pest management in paddy
- Given beauveria bassiana in FLD
- Advisory service
- Follow-up visit



2. Output

After training he got beauveribassiana and carried out cultivation on her own and with KVK intervention.



3. Outcome

Somabhai get high production after uses of beauveribassiana and KVK waghai also guide to remove stubbles after harvesting. Also suggest removal of infested plants.

4. Economic Impact

Details of Technology/ year	No. of Farmers /Demos	Area (ha)	Yield (q/ha)				% Increase in yield
			Demo			Check	
			Highest	Lowest	Average		
<i>Beauveribassiana(2021)</i>	01	0.2	30.5	27	28.3	26.10	8.77
<i>Beauveribassiana(2022)</i>	01	0.2	25.1	23	24.27	21.59	12.45
<i>Beauveribassiana(2023)</i>	01	0.2	26	24.5	25.28	21.59	17.14

Details	No. of Farmers /demos	Area (ha)	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
			Gross Cost	Gross Return	Net Return	CBR	Gross Cost	Gross Return	Net Return	CBR
<i>Beauveribassiana(2021)</i>	01	0.2	27476	50940	23464	1.85	26364	46994	20648	1.78
<i>Beauveribassiana(2022)</i>	01	0.2	27476	43689.6	16231	1.59	26346	38872	12526	1.47
<i>Beauveribassiana(2023)</i>	01	0.2	25000	48039	23039	1.92	24500	40943	16443	1.67

Success Story-4

Title: Economic Empowerment through Innovative Dairy Business
S. A. Patel, J. B. Dobariya, H. A. Prajapati, P. P. Javiya & B. M. Vahunia

1. Situation Analysis/Problem Statement

Saritaben Yogeshbhai Ganvit is a woman farmer of Village Gorya, Taluka- Ahwa, District Dangs in Gujarat, educated up to 12th standard and having 6.0 Acre of land. Her husband is also a farmer. They have two children a son and a daughter. Somehow, they were earning their livelihood by practicing rain fed agriculture in their land. She was growing local and old varieties of Paddy, Vari, Ragi and some vegetable during Kharif season. She had two bullocks and one cows of local origin. 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 house hold food and nutritional security of her family. Therefore, she was in search of some alternate sources of income.



Saritaben Yogeshbhai Ganvit

Village:Gorya, Taluka-Ahwa, District Dangs - (Gujarat)

Age: 33 years , Education: 12th Standard , Size of Land holding: 6.0 Acre

2. Plan, Implement and Support

By some sources, she came to know about some welfare schemes for tribal. First of all she visited a co-operative dairy in a nearby village and she also decided to join co-operative dairy in her nearby village. Meanwhile her village, Gorya was care by KVK and ATMA -Dang of the district. A series of animal husbandry activities like meetings, trainings, kisan gosthis, field visits, farm school, and visit to a dairy co-operative has been started by KVK scientists. Saritaben and other interested farmers had purchased HF cross-bred cow.

As cross bred cow was a new enterprise for them, they often faced so many troubles for proper guidance. In the beginning she was not able to maintain the proper health of her animals. she came in contact with Krishi Vigyan Kendra, through ATMA, Dang and was inspired to abandon conventional dairy practices and adopt animal husbandry in a scientific manner as per the guidance of scientists. Animal scientist of KVK was impressed to see her keen interest in dairy farming. It was found that the farmers of this village were rearing the animals with traditional method,

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, demonstration, farmer's scientist interaction etc to deal with the existing problems and observed a positive impact.

3. Output

At present, Saritaben has adopted scientific concepts to rear her animals as per the suggestions given by KVK scientists. She has extended her farm and today she owned 6 milking HF crossbred cows, 2 heifers and 2 calves. She has constructed a pakka house with manger and water tank. She uses proper concentrate feed, green and dry fodder, mineral mixture, timely vaccination, de-worming and diagnosis as per the guidance provide by the scientists of KVK through training, demonstrations and very frequent farm visits. She is a purchase chaff cutter for cutting fodder & regularly use this instrument. As result, a strong competition between various farm women to get more and more milk production developed.

4. Outcome

Due to adoption of improved practice, her constant efforts and hard work and timely support from KVK, ATMA Dang & other line departments and Vasudhara dairy she could achieve very impressive growth in dairy farming as per the table-1.

5. Impact of KVK

Sr. No.	Particulars/ Items	Before KVK intervention	After KVK intervention
1	Animals own	1-Desi cows 2- Desi Bullocks	2020-21 4- HF cows 1-Heifers 1 - Calves 2- Bullocks 2021-22 5- HF cows 1-Heifers 1 - Calves 2- Bullocks 2022-23 6- HF cows 2-Heifers 2 - Calves 2- Bullocks
2	Vaccination & De-worming	Not proper	Regular
3	Milk production (day)	Initial 1.5 lit/day	Average-18 lit/cow/day highest income up to Rs. 23,721/- per month
4	Highest milk production per animal per day	2.0 lit/day	Up to 8 lit/day/animal
5	Anoestrus and repeat breeder problems	Yes	No
6	Inter-calving interval	More than 2 yrs	12-16 months
7	Service period	Average-170 days	90-95 days
8	No. of service per conception rate	7-8	1-2
9	Growth of calves and heifers	Poor	Good
10	Age of first calving	5-6 yrs	30-48 months
11	Economics enhancement Income per month(Net profit)	Not good	Rs.12,000-17,000 per month
	Income through selling of self reared HF animals	Nil	Planned in future
12	Modern assets in the house because of dairy farming	Nil	Freeze – 1 TV - 1 Mobile - 2

			Motorcycle – 1 Tractor -1
13	Bank loan	-----	Paying regularly
14	C.B. Ratio		1: 2.1

Milk production Data

Sr. No.	Year	Annual Milk production	Annual Profit (Rs)
1	2020-21	3972 liter	141653.81
2	2021-22	5935 liter	209193.93
3	2022-23	5083 liter	193877.45

For the success of dairy farming in tribal areas she believes that it is due to intensive guidance provide by the Scientist of KVK and ATMA-Dang. 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.

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

This impressive result of dairy farming turned Saritaben Yogeshbhai Ganvit & her husband from poor farmer to a happy progressive dairy farmer. The success of dairy farming in resource poor areas is a unique example to generate the employment as well as empower the tribal economy in the country.

Success Story-5

Adoption of natural farming system as a sustainable farming practice

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

1. Background/existing problem:

Shri Raut Ishwarbhai Pandubhai's initiative in Mahalapada village of Dang district is truly commendable. His dedication to natural farming despite the challenges of water shortage sets a noble example for sustainable agriculture. By eschewing chemical inputs, he not only preserves the health of the land but also contributes to the well-being of the community and the environment. In regions like Dang district, where water scarcity is a pressing issue, adopting natural farming practices becomes even more critical. Natural farming techniques, such as mulching, intercropping, and water conservation methods like rainwater harvesting and drip irrigation, can help mitigate the impact of water scarcity while maintaining soil fertility and crop productivity. The fact that more than 50 farmers in Mahalapada village have followed Shri Raut Ishwarbhai Pandubhai's lead and embraced natural farming indicates a growing awareness of the importance of sustainable agricultural practices. This shift not only benefits the farmers by reducing input costs and improving the quality of produce but also contributes to the overall resilience of the agricultural ecosystem. Mahalapada village has a significant population engaged in agriculture, the adoption of natural farming on a larger scale could have far-reaching benefits for the entire community. It can lead to increased food security, enhanced biodiversity, and a more resilient agricultural system that is better equipped to withstand challenges such as water scarcity and climate change. Given that Mahalapada village has a significant population engaged in agriculture, the adoption of natural farming on a larger scale could have far-reaching benefits for the entire community. It can lead to increased food security, enhanced biodiversity, and a more resilient agricultural system that is better equipped to withstand challenges such as water scarcity and climate change.

