ICAR-ATARI, Pune

DETAILS OF ANNUAL PROGRESS REPORT OF KVKs DURING 2024

(January 2024 to December 2024)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address with PIN code	Telephone		E mail	Website address & No. of visitors (hits)
	Office	FAX		
Krishi Vigyan Kendra,Navsari Agricultural University, Ahwa road, Waghai, Ta: Waghai, District: Dangs, Gujarat-394 730	02631-296645	-	kvkwaghai@nau.in	http://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. L. V. Ghetiya	02631-296645	9725006021	kvkwaghai@nau.in

1.4. Date and Year of sanction: ICAR 16 March, 1985

1.5. Staff Position (as on December, 2024)

					If Permanent, Please indicate			If Temporary, pl. indicate the consolidated amount paid (Rs./month)
Sl. No.	**Sanctioned post**	**Name of the incumbent**	**Mobile No.**	**Discipline**	**Current Pay Band**	**Current Grade Pay**	**Date of joining**	
1.	Senior Scientist and Head	Dr. L. V. Ghetiya	9725006021	Plant Protection	144200-218200	-	15-06-2024	-
2.	Scientist	Dr. J. B. Dobariya	9724761097	Extension Agrucultural	57700-182400	-	20.08.2015	-
3.	Scientist	Dr. P. P. Javiya	9925689822	Crop Production	68900-205500	-	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	68900-205500		28-08-2019	-
7.	Scientist	Vacant (Home Science)	-	Home Science	57700-182400	-	-	-
8.	Programme Assistant	Mr. K. V. Patel	9687788642	-	39900-126600	-	24-09-2015	-
9.	Computer Programmer	Vacant	-	-	39900-126600	-	-	-
10.	Farm Manager	Mr. R. S. Patel	9904410078	-	39900-126600	-	08-03-2019	-
11.	Accountant/Superintendent	Mr. D. N. Patel	-	-	35400-112400	-	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		15000-47600	-	01.08.2011	-
16.	Supporting staff 2	Vacant	-	-	15000-47600	-	-	-

1.6. Total land with KVK (in ha):

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

1.7. Infrastructural Development:

A) Buildings

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

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Running	Present status
Motorcycle Hero Honda Splendor	2011	50755	40424 (31-12-2024)	Working
Mahindra Bolero	2019	686240	101819 (31-12-2024)	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 equpment			
Mini tractor VST Shakti 135DI (BHP 13)	17-03-2023	1,95,624/-	Working
Weight scale	23-03-2023	15,000/-	Working
Gravity seed grader	24-03-2023	11,000/-	Working
Jasoda Paddy Thresher	24-03-2023	2,50,000/-	Working

1.8. Details of SAC meeting conducted in the year:

Date	Name and Designation of Participants	Salient Recommendations	Action taken
11-02-2025	Dr. Z. P. Patel, Hon'ble Vice Chancellor, NAU, Navsari Dr. H. R. Sharma, Director of Extension Education, NAU, Navsari Dr. G. D. Vadodariya, I/c. Associate Research Scientist, Hill Millet Research Station, NAU, Waghai, Dangs Dr. A. P. Patel, I/c. Principal, College of Agriculture, NAU, Waghai, Dangs Dr. C. G. Intwala, Professor & Head, Department of Vegetable Science, ACH, NAU, Navsari Mr. Sanjay Bhagariya, Project Director, ATMA, Ahwa, Dangs Mr. Vishal Patange, (Representative of NABARD) Lead District Manager., Dang Mr. B. J. Patel, District Agriculture Officer, Ahwa, Dangs Mr. T. M. Gamit, Deputy Director of Horticulture, Ahwa, Dangs Mr. Rahul Gangrade, (Representative) PI, AKRSPI, Ahwa, Dangs Dr. Divya J. Choudhari, (Representative) District Animal Husbandry Officer, Ahwa, Dangs Mr. Govindbhai Machhi, Progressive Farmer, Uga-Chichpada, Waghai, Dangs Mrs. Nandaben Nileshbhai Patel, Progressive Women Farmer, Sati, Ahwa, Dangs Mr. Kashirambhai G. Birari, Agri Enterpreneur, Jamlapada, Ta.-Waghai, Dangs	**1.** Conduct demonstration and training on plastic mulching in watermelon crop. **2.** Popularization of purna rakshak varieties in okra. **3.** Popularization of GNRB 1 variety in Brinjal. **4.** To make farmers aware about biochar in Dang district **5.** Enhancing seed production of GR 17 & GR 18 variety of paddy at KVK, Waghai Farm. **6.** Making a flex banner listing the Excellent technology developed by Navsari Agricultural University like Bio Pesticide, Novel, Bio	➢ 01 OFT and multiple FLDs conducted in previous years (2017-2018-2019) for dissemination of this technology. ➢ Demonstration was conducted with 20 beneficiaries in previous years. ➢ OFT and training programme was conducted in 2024. ➢ Conducted one Sponsored training programmes with 28 beneficiaries. ➢ The area of GR 17 increase from 0.20 ha to 0.40 ha. GR 18 increase from 0.40 ha to 0.60 ha. ➢ The banner was prepared and it was be paste in the front of KVK and the technology of NAU is displaying in the front of KVK as a permanent structure.

	Mrs. Sushilaben M. Sharma, President of Sakhi Mandal, Waghai, Dang	Fertilizer, Navroji Seed, PHT Product, Bamboo Research Center Product, Fruit Fly Trap *etc* and displaying it on a big board at the gate of Krishi Vigyan Kendra. **7.** To disseminate important topics like conservation of water, soil, environment, Soil health, importance and conservation of soil organic matter and organic carbon among the farming community through agricultural extension activities. **8.** Agro-eco tourism/Agro tourism is an essential subject for the farming community to be covered in on & off campus training to create awareness among the farmers. **9.** Drop the OFT of Varietal assessment of Potato in the dangs district & take a new OFT on Varietal assessment of Brinjal in the Dangs district. **10.** Smt. Baliben Laljibhai Gamit, (Progressive Women Farmer), Bhenskatari, Dist.Waghai, Dang, member was replaced by Shushilaben M. Sharma, Waghai, Dang (President of Sakhi Mandal) as members.	➢ A total 2273 farmers benefited in16 training and 10 lectures delivered. ➢ Training should be conducted with 30 beneficiaries. ➢ OFT were conducted on Brinjal with 6 beneficiaries in 2024. ➢ Suggestion is incorporated
	Mrs. Sunitaben V. Chaudhari, Chair person of Women SHG, Waghai, Dangs		
	Dr. L. V. Ghetiya, Senior Scientist & Head, KVK, NAU, Waghai, Dangs		
	Dr. Mahaveer Choudhari, Principal, Agril. Polytechnic, NAU, Waghai, Dangs		
	Mr. Maganbhai K. Gaykawad, Progressive Farmer, Chichond, Waghai, Dangs		
	Mr. Narendra Revat, Chairman, Ambedkar Sevadham Trust, Ahwa, Dangs		
	Mrs. Sunitaben V. Devkar, (Representative) Mahalkshmi Sakhi Mandal, Waghai, Dangs		
	Dr. Mihir A. Dave, Assistant Director, Gramseva Trust, Kharel		
	Mr. Bendubhai M. Gaikwad, Progressive Farmer, Nadagkhadi, Ta.- Waghai, Dangs		
	Mrs. Bhartiben Chintubhai Patel, Chair person of Women SHG, Waghai, Dangs		
	Mr. Renish Bharuchwala, Project Manager, Reliance Foundation Information Services. Anand-Gujarat		
	Mr. Maheshbhai Aavjubhai Gaykwad, Field Assistant, Yojak, Dodipada, Waghai		
	Mr. Sunulbhai S. Chaudhari, Field Assistant, Yojak, Chinchali, Ahwa		
	Mrs. Ranjitaben N. Patel, Progressive Farmer, Waghai, Dangs		
	Mr. Sanjaybhai J. Choudhari, Progressive Farmer, Waghai, Dangs		
	Mr. Kishorbhai Rahubhai Gavit, Agri. Entrepreneur, Mokhamal, Tal.Subir, Dist.Dang		
	Mr. Shravanbhai Gain, Chairmen, Lotus Fruits and Vegetable Producer Company Private Ltd.		
	Mr. Dinesh Shah, BOT, Gramseva Trust, Kharel		

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 (2024)

S. No	Crop	Area (ha)	Production (MT.)	Productivity (Qt./ha)
1	Paddy	30781	62438	20.30
2	Sorghum	61	61	10.00
3	Maize	512	484	09.50
4	Finger millet	8016	7035	08.80
5	Other *kharif* cereal	1764	1127	06.40
	Total *Kharif* Crop	**41134**	**-**	**-**
6	Pigeon pea	3445	1957	05.70
7	Black Gram	9761	9565	09.80
8	Green Gram	487	309	06.34
9	Gram	14089	14154	10.05
10	Other pulses	1328	959	07.25
	Total Pulses Crop	**29110**	**-**	**-**
11	Groundnut	3889	4461	11.50
12	Soybean	882	981	11.10
	Total oil Crop	**4771**	**-**	**-**
13	Sugarcane	816	52741	64.65
14	Onion	664	15506	23.35
	Total *Rabi* Crop	**1480**	**-**	**-**

Source: District agriculture department.

2.5. Weather data (2024)

Month	Normal RF (mm)	Normal Rainy days (number)	Temperature ^{0}C		Relative Humidity (%)	
			Maximum	Minimum	Maximum	Minimum
January	1.0	0	31.2	14.1	97	45
February	0.0	0	31.7	13.8	89	31
March	0.0	0	36.1	17.9	68	32
April	0.0	0	37.9	21.4	65	24
May	26.0	3	39.3	25.2	75	40
June	115.0	9	35.2	27.3	90	68
July	904.5	22	30.1	26.5	99	95
August	1047.0	24	30.7	26.3	100	96
September	575.0	20	30.8	25.5	100	94
October	187.0	07	34.3	24.0	100	83
November	00.0	00	33.3	16.1	98	64
December	00.0	00	32.0	15.5	100	60
Total	**2855.5**	**85**				

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

Category	Population (No.)	Production (Per unit)	Productivity (Per unit)
Cattle			
Crossbred	15482	-	2000-2200 lit/cow
Indigenous	58900	-	800 lit/cow
Buffalo	22125	-	1200 lit/buffalo
Sheep	-	-	-
Goats	45658	-	300 lit
Pigs	-	-	-
Crossbred	-	-	-
Indigenous	-	-	-
Rabbits	109	-	-
Hens	32350	-	185 egg/year
Desi	166970		58 egg/year
Category		Production (q.)	Productivity (Per Unit)
Fish (Reservoir)	--	--	--
Fish (Farm ponds)	--	--	--

2.7. Details of Operational area / Villages

Name of Taluka	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
Ahwa	Sonuniya Bhurapani Bhapkhal	**Cereals:** Paddy, Finger millet, Little millet **Pulses:** Gram, Black gram, Pigeon pea, Green gram & Sweet pea **Oilseeds:** Groundnut, Niger **Vegetables:** Okra, Bittergourd, Chilli, Brinjal, Watermelon **Fruit Crops:** Mango, Custard apple **Floriculture:** Marigold **Others:** Tuber crops & Sunhemp **Animal Husbandry:** Poultry farming	-Use of traditional varieties - Poor quality of seed -Improper use of fertilizers - Lack of awareness about plant protection measures -Scarcity of fodder - Repeat breeding and Anoestrus - Less interest in dairy business	-Promoting Animal husbandry/ horticultural crops - Use of recommended varieties - Promotion of scientific package of practices - Create awareness about plant protection measures - Scientific feeding management - Artificial Insemination - Awareness about dairy enterprise
Subir	Chikhali Pipalaidevi Chichpada			
Waghai	Baj Barkhandhya Dagadpada Shivarimal			

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
08	08	84	84	16	29	470	993

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	127	2095	5358	284	933	11555	101007

Seed Production (Qtl.)		Planting materials (Nos.)	
5		6	
Target	Achievement	Target	Achievement
97.26	71.94	1000	4290

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

3.1. B. Operational areas details during 2024

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:** Paddy, Finger millet, little millet **Pulses:** Gram, Black gram, Tur **Oilseeds:** Groundnut, Niger **Vegetables:** Okra, Brinjal **Fruit crops:** Mango, Cashew nut, Custard apple **Floriculture:** Rose and Marigold **Others:** Tuber crops **Animal Husbandry:** Poultry farming	-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	135	Sonuniya Bhurapani Bhapkhal Chikhali Pipalaidevi Chichpada Baj Barkhandhya Dagadpada Shivarimal	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.			Finger millet	78		
3.			Vari	69		
4.			Sorghum	15		
5.			Maize	10		
6.			Black Gram	15		
7.			Pigeon Pea	20		
8.			Soybean	15		
9.			Ground nut	5		
10			***Kharif Total***	**362**		
11.			Gram	38		
12.			Wheat	10		
13.			Okra	12		
14.			Brinjal	10		
15.			Mango	20		
16.			Cashew nut	2		
			Rabi-Total	**92**		

* Support with problem-cause and interventions diagram

3.2. Technology Assessment (Kharif 2024, Rabi 2024-25, Summer 2024)

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	1					1
Small Scale income generating enterprises						
TOTAL	2					**2**

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			**48**	**48**	**15.6**

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	Cattle	Effect of Fresh Azolla as a Feed Supplementation on Milk Yield and Fat Percentage in Dairy Cattle	05	05
Processing &Value addition				
Production and management				
Composting fish culture				
Small scale income generating enterprises				
Fish production				
Other				
Total			**35**	**35**

B.3 Technologies assessed under other enterprises

Name of Enterprises	Name of the technology assessed	No. of trials	No. of farmers
Mushroom	Mushroom cultivation	125	125
Apiary	-	-	-
Vermicompost	-	-	-
Tailoring	-	-	-
Nutrition Garden	-	-	-
Nursery Management	-	-	-
Production and Management	-	-	-
Eentrepreneurship development	-	-	-
Engegy consrvation	-	-	-
storage techniques	-	-	-
House hold food security	-	-	-
organic farming	-	-	-
mechanization	-	-	-
Bee keeping	-	-	-
Seed production	-	-	-
post-harvest management	-	-	-
other	-	12	12

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 millet	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 **3rd year :** T_1:8.51 qt T_2:10.48 qt T_3 :12.54 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)	**1st year :** T_1:10.71 qt T_2:12.81 qt	Treatment T_2 GJG 6 was better than T_1 (Local varieties)	Higher 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)	**1st year :** T_1:28.16 qt T_2:31.66 qt T_3 :33.33 qt	Treatment T_3 GNIB 22 was better than T_1 (Local varieties)	Higher yield than local variety	No	NA
Brinjal	Irrigated	Low yield of Brinjal	Varietal assessment of Brinjal in the Dangs district	06	T_1: Farmers practices (Palanpuri) T_2: GNRB 1	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:** T_1:131 qt T_2:143.6 qt T_3 :140.6 qt **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 Bringle & High mortalit	Assessment of pheromone trap for the management of fruit & shoot borer in Brinjal	06	T_1 : Farmers Practices T_2 : Installation of pheromone traps @ 40 traps/ha (AAU,Anand) T_3 : Remove the infected shoot and fruit + Installed pheromone traps @ 12/ha (TNAU,TN)	Yield (q/ha)	**1st year :** T_1 :157.1 qt T_2:173.3 qt T_3:169.5 qt **2nd year:** Result awaited	T_2 treatment is best among T_1 and T_3	Installation of pheromones trap in okra showing good result again Fruit and shoot borer	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	30	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_3best amonga T_1 and T_2	Feeding of Mineral mixture along with deworming resulted in Increse milk production. T_3best amonga T_1 and T_2	No	NA
Dairy Cattle	NA	Low milk production	Effect of Fresh Azolla as a Feed Supplementation on Milk Yield and Fat Percentage in Dairy Cattle	05	T_1 = Farmer's practice – feeding of locally available feeds and fodders T_2 = T_1 + 1.5kg fresh Azolla/day/cattle as nutrient supplement for 90 days	Lit/day	Result awaited	-	-	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 T_2:11.39 qt T_3 : 13.68 qt **3rd year :** T_1:8.51 qt T_2:10.48 qt T_3 : 12.54 qt	qt /ha	**1st year :** T_1:19400 T_2:21460 T_3 : 26248 **2nd year :** T_1:27040 T_2:33560 T_3 :42720 **3rd year :** T_1: T_2: T_3 :	**1st year :** T_1:2.94 T_2:2.79 T_3 : 3.19 **2nd year :** T_1:3.70 T_2:3.80 T_3 : 4.56 **3rd year :** T_1:3.70 T_2:3.80 T_3 : 4.56
T_1: Farmer variety (Local Varieties) T_2: GJG 6	Pulse Research Station, JAU, Junagadh	**1st year :** T_1:10.71 qt T_2:12.81 qt	qt /ha	**1st year :** T_1: T_2:	**1st year :** T_1:2.68 T_2:3.71
T_1: Farmers practices (Katargam) T_2: GNIB 21 (2014) T_3: GNIB 22 (2017)	Navsari Agricultural University, Navsari (2016-17)	**1st year :** T_1:28.16 qt T_2:31.66 qt T_3 : 33.33 qt	qt /ha	**1st year :** T_1: 42500 T_2: 54000 T_3 : 58666	**1st year :** T_1:2.01 T_2:2.31 T_3 :2.42
T_1: Farmers practices (Palanpuri) T_2: GNRB 1	Gujarat Navsari Round Brinjal 1	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:** T_1:131 qt T_2:143.6 qt T_3 : 140.6 qt **3rd year:** Result awaited	qt /ha	**1st year :** T_1 :81.16 qt T_2:99.5 qt T_3: 107.00 qt **2nd year:** T_1: 296100 T_2: 325366 T_3 : 326066 **3rd year:** Result awaited	**1st year :** T_1 :81.16 qt T_2:99.5 qt T_3: 107.00 qt **2nd year:** T_1:3.69 T_2:3.71 T_3 : 3.96 **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	**1st year :** T_1 :157.1 qt T_2:173.3 qt T_3: 169.5 qt	qt /ha	**1st year :** T_1 : 96950 T_2: 111000 T_3: 110550	**1st year :** T_1 :3.17 T_2:3.46 T_3: 3.63
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

Technology Assessed	Source of Technology	Production	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net Return (Profit) in Rs. / unit	B:C Ratio
T_1 = Farmer's practice – feeding of locally available feeds and fodders T_2 = T_1 + 1.5kg fresh Azolla/day/cattle as nutrient supplement for 90 days	Bhutia *et al*. (2020)	Result awaited	lit/day	Result awaited	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:

T_1 : Farmers Practices (Local varieties)

T_2 : GNN 8

T_3 : CFMV 2 (Gira)

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

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

Production system and thematic area: Rainfed & ICM

Performance of the technology with performance indicators:

Sr. No.	Year	No of trial	Area (ha)	Yield(q/ha)		
				Farmers Practices (Local varieties)	GNN 8	CFMV 2 (Gira)
1.	2021-22	10	1	10.50	11.95	13.66
2.	2022-23	10	1	9.26	11.39	13.68
3.	2023-24	10	1	8.51	10.48	12.54

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

Conclusion: On the basis of the study carried out for three years it is summarized that T_3 – recorded the highest yield in comparison to T_1, However yield with T_3 was comparatively higher than T_1. So it is concluded that T_3: {CFMV 2 (Gira)} proved the best variety of Finger millet in tribal area of The Dangs district.

Farmers Feedback

1. Farmers like to adopt new variety of finger millet.
2. This variety gives higher production than other Verities.

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

Constraints identified and feedback for research: Nil

Process of farmer's participation and their reaction:

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

OFT: 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:
T_1: Farmer variety (Local Varieties)
T_2: 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)	GJG 6
1.	2022-23	10	1	Not conducted due to lack of grant.	
2.	2023-24	10	1	10.71	12.81
3.	2024-25	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 Indian bean in the Dangs district

Problem definition: Low yield of Farmers variety (due to lack of knowledge about proper scientific cultivation method and lack of knowledge about new released variety of State Agricultural Universities and Government Institutions.)

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 21 (>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 *etc.*

GNIB 22 (>40.00 Q/ha) performed well under South Gujarat regions. 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: T_1: Farmers practices (Katargam)

T_2: GNIB 21 (2014)

T_3: 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)
1.	2023-24	06	0.3	28.16	31.66	33.33
2.	2024-25	06	0.3	Result awaited		

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 Brinjal in the Dangs district

Problem definition: Low yield of Farmers variety (due to lack of knowledge about proper scientific cultivation method and lack of knowledge about new released variety of State Agricultural Universities and Government Institutions.)

Details of Technologies selected for assessment: In the Dangs district, mostly Desi (Palanpuri) and other hybrid variety of Brinjal 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.

Gujarat Navsari Round Brinjal1 (>380 Q/ha) performed well under South Gujarat regions. GNRB-1 is a high yielding, anthocyanin rich varietywhich is suitable for cultivation in Kharif and Rabi Season.Most importantfeature of proposed variety is, it has lesser incidence oflittle leaf disease, has less number of whitefly and jassid population per leaf compare to standard checks

OFT has been framed for comparing farmer adopted Desi (Palanpuri) variety Gujarat Navsari Round Brinjal 1 variety.

Treatment: T_1: Farmers practices (Palanpuri)
T_2: GNRB 1

Source of Technology: Gujarat Navsari Round Brinjal 1

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 (Palanpuri)	T_2: GNRB 1
1.	2024	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 comaparatively lower yield. Large number of hybrid available in the market but cost of seeds as well as higher incidence of pest affect yield. Assessment of such crop in Dangs district for best performance for growth and yield for avoid these problem OFT is taken.

Treatment: T_1: Farmers practice

T_2: Installation of Pheromone trap

T_3 : Spray Azadirachtin (Neem oil based) 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	131	143.6	140.6
4.	2024	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. Bringal is infected by fruit & shoot borer. Occasional out brack of this disease causing losses to farmer.

Treatment: T_1 : Farmers Practices

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

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

Source of Technology: AAU, Anand & TNAU, TN

Production system and thematic area: Integrated 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	**Not conducted due to lack of grant.**		
3.	2024	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 25carcity during summer season due to particular geographical condition. So, green fodder is not available during summer, hence these animals undergo mineral imbalance & improper feeding. The socio- economic status of frames is not very good so, they could not feed their animals with mineral supplements. Such animals undergo negative energy balance due to malnutrition & high milk yield whatever the green grass these animals are grazing is surrounded by stagnant water & hence become infected by parasites. So, to overcome these problems of parasitic infestation & mineral imbalance we have identified following problems in proposed on farm testing programme.

Treatment: T_1- Farmer's practice – feeding of locally available feeds and fodders

T_2- 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

Source of Technology: NDRI, karnal

Production system and thematic area: Feeding management

Performance of the Technology with performance indicators:

Sr. No.	Year	No of trial	Area (ha)	Yield (lit/day)		
				T_1- Farmer's practice – feeding of locally available feeds and fodders	T_2- T1 + Chelated minerals @ 30 gm/cow/day for 120 days	T_3- T_1 + Chelated minerals @ 30 gm/cow/day for 120 days + Bol. Fenbendazol @ 5-7.5 / kg body weight
1.	2021-22	30	-	3.69	4.53	5.43
2.	2022-23	30	-	**Not conducted due to lack of grant.**		
3.	2023-24	30	-	**Result awaited**		

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

Final recommendation for micro level situation:

OFT: 8

Title: **Effect of Fresh Azolla as a Feed Supplementation on Milk Yield and Fat Percentage in Dairy Cattle**

Background:

India is the largest producer of milk in the world and livestock production is the main component of Indian economy. It plays a major role in providing nutritional and livestock security for millions of rural households in India. Livestock productions suffer acute shortage of feed and fodder and supplementation of readymade commercial feed result in increase in cost of production.

The search for alternative to green fodder led to a wonderful plant Azolla, which holds the promise of providing a sustainable feed for livestock. Azolla is a floating fern and belongs to the family of Azollaceae. The common species of Azolla in India is Azolla pinnata.

Parasitic load and mineral imbalance are known to directly affect the milk production to cattle. The dang district is a hilly area with heavy rainfall. 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. Such animals undergo negative energy balance due to malnutrition & high milk yield. So, to overcome these problems of parasitic infestation & mineral imbalance we have identified following problems in proposed on farm testing.

Treatments :

T_1 = Farmer's practice – feeding of locally available feeds and fodders

$T_2 = T_1$ + 1.5kg fresh Azolla/day/cattle as nutrient supplement for 90 days

Detail of OFT Programme:

- ✓ No. of Villages : 05
- ✓ No. of animals: 05

Parameters to be evaluated/ recorded: The effect of fresh Azolla on milk yield and fat % in adopted village of The Dangs District.

- **Result awaited**

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 2024 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	26	5
2	Finger millet	ICM	CFMV 2 (Gira)		5	25	5
3	Little millet	ICM	GNV 3		3	25	5
4	Paddy	ICM	GR 17		3	25	5
5	Mango	ICM	Kesar		7	30	3
6	Mango	IPM	Fruit fly trap		1	25	5
7	Finger millet	IDM	Pseudomonas		2	25	5
8	Paddy	IPM	Beauveria bassiana		1	25	5

B. Details of FLDs implemented during 2024(Kharif 2024, Rabi 2023-24, summer 2024) (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.	Chickpea	ICM	GJG 3	Rabi 2023-24	5	5	25	0	25	-
Other crops										
2.	Finger millet	ICM	GNN 9 (Gira)	*Kharif* 2024	5	5	25	0	25	-
3.	Little millet	ICM	GNV 4	*Kharif* 2024	5	5	25	0	25	-
4.	Paddy	ICM	GR 18	*Kharif* 2024	5	5	26	0	26	-
Horticultural other crops										
5.	Mango	ICM	Kesar	*Kharif* 2024	5	5	50	0	50	-
6.	Okra	ICM	Novel & Biofurtilizer	Rabi 2024	2.5	2.5	25	0	25	
7.	Indian bean	ICM	GNIB 22	Rabi 2024	0.50	0.50	5	0	5	
Plant Protection										
8.	Bittergourd	IPM	Cue lure trap	*Rabi* 2024	5	5	25	0	25	
9.	Cashewnut	IPM	*Beauveria*	*Rabi* 2024	5	5	25	0	25	
10.	Mango	IPM	Fruit fly trap	*Summer* 2024	5	5	25	0	25	-
11.	Finger millet	IDM	*Pseudomonas*	*Kharif* 2024	5	5	25	0	25	-
12.	Paddy	IPM	Pheromone trap	*Kharif* 2024	5	5	25	0	25	-