2. Process and methods through which interventions by KVKs was made:

The transition from traditional farming methods to modern natural farming techniques, as exemplified by Shri Raut Ishwarbhai Pandubhai, illustrates the positive impact of adopting innovative approaches in agriculture. By embracing new methods facilitated by organizations like KVK Waghai and leveraging knowledge-sharing platforms such as agricultural festivals and motivational tours, Shri Raut Ishwarbhai Pandubhai has been able to significantly improve his agricultural practices and enhance crop yields.

Key advancements in his approach include:

1. Transition to Modern Techniques: Shri Raut Ishwarbhai Pandubhai shifted from traditional methods of planting and sowing to modern techniques. Instead of manually plowing and sowing crops, he adopted methods like the "Sri Method" of mulching, which helps conserve soil moisture and suppress weed growth.

2. Utilization of Natural Farming Inputs: He incorporated natural farming inputs such as cow urine-dung, jivamrut, and ghanjivamrut, which act as organic fertilizers and enhance soil fertility. This move away from chemical inputs not only improves the quality of the produce but also contributes to environmental sustainability.

3. Diversification and Intercropping: Shri Raut Ishwarbhai Pandubhai diversified his crop selection and implemented intercropping practices. This not only maximizes land use efficiency but also reduces the risk of crop failure and improves overall productivity.

4. Water Management: Recognizing the importance of water availability, he took steps to improve water management on his farm. Constructing a well and implementing water-saving techniques like furrow irrigation contribute to efficient water utilization, particularly crucial in regions facing water scarcity.

5. Market Orientation and Value Addition: Shri Raut Ishwarbhai Pandubhai actively engaged with market opportunities and received guidance from agricultural extension services to improve marketing strategies. This enabled him to effectively sell his produce, thereby increasing his income and ensuring economic sustainability.

By integrating these modern techniques and innovations into his farming practices, Shri Raut Ishwarbhai Pandubhai not only improved his own livelihood but also set an inspiring example for other farmers in his community. His success highlights the potential of combining traditional knowledge with contemporary agricultural advancements to achieve sustainable and resilient farming systems.



3. Types of interventions made by the KVKs to address the problem

a) Cultivating with Traditional Tools:

Cultivating only with the help of bullock/pada in plough, indicating a reliance on traditional methods of cultivation. Farming based on native and old methods, suggesting a lack of modern agricultural techniques. Avoidance of chemical fertilizers, instead relying on organic sources such as solid food burns. Lack of access to modern communication tools like TV and radio, which may hinder access to agricultural information. Marketing of products without proper information or strategy based on natural methods, potentially limiting market opportunities.

b) Modern Agricultural Techniques:

Changes in tillage made to level the land, indicating a shift towards more efficient land preparation methods. Implementation of the "Shri Method" of mulching for paddy planting, a modern technique to conserve soil moisture and suppress weed growth. Application of organic manures such as cow dung and cow urine to the beds, promoting soil health and fertility. Encouragement of earthworm activity through mulching, contributing to soil aeration and nutrient cycling. Utilization of natural pest control methods such as *Nimastra*, *Agniastra*, *Brahmastra*, and *Dashaparniank* for disease control, reducing reliance on synthetic pesticides.

c) Positive Outcomes and Achievements:

Great reduction in production costs and increase in production, indicating improved efficiency and profitability. Elimination of labor-related issues, suggesting improved working conditions and productivity. Improved yields of grains and pulses, indicating enhanced crop performance and food security. Diversification of crops with the planting of fruit trees like mango, lemon, saffron, and cashew, contributing to income diversification and agroforestry practices. These interventions demonstrate a transition from traditional farming practices to modern, sustainable techniques facilitated by the KVKs. The adoption of innovative approaches has led to significant improvements in agricultural productivity, economic viability, and environmental sustainability.

The involvement of various agricultural and governmental bodies, including Krishi Vigyan Kendra (KVK), ATMA staff, and horticulture officers, demonstrates a collaborative effort to support and guide farmers like Shri Raut Ishwarbhai Pandubhai in adopting modern farming practices. Here's how these interventions have been beneficial:

1. **Expert Guidance:** Representatives from KVK, Waghai, ATMA staff, and horticulture officers provide valuable expertise and guidance on improving crop diversity and implementing sustainable farming practices. This guidance helps farmers like Shri Raut Ishwarbhai Pandubhai make informed decisions and adopt innovative techniques.

2. **Inauguration Visit:** The visit of dignitaries such as the Mahasammit Governor of Gujarat, along with other government officials, highlights the recognition and support for initiatives promoting sustainable agriculture. This visit not only acknowledges the efforts of farmers but also encourages others to follow suit.

3. **Local Knowledge Exchange:** Farmers in Mahalpada village and neighboring areas share their local knowledge and experiences with natural farming. This exchange of information fosters community learning and strengthens the adoption of sustainable agricultural practices across the region.

4. **Continuous Support and Guidance:** Ongoing support from KVK, Waghai, ATMA project officers, and horticultural officers ensures that farmers receive continuous guidance on various aspects of agriculture, including mango grafting, drumstick planting, and multiple cropping systems. This support helps farmers diversify their crops and enhance their agricultural productivity sustainably.

Overall, these interventions demonstrate a coordinated effort by various stakeholders to promote sustainable agriculture and support farmers in adopting modern farming practices. By leveraging expertise, local knowledge, and

continuous guidance, farmers like Shri Raut Ishwarbhai Pandubhai can enhance their livelihoods while contributing to environmental sustainability and food security in the region.

4. Inputs and Outputs process

a. Details of last three years in agriculture sector

Detail	2021-22			2022-23			2023-24		
	Kharif	Rabi	Summer	Kharif	Rabi	Summer	Kharif	Rabi	Summer
Crop	Paddy	Bitter gourd	Green gram	Paddy	Bitter gourd	Green gram	Paddy	Bitter gourd	Black gram
Total area (hector)	1.0	0.4	0.5	1.0	0.4	0.5	1.0	0.4	0.5
Total production(K.G)	4700	4900	210	5200	5300	280	6000	5600	300
Total income (Rs.)	60,000	92000	12000	68000	117000	33500	90000	118000	40000
Total cost (Rs.)	16000	18000	2000	18000	21000	3000	20000	18000	4000
Gross net profit	44000	74000	10000	50000	96000	30500	70000	100000	36000
Data per hectare area									
Production (K.g/h.)	4700	12250	420	5200	13250	560	6000	14000	600
Income (Rs. /h.)	60,000	230000	24000	68000	292500	67000	90000	295000	80000
Expenses (Rs./h.)	16000	45000	4000	18000	52500	6000	20000	45000	8000
Profit (R/h.)	44000	185000	20000	50000	240000	61000	70000	250000	72000

B. details of last three years in animal husbandry sector

Sr. No.	Year	No of Animal	Milk production	Income	Cost	Net benefit
1.	2021-22	2 (Dangi Cows)	2500 liter	Rs. 25 per liter (62500)	36500/-	26000/-
2.	2022-23	2 (Dangi Cows)	2700 liter	Rs. 25 per liter (67500)	37000/-	30500/-
3.	2023-24	2(Dangi Cows)	2900 liter	Rs. 25 per liter (72500)	40000/-	32500/-

In the first year of Bitter gourd cultivation 1 acre and yielded 4900 kg, which in the market got Rs.92000 and he gate net income of Rs.74000 after deducting expenses. In the 2nd year 5300 kg produce from 1 acre, which was sold in the market and fetched Rs.1,17000 of which 96000 net income after deducting expenses. In 3rd years Rs. 5600 kg production in 1 acre was obtained, which was sold in the market and fetched Rs.1.18000 in which 1,00,000 net income received after deducting expenses. Also in the summer season, about Rs.76, 500 were received from crops like Green gram/black gram/onion. Mixed crops like brinjal, tomato, green chilies got a saving of 10-12 thousand for the household as well as increased additional sales. Other income was also got from crops like turmeric, mango.