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
Livestock										
13.	Sorghum	Fodder management	Sorghum CSV 21 F	Rabi 2024	2	2	20	0	20	-
14.	Sorghum	Fodder management	Sorghum GFS-6	Rabi 2024	13.5	13.5	108	0	108	-
15.	Sorghum	Fodder management	Sorghum CSV-21F	Rabi 2024	3.5	3.5	28	0	28	-
16.	Mineral mixture	Nutrition management	Mineral mixture	Rabi 2024	-	-	50	0	50	
FLD on Other Enterprise										
17.	Plant Protection	Mushroom production	Oyster musroom cultivation	Rabi 2024	60 No. of Unit	60 No. of Unit	60	0	60	-
FLDs under other schemes (Other than KVK-ICAR Budget-TSP, Adaptive trial, (Rabi, Summer-2024)										
Pulse crops										
18.	Pigeonpea (Adaptive trial)	ICM	GT 105	*Kharif* 2024	5	5	25	0	25	-
19.	Pigeonpea (CFLD)	ICM	GT 104	*Kharif* 2024	20	20	50	0	50	-
20.	Black gram (CFLD)	ICM	GU 3	*Kharif* 2024	20	20	50	0	50	
Other crops										
21.	Paddy (Adaptive trial)	ICM	GNR 7	*Kharif* 2024	25	25	50	0	50	-
22.	Paddy (Adaptive trial)	ICM	GNR 9	*Kharif* 2024	12	12	25	0	25	
Horticultural crops										
23.	Brinajal	ICM	GNRB 1	Rabi 2024	0.4	0.4	40	0	40	-
24.	Indian bean	ICM	GNIB 22	*Kharif* 2024	1.4	1.4	14	0	14	-
25.	Green Gram (natural farming)	ICM	GM 6	*Kharif* 2024	1.2	1.2	12	0	12	-
Plant Protection										
26.	Mango	IPM	Fruit fly trap	Summer 2024	30	30	60	0	60	-
Ext. Edu.										
27.	Napier grass	Fodder management	Coimbtour 3	*Rabi* 2024	1.25	1.25	25	0	25	-
28.	Green gram	INM	Vermicompost	*Rabi* 2024	1.50	1.50	20	0	20	-
FLD on Farm Implements and Machinery										
29.	Extension Education	Hand weeder	Kitchen garden, pulses	*Rabi* 2024	50 No. of Unit	50 No. of Unit	50	0	50	-

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	
		(Adaptive trial)								

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											
Chickpea	Rabi 2023-24	Rainfed	Lateritic black Hilly	H	M	H	Gram	04-11-2023	01-03-2024	35.5	02
Other crops											
Finger millet	*Kharif* 2024	Rainfed	Lateritic black Hilly	H	M	H	Gram	01-06-2024	12-10-2024	2683.5	77
Little millet	*Kharif* 2024	Rainfed	Lateritic black Hilly	H	M	H	Paddy	30/05/2024	16-10-2024	2756.5	79
Paddy	*Kharif* 2024	Rainfed	Lateritic black Hilly	H	M	H	Green gram	29/05/2024	22-10-2024	2812	81
Horticultural other crops											
Mango	*Kharif* 2024	Irrigated	Lateritic black Hilly	H	M	H	-	-	-	-	-
Okra	Rabi 2024	Irrigated	Lateritic black Hilly	H	M	H	Paddy	03-11-2023	01-03-2024	35.5	02
Indian bean	Rabi 202-24	Irrigated	Lateritic black Hilly	H	M	H	Gram	04-11-2023	01-03-2024	35.5	02
Plant Protection											
Bittergourd	*Rabi* 2024	Irrigated	Lateritic black Hilly	H	M	H	Paddy	30-11-2023	12-03-2024	1	00
Cashewnut	*Rabi* 2024	Irrigated	Lateritic black Hilly	H	M	H	-	22-12-2023	11-06-2024	27	03
Mango	Summer 2024	Irrigated	Lateritic black Hilly	H	M	H	Mango	20-05-2024	15-07-2024	-	-

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					
Finger millet	*Kharif* 2024	Rain fed	Lateritic black Hilly	H	M	H	Pigeon pea	31-07-2024	17-11-2024	1813.5	51
Paddy	*Kharif* 2024	Rain fed	Lateritic black Hilly	H	M	H	Paddy	02-08-2024	25-11-2024	1802	51
Livestock											
Sorghum	*Kharif* 2024	Irrigated	Lateritic black Hilly	H	M	H	Gram	02-12-2023	03-03-2024	01	00
Sorghum	*Kharif* 2024	Irrigated	Lateritic black Hilly	H	M	H	Paddy	12-12-2023	28-03-2024	01	01
Sorghum	*Kharif* 2024	Irrigated	Lateritic black Hilly	H	M	H	Gram	23-12-2023	22-03-2024	01	01
FLD on Other Enterprise											
Mushroom production	Rabi 2024	Irrigated	Lateritic black Hilly	H	M	H	-	14-02-2023	01-06-2024	1875.5	79
FLDs under other schemes (Other than KVK-ICAR Budget-TSP, Adaptive trial, (Rabi, Summer-2024)											
Pulse crops											
Pigeonpea (Adaptive trial)	*Kharif* 2024	Irrigated	Lateritic black Hilly	H	M	H	Paddy	01-02-2024	05-07-2024	295.0	16
Pigeonpea (CFLD)	*Kharif* 2024	Irrigated	Lateritic black Hilly	H	M	H	Pigeon pea	10-07-2023	01-02-2024	1240.5	59
Black gram (CFLD)	*Kharif* 2024	Irrigated	Lateritic black Hilly	H	M	H	Paddy	24-01-2024	15-05-2024	19	2
Other crops											
Paddy (Adaptive trial)	*Kharif* 2024	Rain fed	Lateritic black Hilly	H	M	H	Gram	06-04-2024	31-10-2024	2854.5	85
Paddy (Adaptive trial)	*Kharif* 2024	Rain fed	Lateritic black Hilly	H	M	H	Gram	06-05-2024	11-10-2024	-	-
Horticultural crops											

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					
Brinajal	*Kharif* 2024	Irrigated	Lateritic black Hilly	H	M	H	Paddy	03-07-2023	22-02-2024	-	-
Indian bean	Rabi 2024	Irrigated	Lateritic black Hilly	H	M	H	Pigeon pea	04-11-2023	01-03-2024	35.5	02
Green Gram (natural farming)	Rabi 2024	Irrigated	Lateritic black Hilly	H	M	H	Gram	03-02-2024	06-07-2024	359.5	17
Plant Protection											
Mango	Rabi 2024	Irrigated	Lateritic black Hilly	H	M	H	Gram	-	-	-	-
Ext. Edu.											
Napier grass	Rabi 2024	Irrigated	Lateritic black Hilly	H	M	H	Pigeon pea	07-02-2024	23-08-2024	1550	51

Technical Feedback on the demonstrated technologies

Sr. No.	Feed Back
1.	GR 18 (Devali kolam) varity of paddy geting more popular in Dang.
2.	GNR 9 Paddy varity geting high price in market.
3.	Use of Novel in okra, improve the production and quality of fruit.
4.	Required good quality & affordable price of pheromone trap from NAU. (Okra, Brinjal, Chikpea crop)
5.	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.
6.	Use of chaff cutter for cutting fodder It resulted into prevents wastage of fodder.
7.	Planting Napier grass in secondary and marginal land protected erosion of soil by heavy rainfall
8.	Vermicompost prevent soil degradation and enhance soil fertility status.

Farmers' reactions on specific technologies

Sr. No.	Feed Back
1.	Paddy variety GR 17 found more number of tillers than other improved and local varieties in Dang.
2.	Indian bean variety GNIB 22 gave more qualified and yield than katargam papadi.
3.	Fruit fly trap in mango & vegetable showing good result.
4.	To develop area specific mineral mixture for dang district.
5.	Feeding chopped Napier alone with dry paddy grass have increased milk production in cattle
6.	Twin wheel hoe reduced the cost incurred for weeding as well enhanced the yield apart from reducing the drudgery of farm women in weeding operation.

Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organized	Date	Number of participants	Remarks
1	Field days	04	26-03-2024, 21/11/2024, 03-12-2024 & 09-12-2024	80	Nil
2	Farmers Training	17	Jan –Dec 2024	444	Nil
3	Media coverage	29	Jan- Dec 2024	-	Nil
4	Training for extension functionaries	-	-	-	-

C. Performance of Frontline demonstrations

Performance of Frontline demonstrations (*Rabi 2023, Kharif*, Summer-2024)

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																		
Chickpea	ICM	New variety	GJG 3	25	5	12.40	10.45	11.61	8.64	34.38	16000	54694	38694	3.42	13800	39560	25760	2.9

* 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* 2024):

Category & Crop	Thematic Area	Name of the technology	Variety/ Input	No. of Farmers	Area (ha)	Yield (q/ha)				% Change in Yield	Economics of demonstration* (Rs./ha)				Economics of check (Rs./ha)			
						Demo			Check		Gross Cost	Gross Return	Net Return	BCR** (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
						H	L	Av.										
Crop Production																		
Finger millet	ICM	New variety	GNN 9 (Gira)	25	5	12.80	10.75	12.04	9.89	21.74	15000	51772	36772	3.45	13000	42527	29527	3.25
Little millet	ICM	New variety	GNV 4	25	5	14.20	11.75	13.18	11.03	19.49	15000	45675	30675	3.05	13000	38605	25605	2.97
Paddy	ICM	New variety	GR 18	26	13	22.40	20.92	21.45	18.94	13.26	20000	38610	18610	1.93	25000	34092	9092	1.36
Horticultural other crops (2024)																		
Mango	ICM	New variety	Kesar	50	5	79% Survival rate												
Okra	ICM	Novel & Biofurtilizer	-	25	2.5	108	90	98.36	96.34	2.09	101560	255900	144340	2.42	108960	240850	131890	2.21
Indian bean	ICM	New variety	GNIB 22	5	0.50	38	32	36	28.00	28.51	40200	82800	42600	2.06	42500	64400	21900	1.51

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.										
Plant Protection (2024)																		
Bittergourd	IPM	Cue lure trap	Local varieties	25	5	92	87	89.76	79.32	13.24	60000	206448	146448	3.44	59500	182436	122936	3.06
Cashewnut	IPM	*Beauveria*	Local varieties	25	5	12.2	11.5	11.78	9.40	25.80	20000	117856	77856	2.94	38500	94040	55540	2.44
Mango	IPM	Fruit fly trap	Local varieties	25	5	62	58	60.44	51.86	16.65	60000	271980	211980	4.53	58000	233370	175370	4.02
Fingermillet	IDM	*Pseudomonas*	Local varieties	25	5	13.5	11	12.26	9.69	26.91	15000	49108	34108	3.27	13000	39737.2	26737.2	3.05
Paddy	IPM	Pheromone trap	Hybrid	25	5	23	21	22.18	18.40	20.58	23000	42157.2	19157.2	1.83	22000	34975.2	12975.2	1.58

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

Note: Production of only healthy fruits (Undamaged fruits) records.

FLD on Livestock (*Rabi,* Summer-2024):

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of Units (Animal/ Poultry/ Birds, etc)	Major parameters lit/cow/day		% change in major parameter	Other parameter		Economics of demonstration* (Rs.)				Economics of check (Rs.)			
					Demo	Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR** (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Dairy cow (KVK regular)																	
1.	Fodder management	Sorghum CSV 21 F	20	2 ha	318 (q/ha)	276 (q/ha)	15.22	-	-	26000	79500	53500	3.05	27000	69000	42000	2.55
Dairy cow (Adaptive trial)																	
1.	Fodder management	Sorghum GFS-6	108	13.5 ha	322 (q/ha)	265 (q/ha)	21.51	-	-	26000	80500	54500	3.09	27000	66250	39250	2.45
2.	Fodder management	Sorghum CSV-21F	28	3.5 ha	310 (q/ha)	257 (q/ha)	20.62	-	-	26000	77500	51500	2.98	27000	64250	37250	2.37
3.	Nutrition management	Mineral mixture	50	50	6.3	5.4	16.67	-	-	2300	5670	3370	2.46	2200	4860	2660	2.06

* 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: (*Rabi*-2024):

Category and Crop	Thematic area	Name of the	No. of	Area (ha)	Yield (Kg/ha)	% change	Economics of demonstration

		technology demonstrated	Farmer				in yield	(Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	BCR (R/C)
Plant Protection	Mushroom production	Oyster musroom cultivation	60	60	10 kg/ 1 kg spawn	-	-	300	1600	1300	5.3

FLD on Farm Implements and Machinery

Name of the implement	Crop	Technology demonstrated	No. of Farmer	Area (ha)	Major parameters	Filed observation (output/man hours/ha)		% change in major parameter	Labor reduction (Man hours/ha)				Cost reduction (Rs./ha or Rs./Unit etc.)			
						Demo	Check		Land preparation	Sowing	Weeding	Total	Land preparation	Labour	Irrigation	Total
Hand weeder (Adaptive trial)	Kitchen garden, pulses	Drudgery reduction technology	50	50	Labour requirement man hour/ha	74 Hour	126 Hour	70.27	--	--	6.5 Days*	6.5 Days*	--	389 x 6.5 = 2528	--	2528

* 1day=8 hours & Lebour cost/day=389 Rs.

FLDs under other schemes (Other than KVK-ICAR Budget-TSP, Adaptive trial, (*Rabi*, Summer-2024):

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														
Pigeonpea (Adaptive trial)	ICM	New variety	GT 105	25	5	14.45	12.90	13.63	10.36	31.56	20000	61335	41335	3.07
Pigeonpea (CFLD)	ICM	New variety	GT 104	50	20	15.02	12.45	13.74	10.02	37.13	23000	62368	39368	2.78
Black gram (CFLD)	ICM	New variety	GU 3	50	20	8.35	7.15	7.80	5.25	48.48	20000	64578	44578	3.23
Other crops														
Paddy (Adaptive trial)	ICM	New variety	GNR 7	50	25	22.96	21.04	21.80	19.30	12.98	20000	39258	19258	1.96

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.						
Paddy (Adaptive trial)	ICM	New variety	GNR 9	25	12	22.50	20.72	21.63	18.98	13.94	20000	58401	38401	2.92
Horticultural														
Brinjal	ICM	New variety	GNRB 1	40	0.4	36	31	33.15	30.77	7.73	54875	99450	44575	1.81
Indian bean	ICM	New variety	GNIB 22	14	1.4	39	28	34.64	26.57	30.32	41428.57	79678.57	38250	1.92
Green Gram (natural farming)	ICM	New variety	GM 6	12	1.2	4.9	5.70	5.40	5.91	-8.71	13958.33	32400	18441.67	2.32
Plant Protection														
Mango	IPM	Fruit fly trap	Local varieties	60	30	62	58	60.48	52.02	16.36	60000	266112	206112	4.43
Ext. Education														
Napier grass	Fodder management	New variety	Coimbtour 3	25	1.25	1420	1240	1330	820	62.19	55000	287000	232000	5.21
Green gram	INM	Vermicompost	Local varieties	20	1.50	9.32	8.03	8.63	6.98	23.64	20000	69040	49040	3.45

* 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 (2024-25)

Sr. No.	Discipline	Season	Crop/ Enterprise	Variety/ Technology Input	Area (ha)	No. of Demo.
1.	Crop Production	*Kharif*, 2024-25	Pigeon pea	GT 105	5.2	26
2.		*Kharif*, 2024-25	Gram	GJG 3	5	25
3.	Horticulture	*Rabi*, 2024-25	Mango	Kesar	10	100
4.		*Rabi*, 2024-25	Indian been	GNIB 22	2.5	25
5.	Plant Protection	*Rabi*, 2024-25	Bittergourd	Fruit fly trap	5	25
6.	Animal Science	*Rabi*, 2024-25	Mineral Mixture	-	-	30
Total					**27.7**	**231**

IX. Demonstrations given under other schemes (*Kharif/Rabi/Summer*,2024-25):

Sr. No.	Scheme/ Particulars of the FLD	Season	Crop	Variety/ Component/ Technology	Area/Unit	No. of Demo.
I	**Adaptive trial (Phase-2)**					
1.	Horticulture	*Rabi*, 2024-25	Mango	Kesar	10	100
2.		*Rabi*, 2024-25	Mango	Kesar	6	60
3.		*Rabi*, 2024-25	Mango	Sonpari	4	40
4.	Plant Protection	*Rabi*, 2023-24	Mushroom	Oyster Mushroom	125 Unit	125
5.	Extension Education	*Rabi*, 2023-24	Napier grass	Coimbtour 3	1.25	25
Total					**21.25 ha & 125 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				24	2	26	24	2	26
Resource Conservation Technologies										
Cropping Systems										
Crop Diversification										
Integrated Farming										
Micro Irrigation/irrigation	1				25	0	25	25	0	25
Seed production										
Nursery management										
Integrated Crop Management										
Soil & water conservation	2				25	44	69	25	44	69
Integrated nutrient management										
Production of organic inputs	1				9	1	10	9	1	10
Others (pl. specify) (Natural farming)	11				355	256	611	355	256	611
Total	**16**				**438**	**303**	**741**	**438**	**303**	**741**
II Horticulture										
a) Vegetable Crops										
Production of low value and high value crops	1				40	3	43	40	3	43
Off-season vegetables	1				21	5	26	21	5	26
Nursery raising	2				10	69	79	10	69	79
Exotic vegetables										
Export potential vegetables	2				68	14	82	68	14	82
Grading and standardization										
Protective cultivation										
Others (pl specify)	3				133	47	180	133	47	180
Total (a)	**9**				**272**	**138**	**410**	**272**	**138**	**410**
b) Fruits										
Training and Pruning										
Layout and Management of Orchards	3				75	48	123	75	48	123
Cultivation of Fruit	5				180	26	206	180	26	206
Management of young plants/orchards	1				15	0	15	15	0	15
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques	1				39	1	40	39	1	40
Others (pl specify)	7				169	82	251	169	82	251
Total (b)	**17**				**478**	**157**	**635**	**478**	**157**	**635**
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)	**42**				**1188**	**598**	**1786**	**1188**	**598**	**1786**
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				6	117	123	6	117	123
Poultry Management										
Piggery Management										
Rabbit Management										
Animal Nutrition Management										
Disease Management	3				18	134	152	18	134	152
Feed & fodder technology	2				45	15	60	45	15	60
Production of quality animal products										
Others (pl specify)	3				112	50	162	112	50	162
Total	**10**				**181**	**316**	**497**	**181**	**316**	**497**
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										
Others (pl specify)										
Total										
VI Agril. Engineering										
Farm Machinery and its maintenance										
Installation and maintenance of micro irrigation systems										
Use of Plastics in farming practices										
Production of small tools and implements										
Repair and maintenance of farm machinery and implements										
Small scale processing and value addition										
Post Harvest Technology										
Others (pl specify)										
Total										
VII Plant Protection										
Integrated Pest Management	1				4	21	25	4	21	25
Integrated Disease Management	5				16	157	173	16	157	173
Bio-control of pests and diseases	1				10	8	18	10	8	18
Production of bio control agents and bio pesticides	1				6	44	50	6	44	50
Others (pl specify)	4				26	165	191	26	165	191
Total	**12**				**62**	**395**	**457**	**62**	**395**	**457**
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				24	10	34	24	10	34
Group dynamics	1				20	0	20	20	0	20
Formation and Management of SHGs	1				32	2	34	32	2	34
Mobilization of social capital	1				20	5	25	20	5	25
Entrepreneurial development of farmers/youths	1				2	20	22	2	20	22
WTO and IPR issues										
Others (pl specify)	7				126	162	289	126	162	289
Total	**12**				**224**	**199**	**424**	**224**	**199**	**424**
XI Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems	2				16	73	89	16	73	89
Others (pl specify)										
Total	**2**				**16**	**73**	**89**	**16**	**73**	**89**
GRAND TOTAL	**78**				**1671**	**1581**	**3253**	**1671**	**1581**	**3253**

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	2				20	79	99	20	79	99
Micro Irrigation/irrigation										
Seed production										
Nursery management										
Integrated Crop Management	2				66	5	71	66	5	71
Soil & water conservation										
Integrated nutrient management	2				48	3	51	48	3	51
Production of organic inputs										
Others (pl specify)	5				114	116	230	114	116	230
Total	**11**				**248**	**203**	**451**	**248**	**203**	**451**

II Horticulture										
a) Vegetable Crops										
Production of low value and high value crops										
Off-season vegetables										
Nursery raising	1				23	19	42	23	19	42
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation										
Others (pl specify)	6				153	169	322	153	169	322
Total (a)	**7**				**176**	**188**	**364**	**176**	**188**	**364**
b) Fruits										
Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit										
Management of young plants/orchards										
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques										
Others (pl specify)										
Total (b)										
c) Ornamental Plants										
Nursery Management										
Management of potted plants										
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants										
Others (pl specify)										
Total (c)										
d) Plantation crops										
Production and Management technology										
Processing and value addition										
Others (pl specify)										
Total (d)										
e) Tuber crops										
Production and Management technology										
Processing and value addition										
Others (pl specify)										
Total (e)										
f) Spices										
Production and Management technology										
Processing and value addition										
Others (pl specify)										
Total (f)										
g) Medicinal and Aromatic Plants										
Nursery management										
Production and management technology										
Post harvest technology and value addition										
Others (pl specify)										
Total (g)										
Grand Total (a to g)	**18**				**424**	**391**	**815**	**424**	**391**	**815**
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				1	50	51	1	50	51
Poultry Management	1				50	19	69	50	19	69
Piggery Management										
Rabbit Management										

Animal Nutrition Management										
Disease Management										
Feed & fodder technology	2				24	69	93	24	69	93
Production of quality animal products										
Others (pl specify)	1				11	69	80	11	69	80
Total	**6**				**86**	**207**	**293**	**86**	**207**	**293**
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										
Others (pl specify)										
Total										
VI Agril. Engineering										
Farm Machinery and its maintenance										
Installation and maintenance of micro irrigation systems										
Use of Plastics in farming practices										
Production of small tools and implements										
Repair and maintenance of farm machinery and implements										
Small scale processing and value addition										
Post Harvest Technology										
Others (pl specify)										
Total										
VII Plant Protection										
Integrated Pest Management	4				87	38	125	87	38	125
Integrated Disease Management	4				34	132	166	34	132	166
Bio-control of pests and diseases										
Production of bio control agents and bio pesticides										
Others (pl specify)	1				86	10	96	86	10	96
Total	**9**				**207**	**180**	**387**	**207**	**180**	**387**
VIII Fisheries										
Integrated fish farming										
Carp breeding and hatchery management										
Carp fry and fingerling rearing										
Composite fish culture										
Hatchery management and culture of freshwater prawn										
Breeding and culture of ornamental fishes										
Portable plastic carp hatchery										
Pen culture of fish and prawn										
Shrimp farming										
Edible oyster farming										
Pearl culture										
Fish processing and value addition										
Others (pl specify)										
Total										
IX Production of Inputs at site										
Seed Production										
Planting material production										
Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production										
Organic manures production										

Production of fry and fingerlings										
Production of Bee-colonies and wax sheets										
Small tools and implements										
Production of livestock feed and fodder										
Production of Fish feed										
Mushroom Production										
Apiculture										
Others (pl specify)										
Total										
X Capacity Building and Group Dynamics										
Leadership development	1				13	20	33	13	20	33
Group dynamics	1				47	16	63	47	16	63
Formation and Management of SHGs	1				22	35	57	22	35	57
Mobilization of social capital	1				28	3	31	28	3	31
Entrepreneurial development of farmers/youths										
WTO and IPR issues										
Others (pl specify)										
Total	**4**				**110**	**74**	**184**	**110**	**74**	**184**
XI Agro-forestry										
Production technologies	1				41	0	41	41	0	41
Nursery management										
Integrated Farming Systems										
Others (pl specify)										
Total	**1**				**41**	**0**	**41**	**41**	**0**	**41**
GRAND TOTAL	**38**				**868**	**852**	**1720**	**868**	**852**	**1720**

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				24	2	26	24	2	26
Resource Conservation Technologies										
Cropping Systems										
Crop Diversification										
Integrated Farming	2				20	79	99	20	79	99
Micro Irrigation/irrigation	1				25	0	25	25	0	25
Seed production										
Nursery management										
Integrated Crop Management	2				66	5	71	66	5	71
Soil & water conservation	2				25	44	69	25	44	69
Integrated nutrient management	2				48	3	51	48	3	51
Production of organic inputs	1				9	1	10	9	1	10
Others (pl specify)	16				469	372	841	469	372	841
Total	**27**				**686**	**506**	**1192**	**686**	**506**	**1192**
II Horticulture										
a) Vegetable Crops										
Production of low value and high value crops	1				40	3	43	40	3	43
Off-season vegetables	1				21	5	26	21	5	26
Nursery raising	3				33	88	121	33	88	121
Exotic vegetables										
Export potential vegetables	2				68	14	82	68	14	82
Grading and standardization										
Protective cultivation										
Others (pl specify)	9				286	216	502	286	216	502
Total (a)	**16**				**448**	**326**	**774**	**448**	**326**	**774**
b) Fruits										
Training and Pruning										
Layout and Management of Orchards	3				75	48	123	75	48	123
Cultivation of Fruit	5				180	26	206	180	26	206
Management of young plants/orchards	1				15	0	15	15	0	15
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques	1				39	1	40	39	1	40
Others (pl specify)	7				169	82	251	169	82	251
Total (b)	17				478	157	635	478	157	635

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)	**60**				**1612**	**989**	**2601**	**1612**	**989**	**2601**
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	4				7	167	174	7	167	174
Poultry Management	1				50	19	69	50	19	69
Piggery Management										
Rabbit Management										
Animal Nutrition Management										
Disease Management	3				18	134	152	18	134	152
Feed & fodder technology	4				69	84	153	69	84	153
Production of quality animal products										
Others (pl specify)	4				123	119	242	123	119	242
Total	**16**				**267**	**523**	**790**	**267**	**523**	**790**
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										

Others (pl specify)										
Total										
VI Agril. Engineering										
Farm Machinery and its maintenance										
Installation and maintenance of micro irrigation systems										
Use of Plastics in farming practices										
Production of small tools and implements										
Repair and maintenance of farm machinery and implements										
Small scale processing and value addition										
Post Harvest Technology										
Others (pl specify)										
Total										
VII Plant Protection										
Integrated Pest Management	5				91	59	150	91	59	150
Integrated Disease Management	9				50	289	339	50	289	339
Bio-control of pests and diseases	1				10	8	18	10	8	18
Production of bio control agents and bio pesticides	1				6	44	50	6	44	50
Others (pl specify)	5				112	175	287	112	175	287
Total	**21**				**269**	**575**	**844**	**269**	**575**	**844**
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	2				37	30	67	37	30	67
Group dynamics	2				67	16	83	67	16	83
Formation and Management of SHGs	2				54	37	91	54	37	91
Mobilization of social capital	2				48	8	56	48	8	56
Entrepreneurial development of farmers/youths	1				2	20	22	2	20	22
WTO and IPR issues										
Others (pl specify)	7				126	162	288	126	162	288
Total	**16**				**334**	**273**	**607**	**334**	**273**	**607**
XI Agro-forestry										
Production technologies	1				41	0	41	41	0	41
Nursery management										
Integrated Farming Systems	2				16	73	89	16	73	89

Others (pl specify)										
Total	**3**				**57**	**73**	**130**	**57**	**73**	**130**
GRAND TOTAL	**116**				**2539**	**2433**	**4972**	**2539**	**2433**	**4972**

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	**1**				**31**	**6**	**37**	**31**	**6**	**37**
Rejuvenation of old orchards										
Protected cultivation technology										
Production and use of organic inputs	**1**				**0**	**39**	**39**	**0**	**39**	**39**
Care and maintenance of farm machinery and implements										
Gender mainstreaming through SHGs	**1**				**0**	**35**	**35**	**0**	**35**	**35**
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**	**34**	**34**	**0**	**34**	**34**
Livestock feed and fodder production										
Household food security										
Any other (pl.specify)										
TOTAL	**4**				**31**	**114**	**145**	**31**	**114**	**145**