5. Outcomes and Impact of the intervention

Shri Raut Ishwarbhai Pandubhai's commitment to sustainable farming practices is evident in his innovative approaches to seed preservation, soil fertility management, and crop protection. His efforts not only benefit his own farm but also inspire and guide other farmers in the region. Let's break down his methods and their impact:

1. **Seed Bank and Seed Preservation:** Instead of purchasing hybrid paddy seeds, Shri Raut Ishwarbhai Pandubhai creates a seed bank by saving seeds from his own harvest. This practice ensures seed diversity and reduces dependency on external sources.
2. **Soil Fertility Management:** He utilizes natural fertilizers like dhanamrut and jivamrut, made from locally available materials, to enrich the soil and provide essential nutrients to the crops. This approach promotes soil health and enhances crop productivity.
3. **Crop Protection:** Shri Raut Ishwarbhai Pandubhai employs a combination of natural pest control methods such as Nimastra, Brahmastra, Agnistra, Dashparniark, and fungicide applications to protect his crops from pests and diseases. These methods minimize reliance on synthetic pesticides and promote ecological balance.
4. **Promotion of Biodiversity:** By planting flowering plants along the fields, Shri Raut Ishwarbhai Pandubhai attracts bees, which aids in pollination and increases crop production. This practice highlights the importance of biodiversity in agricultural ecosystems.
5. **Community Outreach and Knowledge Sharing:** Shri Raut Ishwarbhai Pandubhai actively shares his knowledge and experiences with fellow farmers in his village and beyond. By guiding others in adopting sustainable farming practices, he contributes to the spread of environmentally friendly agriculture in the region.
6. **Expansion of Sustainable Farming Practices:** His efforts have led to the adoption of sustainable farming practices by other farmers in nearby villages, resulting in a network of farmers practicing natural farming techniques. This expansion demonstrates the scalability and effectiveness of his approach.
7. **Training and Mobile Guidance:**

Shri Raut Ishwarbhai Pandubhai and other farmers receive training and guidance from agricultural extension services, including information delivered via mobile phones. This ensures continuous learning and adaptation to new agricultural methods and technologies.



Overall, Shri Raut Ishwarbhai Pandubhai's holistic approach to farming exemplifies the potential of sustainable agriculture to improve livelihoods, preserve the environment, and foster community resilience in rural areas. His dedication to experimentation, knowledge sharing, and community empowerment sets a powerful example for sustainable agricultural development.

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

S.N.	Particular	Details
1	Name of integration of indigenous technical knowledge (ITK) and traditional Practices (TP)	Imali juice for heat stress
2	Description of ITK/TP	Soak tamarind in water and make a drink with salt and cardamom powder and serve it to relieve heat.
3	Name of farmer/village from where the information collected	Maganbhai Village: Chichond, waghai
4	Method of preparation/use of ITK/TP, if any	Soak tamarind in water and add salt and cardamom powder to make a drink.
5	Dose/rate/amount/time of use of ITK/TP	1 glass
6	Benefits/effect of ITK/TP on yield/production /control of disease-pest/saving of inputs etc.	Relieve from heat stress
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 02

S.N.	Particular	Details
1	Name of integration of indigenous technical knowledge (ITK) and traditional Practices (TP)	Imali pulp for heat stress
2	Description of ITK/TP	Imali pulp is applied on the body to relieve heat and cool the body.
3	Name of farmer/village from where the information collected	Sunil M. Bagul Village: Rajendrapur, waghai
4	Method of preparation/use of ITK/TP, if any	Apply the pulp of ripe tamarind on the body
5	Dose/rate/amount/time of use of ITK/TP	100 gram pulp/per person
6	Benefits/effect of ITK/TP on yield/production /control of disease-pest/saving of inputs etc.	Relieve from heat stress
7	Whether farmers adopting at present? Yes /No If yes, from how many years?	Yes, since last 15 years
8	Any other supportive information	Nil

ITK Technology 03

S.N.	Particular	Details
1	Name of integration of indigenous technical knowledge (ITK) and traditional Practices (TP)	Treatment of Bloat
2	Description of ITK/TP	Bloat is a form of indigestion marked by excessive accumulation of gas in the

		<p>rumen. Bloat can occur when the animal grazes on lush young pasture, particularly if the pasture is wet. Some plants, e.g. clover, lucerne and alfalfa are especially dangerous in causing bloat but any fast growing plants can cause it. Choking due to foreign objects (esophageal obstruction) will also cause bloat by preventing gas release and causing accumulation of gas in the rumen. Sometimes feeding of leftover food such as dry bread can cause bloat. The left flank balloons out. The animal kicks its belly or stands with its back legs wide apart. It has difficulty in breathing. The traditional treatment is affect from this sick condition.</p> <p>ITK- onion- 2 no., garlic- 10 no., Dry chilies-2 no., cumin-10 gram, turmeric- 10 gram, Nagarvel leaf- 10 no., jaggery- 100 gram, black pepper- 10 gram, Ginger-100 gram, salt- as per need.</p>
3	Name of farmer/village from where the information collected	Gulabbhai Rajubhai Vank Village: Dokpatal, waghai
4	Method of preparation/use of ITK/TP, if any	Black pepper and cumins are soak in water for 20-30 minutes, Mix all the ingredients in a mixer and make a paste. Make small ladles of the mixture.
5	Dose/rate/amount/time of use of ITK/TP	Feed ladles with salt 3-4 times a day, Make a fresh mixture daily and feed it for three days
6	Benefits/effect of ITK/TP on yield/production /control of disease-pest/saving of inputs etc.	Relieving gas from stomach
7	Whether farmers adopting at present? Yes /No If yes, from how many years?	Yes, since last 15 years
8	Any other supportive information	Nil

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

A. Practicing Farmers

- Organic farming
- Use of mulching with drip irrigation in mulching
- Organic protection measure

B. Rural Youth

- Farm mechanization
- Use of various Agri apps
- Bee keeping
- Mushroom production

C. In-service personnel

- Use of bank credit in Agriculture
- Organic farming
- Pont for doubling farmer's income

5.2. Indicate the methodology for identifying OFTs/FLDs

For OFT:

- PRA (√)
- Problem identified from Matrix
- Field level observations (√)
- Farmer group discussions
- 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 & Polytechnic 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	-
02	Research projects				
03	Training programmes				
		Prakrutik kheta	03	01	-
		Prakrutik kheta	02	01	-
		Prakrutik kheta	04	01	-
		Prakrutik kheta	02	01	-
		Prakrutik kheta	02	01	-
		Prakrutik kheta	02	01	-
		Prakrutik kheta	02	01	-
		Prakrutik kheta	03	01	-
		Prakrutik kheta	04	01	-
		Prakrutik kheta	04	01	-
		Prakrutik kheta	03	01	-
		Prakrutik kheta	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				
	Agripreneurs 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)	Sevadharm	-	2	-	-
	DAO	State	-	6	Dangs	-
	ADHO	State	-	8	Dangs	-
	ZEDA	State	40000	1	Dangs	-
	VIYAM	Central	160000	1	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	GT 105 variety of pigeon pea is more preferable than others in dangs.
2.		CFMV 2 (Gira) variety of finger millet was found more suitable than local in dangs.
3.	Horticulture	The pulses vegetable seed should be included in the kitchen gardening kit.
4.	Plant Protection	Cue lure trap was found good for control of fruit fly.
5.	Animal Science	Improved birds RIR are more economic than local birds with respect to egg production.
6.		Use of chaff cutter for cutting fodder It resulted into prevents wastage of fodder.
7.	Extension Education	More focus to be given to the FPO
8.		Twin wheel hoe was found more suitable in dang district area.

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

Sr. No.	Discipline	Feed Back
1.	Crop Production	Farmers demanding for local varieties seeds of paddy from university.
2.	Horticulture	Hemlata variety of greater yam is more susceptible to anthracnose compare to local variety.
3.		Farmers required round shape based variety of Greater yam.
4.	Plant Protection	Required effective organic control for brinjal mite.
5.		Farmers required Govt. sector hybrid variety of okra which is suitable for off season.
6.	Animal Science	To develop area specific mineral mixture for dang district.
7.	Extension Education	Need recommendation for management of false smut in paddy in organic/Natural farming in dangs.

8.		Need recommendation of natural farming practices of paddy, finger millets, Green gram, Ground nut, Chickpea, Mango, Okra, and Watermelon etc.
----	--	---

11. Technology Week celebration during 2023: Yes/No, If Yes

Period of observing Technology Week: From to 18-12-2023 to 22-12-2023

Online / Offline: Offline

Total number of farmers visited : 241

Total number of agencies involved : 05

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	02	89	-
Lectures organized	12	241	-
Exhibition	05	241	-
Film show	10	241	-
Fair	01	63	-
Farm Visit	02	102	-
Diagnostic Practical's	04	12	-
Supply of Literature (No.)	07	241	-
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	241	241	-

Detail of Technology Week celebration during 2023: 18-12-2023 to 22-12-2023

Sr. No.	Day/ Date	Thematic area	Topic / Technology covered	No. of participants		
				M	F	T
1	First 18/12/2023 Monday	Training, Demonstration, Film Show, Diagnostic Visit, Literature Distribution, Kishan Goshthi, Lecture	<ul style="list-style-type: none"> ➤ Kitchen garden ➤ Animal Husbandry ➤ Integrated farming system ➤ Employment generation ➤ Different schemes of employments generation ➤ University agriculture technology ➤ Natural farming ➤ Importance of weather forecast in Agriculture sector ➤ Importance of Jivamrut in Natural Farming 	15	25	40

2.	Second 19/12/2023 Tuesday	Training, Demonstration, Film Show, Diagnostic Visit, Literature Distribution, Kishan Goshthi, Lecture, Farm Visits, Natural Farming Demonstration, Exhibitions	<ul style="list-style-type: none"> ➤ Basic Principles of Organic Farming ➤ Pest Control in Organic Agriculture ➤ Significance of International Millet Year 2023 ➤ Natural Farming in Dang ➤ Organic farming ➤ Importance of Beejamrut in Organic Farming ➤ Method of making Brahmastra ➤ Method of making Jivamrut ➤ Climate change and its impact on agricultural sector 	27	22	49
3.	Third 20/12/2023 Wednesday	Farmers trainings, Farm Visits, Natural Farming Demonstration, Museum Visits, Exhibitions	<ul style="list-style-type: none"> ➤ Mushroom cultivation ➤ Millet crop for human health ➤ Importance of Beejamrut in Organic Farming ➤ Natural farming ➤ Preparation of Agniastra ➤ Bee-keeping 	10	29	39
4.	Forth Day 21/12/2023	Training, Film Show, Diagnostic Visit, Literature Distribution, Kishan Goshthi	<ul style="list-style-type: none"> ➤ Understanding of Nimastra and its application in Organic Agriculture ➤ Cultivation of Vegetables in Natural Farming ➤ Contribution of cow urine in pest management ➤ Climate change and its impact on agricultural sector ➤ Natural farming in gram 	34	16	50
5.	Fifth Day 22-12-2023	Training, Demonstration, Film Show, Diagnostic Visit, Literature Distribution, Kishan Goshthi, Farm Visit	<ul style="list-style-type: none"> ➤ Basic Principles in Natural Farming ➤ 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 	33	30	63
Total				119	122	241

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
Gujarat	01	16	01
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	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	Gundiya	
3.			Vari	76	Sati	
4.	Pulses:		Sorghum	17	Sajupada	
5.	Gram, Black gram,		Maize	11	Bardipada	
6.	Tur		Black Gram	16	Dhuldha	
7.	Oilseeds: Groundnut,		Pigeon Pea	22	Zavada	
8.	Niger		Soybean	16	Vankan	
9.	Vegetables: Okra, Brinjal		Ground nut	6	Chichond	
10.	Fruit crops: Mango,		Kharif Total	397	Bhadarpada	
11.	Cashew nut, Custard		Gram	41		
12.	apple		Wheat	11		
13.	Floriculture: Rose		Okra	13		
14.	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

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 2023	00	00	06	5022	NA
Feb 2023	00	00	12	9798	NA
March 2023	00	00	05	3955	NA
April 2023	00	00	03	2349	NA
May 2023	00	00	09	7182	NA
Jun 2023	00	00	12	10632	NA
Jul 2023	07	32755	11	8415	NA
Aug 2023	30	156468	09	6921	NA
Sept 2023	02	1348	11	8305	NA
Oct 2023	00	00	06	12072	NA
Nov.2023	00	00	05	10211	NA
Dec.2023	00	00	12	2118	NA

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weather	Marketing	Aware-ness	Other enterprise	Total
	Text only	83	09	04	03	30	00	129
	Voice only	29	24	09	00	05	00	67
	Voice & Text both	0	0	0	0	0	0	0
	Total Messages	112	33	13	03	35	00	196
	Total farmers Benefitted	305051	130485	35359	7837	42813	00	521545