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	1				31	6	37	31	6	37
Rejuvenation of old orchards										
Protected cultivation technology										
Production and use of organic inputs	1				0	39	39	0	39	39
Care and maintenance of farm machinery and implements										
Gender mainstreaming through SHGs	1				0	35	35	0	35	35
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	34	34	0	34	34
Livestock feed and fodder production										
Household food security										
Any other (pl.specify)										
TOTAL	**4**				**31**	**114**	**145**	**31**	**114**	**145**

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	6				67	147	214	67	147	214
Commercial production of vegetables	1				1	42	43	1	42	43
Production and value addition										
Fruit Plants	4				121	85	206	121	85	206
Ornamental plants										
Spices crops										
Soil health and fertility management										
Production of Inputs at site										
Methods of protective cultivation	1				6	44	50	6	44	50
Others (pl. specify) (Natural farming) (Horticulture)	9				287	246	533	287	246	533
Total	**21**				**482**	**564**	**1046**	**482**	**564**	**1046**
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	1				6	87	93	6	87	93
Animal Nutrition Management	1				40	0	40	40	0	40
Animal Disease Management	2				7	108	115	7	108	115
Fisheries Nutrition										
Fisheries Management										
Others (pl. specify)	3				88	53	141	88	53	141
Total	**7**				**141**	**248**	**389**	**141**	**248**	**389**
Home Science										
Household nutritional security										
Economic empowerment of women										
Drudgery reduction of women										
Others (pl. specify)										
Total										
Agricultural Extension										
CapacityBuilding and Group Dynamics	1				0	47	47	0	47	47
Others (pl. specify) (Ext. Education) (Plant Protection)	16				294	556	850	294	556	850
Total	**17**				**294**	**603**	**897**	**294**	**603**	**897**
GRAND TOTAL	**45**				**917**	**1415**	**2332**	**917**	**1415**	**2332**

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

Area of training	No. of Courses	No. of Participants								
		General/ Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop production and management										
Commercial floriculture										
Commercial fruit production										
Commercial vegetable production										
Integrated crop management										
Organic farming	2				35	16	51	35	16	51
Others (pl. specify)										
Total	**2**				**35**	**16**	**51**	**35**	**16**	**51**
Post harvest technology and value addition										
Value addition	3				5	107	112	5	107	112
Others (pl. specify)										
Total	**3**				**5**	**107**	**112**	**5**	**107**	**112**
Livestock and fisheries										
Dairy farming										
Composite fish culture										
Sheep and goat rearing										
Piggery										
Poultry farming	1				49	4	53	49	4	53
Others (pl. specify)										
Total	**1**				**49**	**4**	**53**	**49**	**4**	**53**
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	1				19	6	25	19	6	25
Nursery, grafting etc.										
Tailoring, stitching, embroidery, dying etc.										
Agril. para-workers, para-vet training										
Others (pl. specify)										
Total	**1**				**19**	**6**	**25**	**19**	**6**	**25**
Agricultural Extension										
Capacity building and group dynamics										
Others (pl. specify)										
Total										
Grand Total	**7**				**108**	**133**	**241**	**108**	**133**	**241**

3.5. Extension Programmes

Activities	No. of programmes	No. of farmers			TOTAL
		Male	Female	Total	
Advisory Services (Other than KMAS)	60	36127	0	36127	36127
Diagnostic visits	63	261	156	417	417
Field Day	4	29	51	80	80
Kisan Ghosthi	8	180	121	301	301
Film Show	60	1066	686	1752	1752
Self -help groups	1	0	28	28	28
Kisan Mela	2	951	803	1754	1754
Exhibition	14	9087	7677	16764	16764
Scientists' visit to farmers field	43	130	100	230	230
Plant/animal health camps	1	9	18	27	27
Farmers' seminar/workshop	2	157	57	214	214
Method Demonstrations	139	1832	1538	3370	3370
Celebration of important days	14	713	615	1328	1328
Exposure visits	19	237	275	512	512

Others (pl.specify)	0	0	0	0	0
Lecture Delivered	151	7060	6382	13442	13442
Field Visit	46	250	234	484	484
FLD Visit	35	46	24	70	70
OFT Visit	4	29	35	64	64
Farmers Visit to KVK	14	1850	2196	4046	4046
Farmers Scientist Interaction	49	305	147	452	452
Farmers Meetings	2	16	2	18	18
BRS students placement	4	25	9	34	34
TV, Redio Talk	4	0	0	0	0
Farm School	7	106	67	173	173
Soil Health Campaigns	3	45	59	104	104
Mera Gav Mera Gourav	2	32	26	58	58
Survey work	24	564	138	702	702
Swachh Bharat Abhiyan	17	877	229	1106	1106
Video send to Farmers mobile	20	13589	0	13589	13589
Telephone Helpline	86	3690	0	3690	3690
PHC Diagnostic Services	35	65	6	71	71
Total	**933**	**79328**	**21679**	**101007**	**101007**

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

Details of other extension programmes:

Particulars	Number
News coverage	29
Success story	02
Research Paper	01
Research Abstracts	03
Popular Article	43
Books	01
Technical Report	248
Participation (Meeting, Seminar, Conferaence, Workshops, Trainings)	112
Kisan SMS/Whatsapp SMS	82
Telephone helpline	3690 (Framers)
Other activities/duties: (Teaching, Examination-Supervision, Election, Krushi Mahotsav)	140
Total	**4551**

3.6 Online activities during year 2024

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	GNR 7	15.40	46046	-
Cereals	Paddy	New variety	GR 18	18.90	46494	-
Cereals	Paddy	New variety	GNR 8	9.80	16660	-
Cereals	Paddy	New variety	GR 17	12.66	36246	-
Pulses	Gram	New variety	GJG 6	5.00	37500	-
Pulses	Black Gram	New variety	GU 3	1.15	6900	-
Pulses	Green gram	New variety	GM 6	6.75	87750	-
Pulses	Pigeonpea	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	Brinjal	New variety	-	7000	70000	120
Fruits	Mango	New variety	Kesar, Totapuri, Desi	-	125000/- 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	Impact of Climate change on Global Agriculture: Challenges and Adaptation	Harshad A. Prajapati, Khushboo Yadav, Yamuna Hanamasagar, Margam Bharath Kumar, Tanzeel Khan, Ningaraj Belagalla, Vimala Thomas, Afshan Jabeen, G. Gomadhi, G. Malathi	01
Abstract	Knowledge of dairy farmers in South Gujarat about Zoonotic diseases	Durgga Rani. V, R.S. Ghasura, Deepti Nayak , J.B.Dobariya	03
	Impact of frontline demonstration of new variety (Var. Gnib 21/Nps 1). Usee of bio fertilizers and Novel Organic liquid nutrient on yield of Indian Bean in the Dangs distric of Gujart	H. A. Prajapati, J. B. Dobariya and L. V. Ghetiya	
	Constraints and suggestion in aspirtion of educated youths towards agricultural enterprises of Gujarat state	J. B. Dobariya, H. A. Prajapati, L.V. Ghetiya and Mahaveer Choudhary	
Technical reports	Activities related to millet 2023	ATARI, Pune	01
	MPR of January 2024	Senior scientist and head, KVK, NAU, Waghai	01
	Preparation of MPR of January month	Senior scientist and head, KVK, NAU, Waghai	01
	MPR January 2024	Senior scientist & head, KVK, NAU, Waghai	01
	Preparation of MPR of January 2024	Senior scientist and head, KVK, NAU, Waghai	01
	Revised Natural Farming Report 16 to 31 December - 2023	DEE, NAU, Navasari	01
	Reg- Demo details of Out-scaling of natural farming in FY 2023-24	DEE, NAU, Navasari,DAN,	01
	Monthly Progress Report of December 2023	DEE, NAU, Navasari,DAN,	01
	Reg- Information required for Tribal districts	ATARI Pune	01
	News Paper Coverage Clippings & information of VVIPs visits to KVK	ATARI Pune	01
	Publication of the quarterly NAU spectrum news bulletin for the period of Oct.-23 to Dec.-23	DEE, NAU, Navasari,DAN,	01
	Regarding Arrangement of 3-Day Training Program for Faculty related to International Year of Millets at KVK,NAU, Waghai	DEE, NAU, Navasari,DAN,	01
	Natural farming activities 1 to 15 January, 2024	DEE, NAU, Navasari,DAN,	01
	Demand letter of Napier grass	lrsnv kamdhenuuni.	01
	Regarding Solar Energy workshop (GEDA)	KVK Vyara Dist.Tapi	01
	Involvement of Governor, CM, Central Minister,State Minister, MP/MLA/VIP (No.) for last 6 years	ATARI Pune	01
	Annual Progress Report 2023: MGMG	DEE, NAU, Navasari,DAN,	01
	Invitation of Training programme on Millets - reg.	DEE, NAU, Navasari,DAN,	01
	Celebration of national voters day 2024	DEE, NAU, Navasari,DAN,	01
	AUC of the project "farmers outreach Programme on Natural farming"- Reg.	ATARI Pune	01

	Information of Natural Farming of KVK, Dangs	ATARI Pune	01
	MPR of February 2024	Senior scientist and head, KVK, NAU, Waghai	01
	Report of Seed production	ATARI, Pune	01
	Achivment of CFLD pulse 2023-24	ATARI, Pune	01
	Preparation of 23rd SAC Report	Senior scientist and head, KVK, NAU, Waghai	01
	Preparation of MPR of January month	Senior scientist and head, KVK, NAU, Waghai	01
	MPR February 2024	Senior scientist & head, KVK, NAU, Waghai	01
	Preparation of MPR of February 2024	Senior scientist and head, KVK, NAU, Waghai	01
	Preparation of 23rd SAC report	Senior scientist and head, KVK, NAU, Waghai	01
	Discontinuation of service of DAMU under GKMS - reg	DEE, NAU, Navasari	01
	Compilation of Information related to Natural Farming	ATARI Pune	01
	Monthly Progress Report of January 2024	DEE, NAU, Navasari	01
	Regarding Natural Farming activities of SAUs	DEE, NAU, Navasari	01
	Natural farming activities 1 to 15 February 2024	DEE, NAU, Navasari,DAN,	01
	Revise Regarding Natural Farming activities of SAUs	DEE, NAU, Navasari,DAN,	01
	Prakrutik krushi vishay par krushi sakhione 5-divasiy talim aapava vishay nishnantnu nam babat	DEE, NAU, Navasari,DAN,	01
	Information Regarding Sustainable Models of Agriculture developed by KVKs.	ATARI Pune	01
	Regarding Bank Mandate Form of KVK-Dangs	ATARI Pune	01
	Information Regarding Sustainable Models of Agriculture developed by KVKs.	ATARI Pune	01
	Regarding 23rd SAC meeting at KVK, NAU, Waghai (Dangs)	ATARI Pune	01
	Regarding 23rd SAC meeting at KVK, NAU, Waghai (Dangs)	DEE, NAU, Navasari,DAN,	01
	Release of 16th instalment of PM-Kisan Scheme-reg Photographs	ATARI Pune	01
	Preparation pf 20th AGRESCO report	Conviner, Social scienc group	01
	Preparation of 23th SAC meeting report	Honourable Vice chancellor, NAU, Navsari	01
	MPR of March 2024	Senior scientist and head, KVK, NAU, Waghai	01
	CFLD Oilseed conducted in summer Season 2023-24	ATARI, Pune	01
	MPR March 2024	Senior scientist & head, KVK, NAU, Waghai	01
	Preparation of MPR of March 2024	Senior scientist and head, KVK, NAU, Waghai	01
	Natural farming activities 15-29 February -2024	DEE, NAU, Navasari	01
	SAC Press not	Mahiti khatu, Ahwa	01
	Information Regarding Sustainable Models of Agriculture developed by KVKs	ATARI Pune	01
	Monthly Progress Report of February 2024	DEE, NAU, Navasari	01
	Annual Progress Report January-December 2023	ATARI Pune	01
	Celebration of International Women's Day at KVK, Dang	ATARI Pune	01
	Regarding review meeting of KVK-Waghai	DEE, NAU, Navasari,DAN,	01
	Information regarding Natural farming activities	DEE, NAU, Navasari	01
	Approval request of KVKs website development	IT, NAU, Navsari	01
	Proposal of Website Development of KVK-Dangs	DEE, NAU, Navasari	01
	Preparation of 23th Scientific advisory committee meeting minutes in Eglish as well as Gujarat	Honourable vice chancellor, NAU, Navsari	01
	MPR of April 2024	Senior scientist and head, KVK, NAU, Waghai	01
	Progress report of CFLD Pulse 2023-24	ATARI, Pune	01
	SAP quarterly report	ATARI, Pune	01

	Preparation of MPR of January month	Senior scientist and head, KVK, NAU, Waghai	01
	MPR April 2024	Senior scientist & head, KVK, NAU, Waghai	01
	Preparation of MPR of April 2024	Senior scientist and head, KVK, NAU, Waghai	01
	વર્ષ ૨૦૨૩-૨૪ માં થયેલ આવક ખર્ચની માહિતી મોકલવા બાબત	Nodal Officer (Megaseed) and Unit Head, NAU, Navsari	01
	Regarding review meeting of KVK-Waghai on dated 2nd April, 2024	DEE, NAU, Navasari	01
	Information on Present status of Crop and recommendations for next season photographs	ATARI, Pune	01
	Publication of the quarterly NAU spectrum news bulletin for the period of January-2024 to March-2024	DEE, NAU, Navasari	01
	Monthly Progress Report of March 2024	DEE, NAU, Navasari	01
	Progress of TSP for Jan to March 2024	ATARI, Pune	01
	Photographs Awards/ recognition received and Visits given by visitors to KVK during 2023.	ATARI, Pune	01
	Tentative Seed production programme for 2024-25	Nodal Officer (Megaseed) and Unit Head, NAU, Navsari	01
	Annual Development Progress report (2023-24) of plan scheme Adaptive Trial	DEE, NAU, Navasari	01
	Information for the period April 2023 to March 2024 of KVK, Dangs	DEE, NAU, Navasari	01
	Information formate for Res Paper,artical,awards APR 2023-24	DEE, NAU, Navasari	01
	Information formate for Res Paper,artical,awards APR 2022-23	DEE, NAU, Navasari	01
	Project Detail for Website Development KVK Waghai(The Dangs)	Omega telesolution	01
	Information regarding Natural farming activities	DEE, NAU, Navasari	01
	Regarding Photographs of GKMS DAMU activities in 2023	ATARI, Pune	01
	ફાર્મર હોસ્ટેલ રીપેર અને રિનોવેશન માટે અંદાજપત્ર આપવા બાબત	Exwcutive Engg., NAU, Navsari	01
	ડેમોસ્ટ્રેશન યુનિટનાં બાંધકામ માટે અંદાજપત્ર)Estimate) આપવા બાબત	Exwcutive Engg., NAU, Navsari	01
	Progressive farmer list for foundation day of NAU	DEE, NAU, Navasari	01
	DFI Farmer Scanned copy of Doubling Farmers Income Verification from Respective Farmers	ATARI, Pune	01
	Video of DFI Farmers of KVK Dangs	ATARI, Pune	01
	PPT of awardee farmer Kishorbhai Ganvit of KVK, Dangs for foundation day of NAU.	DEE, NAU, Navasari	01
	તાંત્રિકતા / ભલામણની ઇમ્પેકટના અભ્યાસનું તારણ ૨૦૨૩-૨૪ મોકલવા બાબત	DEE, NAU, Navasari	01
	Information regarding Natural farming activities	DEE, NAU, Navasari	01
	MPR of May 2024	Senior scientist and head, KVK, NAU, Waghai	01
	Preparation of MPR of January month	Senior scientist and head, KVK, NAU, Waghai	01
	MPR May 2024	Senior scientist & head, KVK, NAU, Waghai	01
	Preparation of MPR of May 2024	Senior scientist and head, KVK, NAU, Waghai	01
	Monthly Progress Report of April 2024	DEE, NAU, Navasari	01
	Issues pertaining to KVKs and NAU- Reg.	DEE, NAU, Navasari	01
	Expenditure details of 'Out scaling of Natural farming' FY. 2023-24- Reg.	ATARI Pune	01

	Estimate for Repair and maintenance of Farmer's hostel	DEE, NAU, Navasari, ATARI Pune	01
	Information regarding Natural farming activities	DEE, NAU, Navasari,	01
	Technical massagema aavari levata khedutoni sankhya	DEE, NAU, Navasari,	01
	Prakrutik krushina model farmni vigato sadar karava babat	DEE, NAU, Navasari,	01
	Regarding review meeting of KVK-Waghai on dated 23rd May, 2024	DEE, NAU, Navasari,	01
	MPR of June 2024	Senior scientist and head, KVK, NAU, Waghai	01
	Details of beneficiaries of CFLD pulse 2023-24	ATARI, Pune	01
	Progress report of CFLD pulse 2023-24	ATARI, Pune	01
	TSP megaseed progress report of Q1	Megaseed, NAU, Navsari	01
	Preparation of MPR of June month	Senior scientist and head, KVK, NAU, Waghai	01
	MPR june 2024	Senior scientist & head, KVK, NAU, Waghai	01
	Preparation of MPR of JUNE 2024	Senior scientist and head, KVK, NAU, Waghai	01
	Monthly Progress Report of May 2024	Senior scientist & Head, KVK, Waghai and DEE, Navsari	01
	Information regarding filled and Vacant post of KVK-Waghai	ATARI Pune	01
	Short tender notice	District information officer, Ahwa, Dangs	01
	Purchase order of Richo zerox machine cartridge	Richo zerox machine	01
	સંશોધન સ્થાઓ/યુનિવર્સિટીઓમાં સલામતીના ધોરણો જાળવવા તથા ફાયર સેફ્ટી સુનિશ્ચિત કરવા બાબત..	registar@nau.in	01
	Regarding allocation of KVKs grant	Comptroller,NAU, Navasari,	01
	Additional amount necessary under the salary head (up to June 30th, 2024)	ATARI Pune	01
	Information regarding Natural farming activities 1 to 15 June 2024	DEE, NAU, Navasari,	01
	Participation in live screening of release of 17th Instalment of PM KISAN on 18th June 2024 (Photographs & Videos of KVK, Dangs)	ATARI Pune	01
	Inbound Calls Problems in Expert Scientist	Kisan Sarathi	01
	10 slides of KVK Dangs for Review meeting	DEE, NAU, Navasari,	01
	Salary statement for the month of May 2024	ATARI Pune	01
	Continuation of Service of DAMU under GKMS	DEE, NAU, Navasari,	01
	MPR of July 2024	Senior scientist and head, KVK, NAU, Waghai	01
	Quarterly report of SAP	ATARI, Pune	01
	Preparation of MPR of July month	Senior scientist and head, KVK, NAU, Waghai	01
	Krushi utpadanoma jantunashak avshesho nivarva angeni kamgiri	Talim and mulakat vibhag, Kheti, Gandhinagar	01
	Krushi utpadanoma jantunashak avshesho nivarva angeni kamgiri	Talim and mulakat vibhag, Kheti, Gandhinagar	01
	MPR july 2024	Senior scientist & head, KVK, NAU, Waghai	01
	Preparation of MPR of JULY2024	Senior scientist and head, KVK, NAU, Waghai	01
	Monthly Progress Report of May 2024	Senior scientist & Head, KVK, Waghai and DEE, Navsari	01
	Provide information on Status of livestock in adopted villages of KVK	DEE, NAU, Navasari,	01
	Progress of TSP for April to June 2024	ATARI Pune	01
	Quarterly report (01-04-2024 to 30-06-2024) of plan scheme - Adaptive Trial	DEE, NAU, Navasari,	01
	Publication of the quarterly NAU spectrum news bulletin	ATARI Pune	01

	for the period of April-2024 to June-2024		
	Details of significant activities of KVKs during January - June 2024	Comptroller,NAU, Navasari,	01
	Press Note	IT, NAU, Ahwa	01
	તા.૧૧/૦૭/૨૦૨૪ ના રોજ બપોરે ૧૪-૦૦ કલાકે કૃષિ વિજ્ઞાન કેન્દ્ર, ન.કૃ.યુ., વઘઈ)ડાંગ (ખાતે મળેલ સમિક્ષા બેઠકની કાર્યવાહી નોંધ	Senior scientist & Head, KVK, Waghai and DEE, Navsari	01
	MPR of August 2024	Senior scientist and head, KVK, NAU, Waghai	01
	Report of TSP megassed	Megaseed, NAU, Navsari	01
	Preparation of MPR of August month	Senior scientist and head, KVK, NAU, Waghai	01
	Krushi Utpadano ma jantunashak nivarva ange no Gandhinagar report	DEE, NAU, Waghai	01
	Preparation of MPR of August 2024	Senior scientist and head, KVK, NAU, Waghai	01
	Monthly Progress Report of August 2024	Senior scientist & Head, KVK, Waghai and DEE, Navsari	01
	Information regarding Natural farming activities 16 to 31 July	DEE, NAU, Navasari,	01
	Regarding Arrangement of 3-Day Training Program for Faculty and farmers at KVK, NAU, Waghai	EEI, AAU, Anand	01
	Monthly Progress Report July 2024	DEE, NAU, Navasari,	01
	Report of programme conducted on the occasion of release of 109 Climate Resilient and Biofortified Crop Varieties by Hon'ble Prime Minister on 11th August 2024	ATARI, Pune	01
	Natural Farming activity reportAugust 1 to 15	DEE, NAU, Navasari,	01
	Nomination to Members of SHGs to 3 days training - regards	Mission mangalam, Waghai, Ahwa	01
	KVK details of Annual Zonal workshop	DEE, NAU, Navasari,	01
	Release the press note of 3 days training	Information Department, Ahwa	01
	Release the press note of 3 days training	Information Department, Ahwa	01
	MPR of July-2024	DEE, NAU, Navsari	01
	Report of 32 points (2021, 2022 & 2023)	ATARI PUNE	01
	MPR of September 2024	Senior scientist and head, KVK, NAU, Waghai	01
	Preparation of MPR of September month	Senior scientist and head, KVK, NAU, Waghai	01
	Preparation of MPR of August 2024	Senior scientist and head, KVK, NAU, Waghai	01
	Information regarding Natural farming activities, 16 to 31 August, 2024	DEE, NAU, Navasari,	01
	Training to be organized under 100 days activities programme (From 1 July 2024 to 8 October 2024)	ATARI, Pune	01
	Monthly Progress Report August 2024	DEE, NAU, Navasari,	01
	Information needed by Hon'ble DDG (Ag Ext), ICAR	DEE, NAU, Navasari,	01
	જાન્યુઆરી ૨૦૨૫ થી માર્ચ ૨૦૨૫ દરમ્યાન પ્રસારીત થનાર કૃષિ વિષયક કાર્યક્રમ માટે વિષય/વ્યાખ્યાનોની માહિતી	DEE, NAU, Navasari,	01
	Regarding Radio talk At Daman Radio station	DEE, NAU, Navasari,	01
	Information regarding Natural farming activities to 1 to 15 September 2024	DEE, NAU, Navasari,	01
	Action taken report on the proceedings of 34th ZREAC meeting held on 17th October 2023	T & V NAU, Navsari	01
	"ટેકનોલોજી સપ્તાહ" અને "Krishak Swarn Samriddhi Week" અંતર્ગત વિવિધ કાર્યક્રમોમાં નિમંત્રણ આપવા બાબત	Various line department, NGOs and other institute	01
	Release the press note of Inauguration of Krishak Swarn Samriddhi Week	Information Department, Ahwa	01
	Release the press note of celebration of Krishak Swarn	Information Department, Ahwa	01

	Samriddhi Week and Technology Week		
	Presentation (PPT) of APR - 2023 for Annual Workshop of Zone VIII of KVKs	For Annual Workshop at JAU, Junagadh	01
	MPR of October 2024	Senior scientist and head, KVK, NAU, Waghai	01
	Quarterly report of TSP mega seed	Mega seed, NAU, Navsari	01
	Preparation of MPR of october month	Senior scientist and head, KVK, NAU, Waghai	01
	Preparation of MPR of October 2024	Senior scientist and head, KVK, NAU, Waghai	01
	Information regarding Natural farming activities 16 to 30 September	DEE, NAU, Navasari	01
	35 મી ZREAC માં પ્રગતિશીલ ખેડૂતોને ભાગ લેવા બાબત	DEE, NAU, Navasari	01
	હીરક મહોત્સવ : ૨૦૨૪ અન્વયે થયેલ પ્રવુતિની વિગત મોકલવા બાબત	DEE, NAU, Navasari	01
	Targets and achievements of 2nd Qtr (1.7.24 to 30.9.24) of the Development Action Plan for TSP (DAPST) for 2024-25	Megaseed, NAU, Navasari	01
	Monthly Progress Report Septmber 2024	DEE, NAU, Navasari,	01
	Quarterly Progress report: July to September 2024 of Natural Farming of KVK, N.A.U., Waghai(Dang)	DEE, NAU, Navasari,	01
	Report on 35th ZREAC	TVS & DEE, NAU, Navasari,	01
	Spectrum July to Sept 2024	DEE, NAU, Navasari,	01
	Progress report of MGMG (Mera Gaon Mera Gaurav) 2023-24	DEE, NAU, Navasari,	01
	Quarterly report (01-07-2024 to 30-09-2024) of plan scheme - Adaptive Trial	DEE, NAU, Navasari,	01
	Information regarding Natural farming activities 1 to 15 October	DEE, NAU, Navasari,	01
	Training to be organized under 100 days activities programme (From 1 July 2024 to 8 October 2024)	ATARI, Pune	01
	MPR of November 2024	Senior scientist and head, KVK, NAU, Waghai	01
	Report of fertilizer demand in district	ATARI, Pune	01
	Report of NEP-IARI from 2015-2024	DEE, NAU, Navsari	01
	Preparation of MPR of october month	Senior scientist and head, KVK, NAU, Waghai	01
	Preparation of MPR of December 2024	Senior scientist and head, KVK, NAU, Waghai	01
	Monthly Progress Report October 2024	DEE, NAU, Navasari	01
	Regarding ICAR Scientists visit to KVK-Dang	DEE, NAU, Navasari	01
	Proceeding note of staff meeting in the presence of Senior Scientist and Head	DEE, NAU, Navasari	01
	Information regarding Natural farming activities 1 to 15 November 2024	DEE, NAU, Navasari	01
	Revised Provide training schedule of a Two day Training Workshop on Agriculture Marketing 2024-25 Regarding	DEE, NAU, Navasari,	01
	Regarding Best Innovative Farmers Award for the Year 2022-23	DEE, NAU, Navasari,	01
	MPR of December 2024	Senior scientist and head, KVK, NAU, Waghai	01
	Preparation of MPR of october month	Senior scientist and head, KVK, NAU, Waghai	01
	Preparation of MPR of December 2024	Senior scientist and head, KVK, NAU, Waghai	01
	Monthly Progress Report Nvember 2024	DEE, NAU, Navasari	01
	Information regarding Natural farming activities, 16 to 30 November 2024	DEE, NAU, Navasari	01
	Permission regarding kendranivas	Vanseva Maha Vidhyalay, Bilpudi	01
	Release the press note of 2 day training/workshop on Agricultural Marketing	Mahiti Khatu, Ahwa, Dangs	01