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	05/06/23	20/09/23	0.5	GR 18	Truthful seed	1200	18000	29520	-
Paddy	08/06/23	05/10/23	0.6	GNR 07	Truthful seed	1530	20000	45750	-
Paddy	12/06/23	25/09/23	0.20	GR 17	Truthful seed	575	6000	17940	-
Paddy	15/06/23	27/09/23	0.20	GNR 09	Truthful seed	435	6000	7020	-
Paddy	15/06/23	20/09/23	0.30	GNR 08	Truthful seed	675	9000	21060	-
Gram	11/11/23	25/02/24	1.2	GJG 06	Certified seed	980	17000	73500	-
Green gram	20/02/23	25/05/23	0.6	GM 6	Foundation seed	645	12000	83850	-
Pigeon pea	03/07/23	02/01/24	0.4	GT 105	Foundation seed	228	5000	25080	-
Mango	-	-	-	Kesar	-	Auction 71,151/-	-	71151	-
				Totapuri	-				
				Desi	-				
Seedlings (Brinjal)	20/04/23	04/05/2023	0.05	-	Seedling	7755 Nos	4500	11632	-
Mango grafting	04/09/23	-	0.05	Sonpari, Kesar	-	4350 Nos	-	263000	-

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 Demonstrations	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)		
-	-	-	-	-	-	-	-	-	-

H. Performance of Nutritional Garden at KVK farm

If Nutritional Garden developed at KVK farm/Village Level? Yes/No =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 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 2023-24 (Rs. in lakh)(Till Dec, 2023)

S. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	1,00,81,880	-	78,69,080
2	Traveling allowances			
3	Contingencies			
<i>A</i>	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	14,63,500	-	12,42,339
<i>B</i>	POL, repair of vehicles, tractor and Equipments			
<i>C</i>	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)			
<i>D</i>	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)			
<i>E</i>	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)			
<i>F</i>	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)			
<i>G</i>	Training of extension functionaries			
<i>H</i>	Maintenance of buildings			
<i>I</i>	Establishment of Soil, Plant & Water Testing Laboratory			
<i>J</i>	Library			
TOTAL (A)		1,15,45,380	-	91,11,419
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		-	-	-
GRAND TOTAL (A+B+C)		1,15,45,380	-	91,11,419

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

Year	Opening balance as on 1 st April	Income during the year	Expenditure during the year	Net balance in hand as on 1 st April of each year
2020-21	71,68,778.00	8,62,872.00	67,72,066.00	72,59,609.00
2021-22	69,82,397.00	2,26,158.00	8,97,689.00	63,10,866.00
2022-23	60,03,961.00	5,33,110.00	13,80,397.00	46,23,564.00
2023-24	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	KVK review meeting	KVK Waghai	Meeting	02-01-2023
All staff	Senior Scientist & Head, Scientist	SAC meeting	KVK Waghai	Meeting	07-01-2023
All staff	Senior Scientist & Head, Scientist	Workshop on Natural Farming	Online	Workshop	19-01-2023
All staff	Senior Scientist & Head, Scientist	KVK Review meeting	KVK, Waghai	Meeting	09-01-2023
Mr. B. M. Vahunia	Scientist	Natural farming	Online (From ATARI pune)	Workshop	19-01-2023
Mr. S. N. Chaudhri	SMS	CSC meeting	Online	Meeting	09-01-2023
Dr. J. B. Dobariya	Senior Scientist & Head	Review meeting in presence of Prabhari Mantri	Collector Office, Ahwa	Meeting	06-01-2023
Dr. J. B. Dobariya	Senior Scientist & Head	Training on " Local Ground Water Related Issues and Participatory Ground Water Managment"	KVK Waghai	Training	24-01-2023
Dr. J. B. Dobariya	Senior Scientist & Head	ATMA governing Board Meeting	DDO Office, Ahwa, Dangs	Meeting	27-01-2023
Dr. J. B. Dobariya	Senior Scientist & Head	Bimonthly Workshop (T&V) on 30TH Jan., 2023 at ATIC, NAU, Navsari	ATIC. NAU, Navsari	Workshop	30-01-2023
Dr. J. B. Dobariya	Senior Scientist & Head	Natural Farming	Collector Office, Ahwa	Meeting	31-01-2023
All staff	Senior Scientist & Head, Scientist	KVK review meeting	KVK Waghai	Meeting	04-02-2023
Dr. P. P. Javiya	Scientist	Natural Resource Management for Sustainable Livelihood Security (Special emphasize to south Gujarat)	NAU, Navsari	Workshop	09-02-2023
Dr. P. P. Javiya	Scientist	Review meeting on groundnut seed availability and area expansion in Gujarat	Online	Meeting	14-02-2023
Mr. H. A. Prajapati	Scientist	Discussion on expenditure under TSP budget	KVK,waghai	Meeting	21-02-2022
Dr. J. B. Dobariya	Senior Scientist & Head	Audit pera meeting	ABM conference hall, NAU, Navsari	Meeting	16-02-2022
All staff	Senior Scientist & Head, Scientist	Millet festival	Coa. Waghai, Dangs	Workshop	25-02-2022

All staff	Senior Scientist & Head, Scientist	KVK review meeting	KVK Waghai	Meeting	02-03-2023
Dr. P. P. Javiya, Mr. B. M. Vahuniya & Dr. J. B. Dobariya	Senior Scientist & Head, Scientist	Training on Natural farming	APMC Surat	Training	10-03-2023
Dr. P. P. Javiya	Scientist	International Conference on Millets	online	Conference	18-03-2023
Dr. P. P. Javiya	Scientist	NRM AGRESCO sub committee meeting	Virtual class room , NMCA, NAU, Navsari	Meeting	20,21-03-23
Mr. H. A. Prajapati	Scientist	Horticulture AGRESCO meeting	ACH, navsari	Meeting	09 & 10-03-2023
Mr. B. M. Vahunia	Scientist	Plant Protection Agresco	Navsari	Meeting	14,15-03-2023
Dr. S. A. Patel	Scientist	Animal science AGRESCO	NAU, NAVSARI	Agresco	28-03-2023
Dr. J. B. Dobariya	Senior Scientist & Head	17th Convocation of NAU, Navsari	NAU, Navsari	Covocation	03-03-2023
Dr. J. B. Dobariya	Senior Scientist & Head	Natural farming review meeting	Collector office, Ahwa, Dangs	Meeting	06-03-2023
All staff	Senior Scientist & Head, Scientist	KVK review meeting	KVK Waghai	Meeting	27-04-2023
All staff	Senior Scientist & Head, Scientist	Technological Backstopping Workshop for Technical staff of KVKs	SSK, NAU, Navasri	Workshop	06-04-2023
Dr. P. P. Javiya	Scientist	Meeting regarding Crop Planning year 2023-24	online	Meeting	20-04-2023
Mr. H. A. Prajapati	Scientist	Samiksha bethak regarding natural farming	Ahwa	Meeting	18/04/2023
Dr. J. B. Dobariya	Senior Scientist & Head	Inogration ceremony of natural farming celing centerr	Rambhas	Khtmahurat	19-04-2023
Dr. P. P. Javiya & Dr. J.B. Dobariya	Senior Scientist & Head, Scientist	Pre Action Plan meeting	KVK, Dediypada	Meeting	10-05-2023
Dr. P. P. Javiya	Scientist	Good Agricultural and Allied Practices for Doubling the farmers income	EEI, Anand	Trining	22 to 27-05-2023
Mr. H. A. Prajapati	Scientist	Pre seasonal workshop	navsari	Workshop	11-05-2023
Mr. H. A. Prajapati	Scientist	Brainstorming workshop	navsari	Workshop	06-05-2023
Mr. H. A. Prajapati	Scientist	prakrutik khrtini kamgirini samiksha babat	Ahwa	Meeting	31-05-2023
Mr. H. A. Prajapati	Scientist	Atma governing board ni meeting babat	Ahwa	Meeting	31-05-2023
Mr. B. M. Vahunia	Scientist	Use of social media skills for Extensionist and Scientist	EEI, Anand	Training	15-20/05/2023
All staff	Senior Scientist & Head, Scientist	KVK Review meeting	KVK Waghai	Meeting	24-05-2023
Dr. J. B. Dobariya	Senior Scientist & Head	NAU 1st Foundation	NAU, Navsari	Celebration of foundation day	01-05-2023