	Information regarding Natural farming activities 1 to 15 December 2024	DEE, NAU, Navasari,	01
	Success story for Krishi Mela	KVK, NAU, Tapi	01
	Provide information for NIRF ranking - 2025 on or before 20/12/2024	DEE, NAU, Navasari,	01
	Report of the Program Conducted at KVK, NAU, Dangs, Gujarat "Agriculture marketing strategies for Agricultural products of The Dang district"	NIAM, Jaipur, Rajasthan	01
News letters	*Krishi vigyank kendra, waghai dvara sajupada gam khate prakrutik krushini 2 divasiy talim yojai*	I News 7	01
	Sajupada gam khate prakrutik krushini 2 divasiy talim sibir	Sandesh News	01
	Krishi vigyank kendra, waghai dvara sajupada gam khate prakrutik krushini 2 divasiy talim yojai	Janadesh News	01
	Krishi vigyank kendra, waghai dvara sajupada gam khate prakrutik krushini 2 divasiy talim yojai	Zatpat News	01
	krushi vigyan kendra waghai dvara subir talukana mokhamal gam khate prakrutik talim yojai	Gujaratraksha	01
	Prakrutik khetima ochha kharche vadhu aavak melavava khedutone mahitgar karaya	Divyabhaskar	01
	Krushi Vigyan Kendra, Waghai khatee panch divasiy vyavsayik bamboo craftni talim yojai	Valsaly News	01
	Vasn topli ane any vas hastkal utpadan ange talim	DD Gujarat	01
	Krushi Vigyan Kendra, Waghai khatee panch divasiy vyavsayik bamboo craftni talim yojai	Gujarat raksha	01
	Aadivasi vistarna sakhi mandalna baheno mate krushi pedashona vechan angeni vyuharachana upar 3 divasiy talim yojai	Public App	01
	Dang Jilana Sakhi Mandaloni bahenone krushi pedashona vechan ange talim	Sandesh	01
	Dang jillana waghai kruishi vigyan kendar ant prasar shikshan santha, aandadna sayukt upkrame sankalit krushi pranali vishay par talimnu aayojan karavama aavyu	Youtub chanal	01
	Dang jillana waghai kruishi vigyan kendar ant prasar shikshan santha, aandadna sayukt upkrame sankalit krushi pranali vishay par talimnu aayojan karavama aavyu	Samana News	01
	Dang ma sakalit kruhi pranali vishay par talim apaai	Samachar News	01
	Dang ma sakalit kruhi pranali vishay par talim apaai	Sandesh News	01
	Dang jillana waghai kruishi vigyan kendar ant prasar shikshan santha, aandadna sayukt upkrame sankalit krushi pranali vishay par talimnu aayojan karavama aavyu	Janadesh News	01
	Dang jillana sakhi madaloni bahenone krushi pedsashona vechan ange talim	Samachar News	01
	Waghai nagarna krushi vigyan kendra, waghai khate "KRISHI SWARN SAMRUTHI SAPTAH" ni sharuaat	Nayandarshan News	01
	Waghai nagarna krushi vigyan kendra, waghai khate "KRISHI SWARN SAMRUTHI SAPTAH" ni sharuaat karavama aavi hati	Satya Day News	01
	Krushi Vigyan kendra waghai khate Ma.Nayak mukhy dandakshree Vijaybhai Patel "KRISHI SWARN SAMRUTHI SAPTAH" ni sharuaat karavama aavi hati	Gujaratraksha	01
	Krushi Vigyan kendra waghai khate"KRISHI SWARN SAMRUTHI SAPTAH" no aarambh karayo. 200 kheduto hajar rahya.	You Tube	01
	Krushi Vigyan kendra waghai khate Ma.Nayak mukhy dandakshree Vijaybhai Patel "KRISHI SWARN SAMRUTHI SAPTAH" ni sharuaat karavama aavi hati	Tahelka News	01
	Krushi Vigyan kendra waghai khate "KRISHI SWARN SAMRUTHI SAPTAH" ane "TECHNOLOGY SAPTAH" ni ujavani karavama aavi	Gujaratraksha	01
	PROMOTION OF CULTIVATION OF MILLETS	DD GIRNAR GUJARATI NEWS	01
	Waghai krushi university ma prakrutik kheti vishyak dang jilla kaxano mardarshak seminar	Satyaday and Sandesh	01

	Waghai Krushi Universityma prakrutik kheti vishayak Dang jilla karyashalano margadarshan seminar	Sandesh and Satyade news	01
	Waghai Khate Krushi Utpadan na marketing ni vyuh Rachana par Parisvad	DD Girnar	01
	Navsari Khate Agami 21 thi 23 December 2024 daramiyan Bhavy Krushi Mela Nu Ayojan: Dr. Z. P. Patel Honourable Vice Chancellor, NAU, Navsari Emphasis to Farmers and stall holders of Dangs Districts	DD Girnar	01
	Navsari Krushi University Khate Viksit Bharat Mate Vistaran Ane Navinyata ane Safal Rachana Upar National Seminar Yojano	Vasalye Samachar	01
	Krishi vigyank kendra, waghai dvara sajupada gam khate prakrutik krushini 2 divasiy talim yojai	I News 7	01
	Sajupada gam khate prakrutik krushini 2 divasiy talim sibir	Sandesh News	01
	Krishi vigyank kendra, waghai dvara sajupada gam khate prakrutik krushini 2 divasiy talim yojai	Janadesh News	01
	Krishi vigyank kendra, waghai dvara sajupada gam khate prakrutik krushini 2 divasiy talim yojai	Zatpat News	01
	krushi vigyan kendra waghai dvara subir talukana mokhamal gam khate prakrutik talim yojai	Gujaratraksha	01
	Prakrutik khetima ochha kharche vadhu aavak melavava khedutone mahitgar karaya	Divyabhaskar	01
	Krushi Vigyan Kendra, Waghai khatee panch divasiy vyavsayik bamboo craftni talim yojai	Valsaly News	01
	Vasn topli ane any vas hastkal utpadan ange talim	DD Gujarat	01
	Krushi Vigyan Kendra, Waghai khatee panch divasiy vyavsayik bamboo craftni talim yojai	Gujarat raksha	01
	Aadivasi vistarna sakhi mandalna baheno mate krushi pedashona vechan angeni vyuharachana upar 3 divasiy talim yojai	Public App	01
	Dang Jilana Sakhi Mandaloni bahenone krushi pedashona vechan ange talim	Sandesh	01
	Dang jillana waghai kruishi vigyan kendar ant prasar shikshan santha, aandadna sayukt upkrame sankalit krushi pranali vishay par talimnu aayojan karavama aavyu	Youtub chanal	01
	Dang jillana waghai kruishi vigyan kendar ant prasar shikshan santha, aandadna sayukt upkrame sankalit krushi pranali vishay par talimnu aayojan karavama aavyu	Samana News	01
	Dang ma sakalit kruhi pranali vishay par talim apaai	Samachar News	01
	Dang ma sakalit kruhi pranali vishay par talim apaai	Sandesh News	01
	Dang jillana waghai kruishi vigyan kendar ant prasar shikshan santha, aandadna sayukt upkrame sankalit krushi pranali vishay par talimnu aayojan karavama aavyu	Janadesh News	01
	Dang jillana sakhi madaloni bahenone krushi pedsashona vechan ange talim	Samachar News	01
	Waghai nagarna krushi vigyan kendra, waghai khate "KRISHI SWARN SAMRUTHI SAPTAH" ni sharuaat	Nayandarshan News	01
	Waghai nagarna krushi vigyan kendra, waghai khate "KRISHI SWARN SAMRUTHI SAPTAH" ni sharuaat karavama aavi hati	Satya Day News	01
	Krushi Vigyan kendra waghai khate Ma.Nayak mukhy dandakshree Vijaybhai Patel "KRISHI SWARN SAMRUTHI SAPTAH" ni sharuaat karavama aavi hati	Gujaratraksha	01
	Krushi Vigyan kendra waghai khate"KRISHI SWARN SAMRUTHI SAPTAH" no aarambh karayo. 200 kheduto hajar rahya.	You Tube	01
	Krushi Vigyan kendra waghai khate Ma.Nayak mukhy dandakshree Vijaybhai Patel "KRISHI SWARN SAMRUTHI SAPTAH" ni sharuaat karavama aavi hati	Tahelka News	01
	Krushi Vigyan kendra waghai khate "KRISHI SWARN SAMRUTHI SAPTAH" ane "TECHNOLOGY SAPTAH" ni ujavani karavama aavi	Gujaratraksha	01

	PROMOTION OF CULTIVATION OF MILLETS	DD GIRNAR GUJARATI NEWS	01
	Waghai krushi university ma prakrutik kheti vishyak dang jilla kaxano mardarshak seminar	Satyaday and Sandesh	01
	Waghai Krushi Universityma prakrutik kheti vishayak Dang jilla karyashalano margadarshan seminar	Sandesh and Satyade news	01
	Waghai Khate Krushi Utpadan na marketing ni vyuh Rachana par Parisvad	DD Girnar	01
	Navsari Khate Agami 21 thi 23 December 2024 daramiyan Bhavy Krushi Mela Nu Ayojan: Dr. Z. P. Patel Honourable Vice Chancellor, NAU, Navsari Emphasis to Farmers and stall holders of Dangs Districts	DD Girnar	01
	Navsari Krushi University Khate Viksit Bharat Mate Vistaran Ane Navinyata ane Safal Rachana Upar National Seminar Yojano	Vasalye Samachar	01
Technical bulletins	Preparation of Agromet Advisory	IMD	01
Popular articles	Gramin Krushi mausam sevanu Krushima mahatv	Krushi jivan, year 56, Ank 6, Salang Ank 663	01
	Gunvattsabhar krushi inputs ni agtyata ane tena fayda	Krushijivan	01
	Upgraho,naksha ane jamin vigyan-remote sensing ane bhaugolik mahite tantranee bhumika	Krushi jivan, year 56, Ank 7, Salang Ank 664	01
	Unalama garmi ma yogy pashu mavjat	Krushi prabhat	01
	Krishi ma talim ni agatyata	*Varsh 56, Ank 09, Salag Ank 666, April 2024*	01
	Achhatna samye pashudhanni sarsambhal	Krushi Prabhat	01
	Achhatna samye pashu aharma dhyanma rakhvana mudda	Krushi Prabhat	01
	Khetima mycorhiza ni agtyata	Krushi Jivan, Varsh 56, Ank-11, Salang ank-668	01
	વરસાદ આવ્યા બાદ હજારો મકોડાને પાંખો કેમ ફૂટે છે, શું છે તેની પાછળનું કારણ? (Why do thousands of Ants appeared with their wings after first rain of season, what is the reason behind it?)	https://www.bbc.com/gujarati/articles/c51y98n4j42o	01
	વરસાદ પડે ત્યારે હજારો માખી ક્યાંથી અને કેવી રીતે આવી જાય છે? **(Where and how do thousands of flies come when rains started?)**	https://www.bbc.com/gujarati/articles/cye0w0nn33ro	01
	Sagni vaigyanik kheti padhdhti	Krushi jivan	01
	Chandanani nafakarak kheti padhdhti	Krushi jivan	01
	Chomasani rutuma pashuoni yoogy sarsambhal	Krushi jivan	01
	Dakshin gujaratma chomasama jova malto jivalen rog:Leptospirosis	Krushi jivan	01
	Tindolani vaiganik kheti	Krushi jivan	01
	Tindolani kheti mate jaruri ayamo	Narmada Kisan Parivar Patra	01
	Tindola ni kheti mate jaroori aayamo	Krushi jivan	01
	ઉધઈ કેવા વિસ્તારમાં વધુ લાગે? રોકડ અને રૂપિયા કેમ ખાઈ જાય? (In what area do termites seem more? Why eat cash and rupees?)	https://www.bbc.com/gujarati/articles/cx82q7d5wjdo	01
	Swachchha dudh utpadan: Gunavatta sudharava mate jaroori pagla	*Narmada Kisan Parivarpatra*, 41: 16-18.	01
	Strawberry ni safal kheti mate ni margdarsika	Narmada Kishan Parivar Patra	01
	Pasuna aaharma khanij ksharnu mahatav	Narmada Kishan Parivar Patra	01
	Sargvani Kheti: Pasupalkne prtyek mosham ma male sasto ane poshak charo	Narmada Kishan Parivar Patra	01
	Mushroom ni kheti	Narmada Kishan Parivar Patra	01
	Pashu rogchala darmiyan levana agtyana pagla	Narmada Kishan Parivar Patra	01
TOTAL			**292**

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 -01

Increase in millet cultivation and production

Dr. P. P. Javiya, Dr. L. V. Ghetiya, Mr. B. M. Vahunia, Dr. S. A. Patel, Dr. J. B. Dobariya & Mr. H. A. Prajapati

- **Background/Problem statement**

In dang district, productivity of millets is low because of not maintaining proper spacing and sowing method by farmers. Due to this, severe weed and low tillering problem occur in the area which ultimately reduces the yield and income of the farmers. Most of the farmers were throwing millets seedling so that 8-10 kg/ha seed required in place of 4-5 kg/ha, which ultimately increase the seed cost. Most of the farmers are tribal and resource poor, so that they have not knowledge regarding scientific cultivation practices of millets.

- **Intervention of KVK**

KVK Waghai, Dang give improve and high yielding varieties under FLDs and OFTs every year and also give so many on and off campus training and exhibition of new varieties in each and every krusi mela in dang district. In dang district mainly tow millets growing more one is finger millet and second one if little millet. KVK gives more than 25 FLDs and 3 OFTs, also KVK conduct more than 110 of training and awareness program during last 10 years. KVK organize 3 millet mela during 2023 in contest of celebration of International Millets Year.