Dr. J. B. Dobariya	Senior Scientist & Head	Meeting with district magistrate collector & district level officers for One District One Product and International millet Year 2023	Collector office, Ahwa, Dangs	Meeting	03-05-2023
Dr. J. B. Dobariya	Senior Scientist & Head	Annual Action plan workshop of KVKs in Gujarat & Goa	Auditorium hall, ICAR-Directorate of medicinal and aromatic plants research and aromatic plants research, Boriavi, Anand-387310	Workshop	15 & 16-05-2023
Dr. P. P. Javiya	Scientist	Climate Change and it's Impact	SKUAST(S), Srinagar, J&K	Conference	09 to 11-06-23
Dr. P. P. Javiya	Scientist	Master Trainers for Safe and Judicious use of Glyphosate by PCOs	Online (NIPHM)	Training	28-06-2023
Mr. H. A. Prajapati	Scientist	virtual meeting on opening of new separate account for the project "Out scaling of natural farming"	online	Meeting	09-06-2023
Mr. H. A. Prajapati	Scientist	Innovation to transfer Agriculture, horticulture and Allied sectors	online	Online conference	21 to 23/06/2023
Dr. J. B. Dobariya	Senior Scientist & Head	Innovation to transform Agriculture, Horticulture and allied sectors (ITAHAS-2023)	Online	Conference	21 to 23-06-2023
Mr. B. M. Vahuniya & Dr. J. B. Dobariya	Senior Scientist & Head, Scientist	KVK Review meeting	KVK, Vyara	Meeting	28-06-2023
Dr. S. A. Patel	Scientist	Innovation to transform agriculture, Horticulture & Allied sector	Online	Conference	21 to 23-06-2023
Dr. J. B. Dobariya	Senior Scientist & Head	Video production and Dissemination skills for Agricultural Extension Functionaries	EEI, AAU, Anand, Gujarat	Workshop	29 May to 03 June 2023
Dr. J. B. Dobariya & Dr. P. P. Javiya	Senior Scientist & Head, Scientist	AGB meeting	ATMA, Ahwa, Dangs	Meeting	17-06-2023
Dr. J. B. Dobariya	Senior Scientist & Head	Evolving Extension Science towards secondary Agriculture for Sustainable Development	University of Agricultural Sciences, Bangalore	Seminar	24 to 24-06-2023
Dr. J. B. Dobariya & Mr. B. M. Vahuniya	Senior Scientist & Head, Scientist	Monthly Review Meeting Of KVKs of NAU	KVK, NAU, Tapi	Meeting	28-06-2023
All staff	Senior Scientist & Head, Scientist	Review meeting	KVK Waghai	Meeting	03-07-2023

Mr. H. A. Prajapati	Scientist	Intellectual Property Rights-G. I. Tag & Patenting	Examination hall, NAU, Navsari	Workshop	19-07-2023
Mr. H. A. Prajapati	Scientist	4 th international conference on "Innovations to transform Agriculture, horticulture & Allied Sectors"	Online	Conference	21 to 23-07-2023
Mr. H. A. Prajapati	Scientist	District Mission Committee	online	Meeting	31-07-2023
Mr. B. M. Vahunia	Scientist	Jal sakti report presentation	Collector office , Ahwa	Meeting	12-07-2023
Mr. B. M. Vahunia	Scientist	Mushroom cultivation	College of agriculture, Waghai	Training	20 to 22-07-2023
Dr. J. B. Dobariya	Senior Scientist & Head	6th Annual zonal workshop of KVKs	KVK, Aurangabad-1, Maharashtra	Workshop	28 to 30 July 2023
Dr. J. B. Dobariya	Senior Scientist & Head	Mushroom cultivation	College of agriculture, NAU, Waghai	Trainig	20 to 22-07-2023
Mr. H. A. Prajapati	Scientist	CWWG meeting	COA, NAU, Waghai	Meeting	16/09/2023
Mr. H. A. Prajapati	Scientist	Varsh 2023-24 ma vividh yojanana amlikaran mate nidarshan ghatakna input nakki karva mate	Collector office, Ahwa	Meeting	16/09/2023
Dr. J. B. Dobariya	Senior Scientist & Head	Farm labour meeting	Rajendrapur farm, Waghai	Meeing	04-09-2023
Dr. J. B. Dobariya	Senior Scientist & Head	Digital scanner operating meeting	Central examination hall, NAU, Navsari	Meeing	21-09-2023
Dr. J. B. Dobariya	Senior Scientist & Head	પ્રાકૃતિક ખેતી સમીક્ષા બેઠક	Collector office, Ahwa, Dangs	Meeing	22-09-2023
Dr. J. B. Dobariya	Senior Scientist & Head	આત્મ નિર્ભય આદિવાસી મહિલા ખેડૂત ઉત્પાદન પ્રોડક્શન કંપની લિમિટેડ ની વાર્ષિક સાધારણ સભા	Community hall, Waghai	Annual general meeting	26-09-2023
Dr. P. P. Javiya	Scientist	Transformation of Agro-technologies for enhancing Production under diverse Agro-Ecosystem	Sandipani school, Saputara	National conference	12 to 14/10/2023
All staff	Senior Scientist & Head, Scientist	KVK review meeting	KVK, Waghai	Meeting	16/10/2023
Dr. P. P. Javiya	Scientist	34th ZREAC	SSK, NAU, Navsari	Meeting	17/10/2023
All staff	Senior Scientist & Head, Scientist	KVK review meeting	KVK, Waghai	Meeting	23/10/2023
Mr. H. A. Prajapati	Scientist	National Conference on Transformation of Agro-technologies for enhancing Production under diverse Agro-Ecosystem	Saputara	National conference	12/10/2023 to 14/10/2023

All staff	Senior Scientist & Head, Scientist	Review meeting	KVK,waghai	Meeting	30/10/2023
All staff	Senior Scientist & Head, Scientist	Millet mela	HMRS,waghai	Seminars	10-02-2023
Mr. B. M. Vahunia	Scientist	International Conference on transformation of agrotechnologies for enhancing production under diverse agro-ecosystem	Saputara	International conference	12 to 14-10-2023
Mr. B. M. Vahunia	Scientist	NIPHM training, special campaign3	Online by ATARI, Pune	Meeting	17-10-2023
Dr. J. B. Dobariya	Senior Scientist & Head	Natural farming seminar	Rajbhavan, Gandhinagar	Seminar	06-10-2023
Dr. J. B. Dobariya	Senior Scientist & Head	34th ZREAC meeting	SSK, NAU, Navsari	Meeting	17-10-2023
Dr. J. B. Dobariya	Senior Scientist & Head	રવિ કૃષિ મહોત્સવ ૨૦૨૩	Collector office, Ahwa, Dangs	Meeting	30-10-2023
Dr. J. B. Dobariya	Senior Scientist & Head	પ્રાકૃતિક ખેતી સમીક્ષા બેઠક	Collector office, Ahwa, Dangs	Meeting	30-10-2023
Dr. P. P. Javiya & Dr. J. B. Dobariya	Senior Scientist & Head, Scientist	PG-RAG NRM group	NAU Capuse, Navsari	Meeting	02-11-2023
Dr. P. P. Javiya, Mr. H. A. Prajapati	Scientist	Prakrutik Krushi Prashikshak talim	Anaval	Training	07 to 08/11/2023
Dr. P. P. Javiya, Mr. H. A. Prajapati, Mr. B. M. Vahunia & Dr. J. B. Dobariya	Senior Scientist & Head, Scientist	Orientation program for Ravi Krushi Mahotsav 2023	NAU Capuse, Navsari	Orientation program	22/11/2023
Mr. H. A. Prajapati	Scientist	Viksit Bharat Sankalp yatra	Koshomda & Kalibel	-	18/11/2013
Mr. H. A. Prajapati	Scientist	Viksit Bharat Sankalp yatra	Sakarpatal & nanapada	-	28/11/2013
Mr. H. A. Prajapati	Scientist	ATMA convergence meeting	ATIC, navsari	Meeting	02-11-2023
Dr. S. A. Patel	Scientist	recent advances in veterinary sciences and animal husbandry	online	21 days winter school	02-11-2023
Dr. J. B. Dobariya	Senior Scientist & Head	Rabi Krishi Mahotsav planning	ATIC, NAU, Navsari	Meeting	04-11-2023
All staff	Senior Scientist & Head, Scientist	KVK, review meeting	KVK, Waghai	Meeting	04-12-2023
Dr. P. P. Javiya	Scientist	Agro-tourism	KVK, Navsari	Training	11 to 13/12/2023
All staff	Senior Scientist & Head, Scientist	KVK REVIEW MEETING	KVK, WAGHAI	Meeting	04-12-2023
All staff	Senior Scientist & Head, Scientist	KVK REVIEW MEETING	KVK, WAGHAI	Meeting	29/12/2023
Mr. B. M. Vahunia	Scientist	Agriculture in future and future in Agriculture	Online	21 days Training	20/11/2023 to 10/12/2023
All staff	Senior Scientist & Head, Scientist	KVK Review meeting	KVK Waghai	Meeting	30-12-2023
Dr. J. B. Dobariya	Senior Scientist & Head	Natural farming meeting in collector officer	Collector office, Ahwa, Dang	Meeting	21-12-2023

Dr. J. B. Dobariya	Senior Scientist & Head	Impact of climate changes on global food, livestock, livelihood and environmental security: Advanced approaches and mitigation strategies	Navsari Agriculture university, Navsari	Meeting	26-12-2023
Dr. J. B. Dobariya	Senior Scientist & Head	Impact of climate changes on global food, livestock, livelihood and environmental security: Advanced approaches and mitigation strategies	Navsari Agriculture university, Navsari	Conference	26-12-2023
Dr. J. B. Dobariya	Senior Scientist & Head	21 day International training on agriculture in future & future in Agriculture	Rajmata Vijayaraje scindia Krishi Vishwavidyalay, Galior in collaboration with JAU, Gujarat, ICRIAT Hyderabad, ICAR ATARI Jabalpur & AGRI MEEt foundation, UP	Training	20 Nov to 10 Dec 2023

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
-	-	-	-

21. Books published 2023-24

Title of the Book	Authors	ISBN No (Optional) / Pages No	Description/review of the book (one paragraph/sentence)
Sajiv Kheti Saral Samaj	Vahunia, B. M.; Javiya P. P.; Dobariya J. B; Patel S. A.; Prajapati H. A.; Patel R. S	978-93- 6128456-4	Sajiv Kheti Saral Samaj, Vahunia, B. M.; Javiya P. P.; Dobariya J. B; Patel S. A.; Prajapati H. A.; Patel R. S.; 31 march 2024, NAU, Navsari Publication NAU/04/07/046/2023, ISBN NO.:978-93-6128456-4

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

1. Award

1. Promotion of natural farming and seed production of cereals Awards



Dr. P. P. Javiya, Scientist at KVK, NAU, Waghai, Dist: Dangs received award in the presence of Honorable vice chancellor Dr. Z. P. Patel on "Promotion of natural farming and seed production of cereals Awards" given/sponsored by Directorate of Extension Education, NAU, Navsari on 15 July 2022.

2. Best extension scientist award



Dr. J. B. Dobariya, Senior scientist & Head at KVK, NAU, Waghai, Dist: Dangs received award on "Best extension scientist award" given/sponsored by 3rd national conference on Natural farming, Organic farming and chemical farming in Indian agriculture-present scenario and way forward on 17 October 2022.

3. Pre-eminent scientist international award 2022



Dr. J. B. Dobariya, Senior scientist & Head at KVK, NAU, Waghai, Dist: Dang received award on “Pre-eminent scientist international award 2022” given/sponsored by Chennai Teacher's council on 21 November 2022.

4. Awards and Recognitions (Institute/College):



Krishi Vigyan Kendra, NAU, Waghai received “International Year of Millet 2023” in the Millet Festival at KVK, Waghai during February 25, 2023. The award was received by Dr. J. B. Dobariya, Senior scientist & head, KVK, NAU, Waghai.

5. Paramount achiever Award



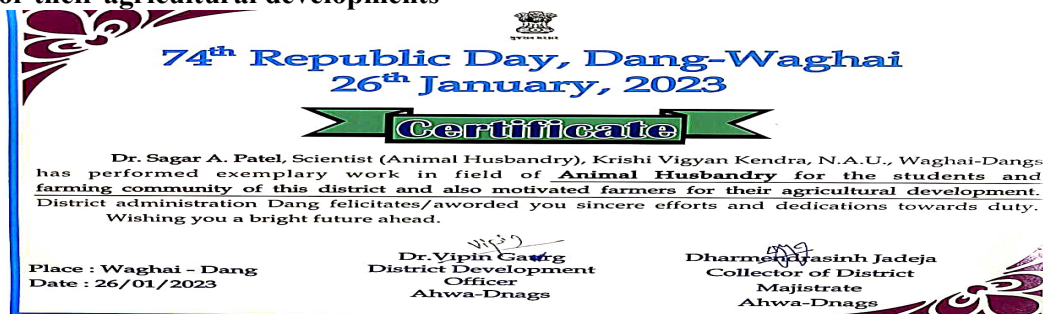
Mr. H. A. Prajapati, Scientist (Horticulture) at KVK, NAU, Waghai, Dist: Dang received award on “Paramount achiever Award ” given/sponsored by International conference on advancement of science and technology for Environments, Society and people (ICASTESP- 2023) on 06-07January 2023.

6. Awarded for performed exemplary work in field of Plant Protection for the students and farming community of this district and also motivated farmers for their agricultural development



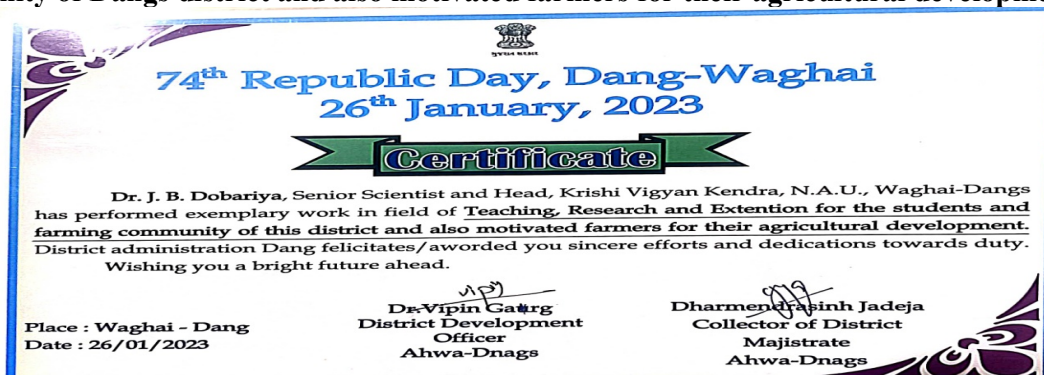
Mr. B. M. Vahuniya, Scientist (Plant protection) at KVK, NAU, Waghai, and Dist: Dangs received award on “Plant Protection for the students and farming community of this district and also motivated farmers for their agricultural development” given/sponsored by District administration Dang on 26 January 2023.

7. Animal Husbandry for the students and farming community of the this district and also motivated farmers for their agricultural developments



Dr. S. A. Patel, Scientist (Animal husbandry) at KVK, NAU, Waghai, Dist: Dangs received award on “Animal Husbandry for the students and farming community of the this district and also motivated farmers for their agricultural developments” given/sponsored by District administration Dang on 26 January 2023.

8. Exemplary work in field of Teaching, Research and Extension for the students and farming community of Dangs district and also motivated farmers for their agricultural development



Dr. J. B. Dobariya, Senior scientist & head, at KVK, NAU, Waghai, Dist: Dangs received award on “Teaching, Research and Extension for the students and farming community of Dangs district and also motivated farmers for their agricultural development” given/sponsored by District administration Dang on 26 January 2023.

9. Exemplary work in Field of Crop Production



Dr. P. P. Javiya, Scientist (Crop production) at KVK, NAU, Waghai, and Dist: Dangs received award on “Exemplary work in Field of Crop Production” given/sponsored by District administration Dang on 25 February 2023.

10. Exemplary work in Field of Horticulture



Mr. H.A. Prajapati, Scientist (Horticulture) at KVK, NAU, Waghai, and Dist: Dangs received award on “Exemplary work in Field of Horticulture” given/sponsored by District administration Dang on 25 February 2023.

11. Excellent work performance for farmers



Dr. J. B. Dobariya, Senior scientist & head, at KVK, NAU, Waghai, and Dist: Dangs received award on “exemplary work in field of Agricultural, Children, rural youth and farmers” given/sponsored by District administration Dang on 25 February 2023.

12. Exemplary work in Field of Agricultural meteorology



Mr. S. N. Choudhry, Agro metrology, at KVK, NAU, Waghai, and Dist: Dang received award on “Exemplary work in Field of Agricultural meteorology” given/sponsored by District administration Dang on 25 February 2023.

13. Best KVK Scientist award



Mr. H.A. Prajapati, Scientist (Horticulture) at KVK, NAU, Waghai, Dist: Dang received award on “Best KVK Scientist award” given/sponsored by SAAST, CSJM university, Kanpur & Agri Meet Foundation on March 2023.

2. Sells of NAU Product by KVK, Waghai (Dang)

Sr. No.	Name of the Product	Quantity	Rate	Price
1.	Green gram (GM-6)	50	120	6000
2.	Citrus plant	98	20	1960
3.	Rhizobium	80	100	8000
4.	Azotobactor	280	100	28000
5.	Novel	2332	175	408100
6.	PSB	530	100	53000
7.	Potas	530	100	53000
8.	Azospirillum	530	100	53000
9.	Vegetable trap	16	85	1360
10.	<i>Syudomonas</i>	20	60	1200
11.	Fruit trap	56	55	3080

12.	Vegetable seed	18	10	180
13.	Fruitfly block	28	35	980
14.	Harde	9	80	720
15.	Vegetable block	46	60	2760
16.	Honey (500ml)	5	180	900
Total Rupees				622240

3 DISTRICT AGROMET UNIT (DAMU) PROJECT (Jan.-Dec., 2023)

Sr. no.	Activity	No. of activity	No. of farmers
1.	Farmer Awareness Programme for Agromet Advisory	21	1229
2.	Dissemination of Agromet Advisory		
	Whatsapp groups:	07	1528
3.	Agromet Advisory Service (Regular basis on every Tuesday & Friday)	104 District level bulletin 312 Block level bulletin (English & Regional Language)	1300
4.	Newspaper coverage	06	-
5.	Special advisory issued during Tauktae, Gulab and Unseasonal rainfall.	-	-

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	114	2093	2385	4478
Rural youths	-	-	-	-
Extension functionaries	02	03	105	108
Sponsored Training	60	1004	1684	2688
Vocational Training	05	53	80	133
Total	121	2149	2570	4719

2. Frontline demonstrations .

Crops/Enterprise	No. of Farmers	Area(ha)	Units/Animals
Oilseeds	-	-	-
Pulses	242	39.4	-
Cereals	155	40	-
Vegetables	290	44.55	-
Other crops	-	-	-
Hybrid crops	-	-	-
Total	687	123.95	
Livestock & Fisheries	176	17	100 Animal
Other enterprises	28	-	28 Unit
Total	204	17	128 Animal/Unit
Grand Total	891	140.95	128 Animal/Unit

3. Technology Assessment & Refinement

Category	No. of Technology Assessed & Refined	No. of Trials	No. of Farmers
Technology Assessed			
Crops	06	48	48
Livestock	01	30	30
Various enterprises	-	-	-
Total	07	78	78
Technology Refined			
Crops	-	-	-
Livestock	-	-	-
Various enterprises	-	-	-
Total	-	-	-
Grand Total	07	78	78

4. Extension Programmes

Category	No. of Programmes	Total Participants
Extension activities	685	91742
Other extension activities	-	-
Total	685	91742

5. Mobile Advisory Services

Name of KVK	Message Type	Type of Messages						Total
		Crop	Livestock	Weather	Marketing	Awareness	Other enterprise	
	Text only	83	09	04	03	30	00	129
	Voice only	29	24	09	00	05	00	67
	Voice & Text both	0	0	0	0	0	0	0
	Total Messages	112	33	13	03	35	00	196
	Total farmers Benefitted	305051	130485	35359	7837	42813	00	521545

6. Seed & Planting Material Production

	Quintal/Number	Value (Rs.)
Seed (q)	62.68	303720
Planting material (No.)	4350	4350
Bio-Products (kg)	-	-
Livestock Production (No.)	-	-
Fishery production (No.)	-	-

7. Soil, water & plant Analysis

Samples	No. of Beneficiaries	Value (Rs.)
Soil	-	-
Water	-	-
Plant	65	-
Total	65	-

8. HRD and Publications

Sr. No.	Category	Number
1	Abstract	06
2	Workshops	12
3	Conferences	06
4	Meetings	53
5	Trainings for KVK officials	12
6	Visits of KVK officials	30
7	Book published	01
8	Training Manual	00
9	Book chapters	04
10	Booklet	00
11	Leaflets/ Folder/ Pamphlet	07
12	Research papers	06
13	Technical Bulletin	137
14	Popular article	09
15	Lead papers	00
16	Seminar papers	00
17	Extension folder	00
18	Proceedings	00
19	Award & recognition	17
20	On-going research projects	00
21	Other	00