- **Output**

Crop	Details of Technology	No. of Farmers /Demos	Area (ha)	Yield (q/ha)		% Increase in yield
				Demo	Check	
Finger millet	**CFMV 2 (Gira)**	50	10	14.57	9.95	46.43

Crop	Details of Technology	No. of Farmers /Demos	Area (ha)	Yield (q/ha)		% Increase in yield
				Demo	Check	
Little millet	**GV 3**	50	10	13.11	9.75	34.46

- **Outcome**

1. **Increased Yield:** With the adoption of better cultivation practices and high-yielding varieties, millet yields improved significantly in Dang district.
2. **Economic Impact:** Farmers witnessed an increase in income due to better yields and the sale of value-added millet products, contributing to the economic sustainability of rural households. Benefit cost ratio of finger millet is 4.86 and little millet 3.8 which higher than local varieties
3. **Improved Nutrition:** The promotion of millet-based products in local markets increased the availability of nutritious, gluten-free foods, contributing to better public health.
4. **Revival of Traditional Practices:** Millet cultivation helped in the revival of traditional agricultural systems and dietary habits, aligning with sustainable farming practices.

Horizontal Dissemination:

1. **Farmer-to-Farmer Knowledge Transfer:** Successful farmers trained by KVKs shared their knowledge with other farmers in their communities, creating a ripple effect and spreading best practices across regions.
2. **Collaboration with NGOs:** KVKs collaborated with non-governmental organizations and self-help groups to further promote millet cultivation in rural communities.
3. **Government Initiatives:** Government policies and programs, such as the National Food Security Mission (NFSM) and the introduction of millets as part of public distribution systems, supported the horizontal dissemination of millet cultivation practices.
4. **Private Sector Involvement:** Food processing companies and entrepreneurs were encouraged to invest in millet-based products, expanding the market and driving further interest in millet cultivation.
5. **Farmer-Focused Platforms:** Platforms like KVK-run demonstrations, agricultural fairs, and online resources spread millet cultivation techniques and products to a wider audience.

Success story -02

Watermelon Cultivation in the Dang District

Mr. H. A. Prajapati, Dr. P. P. Javiya, Dr. L. V. Ghetiya, Mr. B. M. Vahunia, Dr. S. A. Patel & Dr. J. B. Dobariya

- **Background / Problem Statement :**The cropping pattern of the district is mostly single rainfed crops. The major crops in*kharif* are Paddy, Finger millet, Little millet, Sorghum, Black gram, Pigeon pea*etc.* As far as horticulture crop is consider the major grown crops of the district are mango, cashew, okra, cucurbits and other vegetables.

- **Intervention of KVK:**KrishiVigyan Kendra (KVK) plays a crucial role in crop diversification with promoting and improving watermelon cultivation through various extension activities. The main efforts focused on enhancing productivity, sustainability, and profitability for farmers for sustainable income generative sources. KVK mainly focusing on training and capacity building of farmers. KVK conducted10on-farm and 07 off-farm training programsfor farmers with 756 beneficiarieson improved watermelon cultivation techniques in last 12 years.One RKVY project also implemented in 2012-13 for increasing productivity of watermelon in the Dang district with 98 beneficiaries. With the help of different extension activities, KVK educatethe farmers on non-chemical pest and disease management, drip irrigation with mulching and nutrient management of watermelon.

- **Input**
  - ✓ No. of farmers Trained: 700+ (including small and marginal farmers)
  - ✓ No. of demonstrations Conducted: 100+ on improved agronomic practices and watermelon varieties.
  - ✓ Drip Irrigation and Mulching Implemented: 100+ farmers adopted water and laboursaving techniques.
  - ✓ Mulching Cultivation Introduced: 100+ farmers using plastic mulching in watermelon.
  - ✓ 30 to 40 % water & 10 to 20 % fertilizer saving through drip and fertigation, with increased efficiency.
  - ✓ Increase in yield and net profit.
  - ✓ 40 to 50 % less incidence of weeds in the field with drip and 80 to 90 % with mulch area which is the major problem in the Dangs.
  - ✓ Saving in electricity as the time required for irrigation through drip was reducedin comparison to flood irrigation.
  - ✓ Saving of time &labour for irrigation and weeding operations.
  - ✓ Low incidence of pest and diseases.
  - ✓ Market Linkages Developed: Direct sales to wholesalers, supermarkets, and online platforms
- **Outcome**
  - ✓ Increase in income of farmers. (Rs.30,000 to Rs.8,00,000)

- ✓ Increase in yield due to hybrid varieties, drip irrigation and mulching.
- ✓ Increase in area of watermelon crop along with drip irrigation by more than 300 ha (750 acre) in the Dangs.
- ✓ Improvement in quality of the watermelon fruits.
- ✓ Strategy formation for marketing of the produce by farmers themselves as the demonstration was given in group or cluster.

✓ Farmers adopted scientific cultivation practices in terms of plant geometry, timely fertigation as per crop stage, aware about the use of organic as well as bio-fertilizers, use of optimum doses of biopesticides, installation of fruit fly pheromone traps and proper post-harvest practices.

- **Large Scale Impact/ Horizontal Dissemination (Area covered/ No. of farmers covered/ input saving/ employment generated/ entrepreneurship developed/impact on migration/etc.):**
  - ✓ Due to Implementation of Project on watermelon and various extension activities Farmers obtained higher yield under demonstration as compared to their traditional practices which ultimately increased their income.
  - ✓ It increased awareness about the advantages of Drip + Mulching technology in watermelon crop.
  - ✓ Nowadays in the Dang district, watermelon become a major crops in vegetable and cultivated in 317 ha with 4432 MT production.

Diagnostic visit

Watermelon field


મલીનનો મહેનતકશ યુવાન મજૂરમાંથી માલિક બન્યો
મધમીઠા તડબૂચની આધુનિક ખેતી અપનાવી ૮૦ દિવસમાં ૮ લાખનો નફો મેળવતો ડાંગનો ખેડૂત


ડાંગ જિલ્લાનાં મલીન ગામનો મહેનતકશ યુવાન મજૂરમાંથી માલિક બન્યો

Press release

Success story -03

Mushroom cultivation

Mr. B. M. Vahunia, Dr. S. A. Patel, Dr. J. B. Dobariya, Mr. H. A. Prajapati, Dr. P. P. Javiya, & Dr. L. V. Ghetiya

- **Background/ Problem Statement :**

Mushroom cultivation has long been underutilized by farmers, despite its potential as a high-value, low-investment crop. Many farmers in our region faced challenges like nutrition deficiency, climate irregularities and limited crop diversification, which hindered their income stability. Additionally, migration to urban areas in search of work was a common phenomenon, leaving rural regions with a labor shortage. Despite possessing suitable resources for mushroom farming, knowledge gaps and lack of technical expertise prevented local farmers from tapping into this lucrative venture.

- **Intervention of KVK**

  To address these issues, KVK stepped in with a series of interventions aimed at enhancing mushroom cultivation. The intervention involved:

  Training Sessions: 12 vocational training on mushroom cultivation techniques, including substrate preparation, inoculation, and harvesting given to **349 farmers**.

  Demonstration on KVK Farm: KVK established model of Low Cost Mushroom Unit to demonstrate best practices, showcasing high yields and profit potential.

  Technical Support: KVK provided ongoing technical guidance, helping farmers overcome initial hurdles in mushroom farming.

  Input Support: Low-cost materials, such as quality spawn and substrate, were distributed **5kg spawn kit** to the **225 farmers** to kick-start their farming ventures.

- **Output**

  Adoption of Technology: Over **500 farmers** adopted mushroom cultivation as an alternative or supplementary source of income.

  Diversification of Income Sources: Farmers experienced a significant boost in household income, reducing dependency on seasonal crops.

  Adopted by landless labours: Nearly 50 Landless families adopted low cost Mushroom cultivation as a new source of income.

  Awareness of Best Practices: Farmers were empowered with the knowledge of scientific mushroom farming practices, leading to improved productivity.

- **Outcome**

  Improved Income Stability: Farmers who initially faced financial instability due to low crop yields found mushroom cultivation to be a reliable source of income. The steady market demand for fresh mushrooms contributed to a consistent cash flow. They earn **6500 to 7000** Rupees after investing **1500-1700 rupees .**

  Reduction in Migration: With the success of mushroom farming, many farmers found employment opportunities within their own villages, leading to a reduction in migration to urban centers.

  Community Empowerment: The success of mushroom farming fostered a sense of community among farmers, as they began sharing knowledge and best practices, creating a collaborative environment.

  Nutritional Benefits: The introduction of mushrooms also improved dietary diversity in the region, contributing to better nutrition for families.

- **Large scale Impact/ Horizontal Dissemination (Area covered/ No. of farmer's covered/employement generated/entrepreneurship development/impact on migration/ etc.)**

  Area Covered: The intervention has spread across districts, covering over **500 land holders with about 50 landless labour s**due to successful demonstration and word-of-mouth.

  Employment Generated: Mushroom cultivation has created employment for over **600 individuals** in the region, through in mushroom harvesting, packaging, and marketing. It is in increasing mode.

  You Tube : We upload one video on mushroom cultivation which have more than 14000 views

  Selling: By our KVK intervention More than **9000 kg spawn** has been sold from College of Agriculture, NAU, Waghai and Gram Sewa Trust, Navsari/Anjana ben Ganvit, Vyara Dist. Tapi sold **1400 kg spawn** and Bhoomi Mushroom, Vapi sold spawn nearly **600 kg in the Dang district.**

Success story -04

Dr. J. B. Dobariya, Mr. H. A. Prajapati, Dr. P. P. Javiya, Dr. L. V. Ghetiya, Mr. B. M. Vahunia & Dr. S. A. Patel

Name of Farmer: Sunitaben Vipulbhai Chaudhari
Village: Bharvad Faliya, At- Waghai
Taluka : Waghai
District: Dang
Education: 12th pass
Mobile No: 9879136436, 9925604888, 9898429745

Introduction

Sunitaben Vipulbhai Chaudhary is a house wife. She has 3 family member's viz., Her husband, mother in law and brother in law. She has formed one Self Help Group. The name of SHG is Shiv Parvati. In these group, 10 members is registered by Mission Mangalam, Waghai and DRDA, Ahwa. Before the intervention with KVK, Waghai, she has confused about the concept and activity of SHGs. There have not known about agency that helps her to financial and technical support.

Training and guidance of KVK

KVK is the Farm Science Centre with multidisciplinary aims to transfer the latest technology to farmers in the district. Recently, empowerment of women has been central issue in determining the status of women. Recognizing importance of women as a new approach to the whole concept of women empowerment and all over the country concept of SHGs sprang up. The basic objective of SHG is to develop the saving capacity among the poorest sections of the society which in turn reduces dependence on financial institutions and develop self reliance, self confidence, social and economic empowerment among women member. Member of the SHG are frequently contact to bank for their saving and credit purpose. It is necessary that member of SHGs having knowledge of value addition of various products that is provided by Krishi Vigyan Kendra, Waghai. KVK, NAU, Waghai arranged 5 days vocational training for preparation of hair oil, finger millet papad, finger millet biscuit, Khakhara, chakkarry, shiro, Ladoo, to the members of SHG. KVK, Waghai also arranged 5 days training in marketing strategies for member of self help groups.

Practices adopted

Materials use for preparation of 15 liter hair oil: Sesame oil (15 liter), Coprel (5 liter), Castor oil (1 liter), Bottle goard (20 kg), *Amla* (500 gm), *Eclipta* (500 gm), *Bacopa monnieri* (500 kg), *Ghodavaj* (250 gm), sweet powder (250 gm), *nagmath* (250 gm), aloe vera (10 big leaves), neem leaves (4-5 kg), curry leaves (4-5 kg), henna leaves (2-2.5 kg), jasud-rose flowers (1 kg), *jatamasi* (250 gm), *jethimadh* (250 gm), agar (250 gm), *ananthamul* (250 gm).

Practices adopted: She has made ayurvedic hair oil using various natural resources

1. **Mixing:** First, we mixed up all the herbs in a large bowl with 15 liter of sesame oil, 5 liter of coconut oil, and 1 liter of castor oil.
2. **Heating:** The mixture is heated on moderate heat until all moisture evaporates.
3. **Filtering:** The contents are filtered through a fine mesh clean cloth.
4. **Packaging:** At last, oil has been packaged with labels in a different bottle sizes.

Comparison between Value added Hair oil and Conventional Hair Oil

Hair Oil

Parameters	Dangi Ayurvedic Oil Preparation (Data in the year)	Conventional Hair Oil preparation (Data in the year)
Name of Oil	Dagi Ayurvedik Oil	Chemical Hair Oil
Cost of production (Rs)	1,20,000/-	1,60,000/-
Production (Kg)	360	420
Price per liter oil (₹/liter)	1300	800
Gross return (₹/Year)	4,68,000/-	3,36,000/-
Net return (₹/Year)	3,48,000/-	1,76,000/-
B:C Ratio	3.9	2.1

Finger millet Papad and Simple Papad

Parameters	Finger millet Papad (Data in the year)	Simple Papad (Data in the year)
Name of Papad	Finger millet Papad	Simple Papad
Cost of cultivation (Rs)	72,000/-	95,000/-
Production (Kg)	520	615
Price per Kg papad (₹/Kg)	300/Kg	170/Kg
Gross return (₹/Year)	1,56,000/-	1,04,550/-/-
Net return (₹/Year)	84,000/-	1,76,000/-
B:C Ratio	2.16	1.10

Benefits and achievements

- Her product is marketed in several places in Gujarat, including Surat, Ahmedabad, Bharuch, Baroda, Vidyanagar, Ahwa, Navsari, Gandhinagar, and so on.
- She has a good reputation in the field.
- More than fifteen women are employed by her, while she creates value-added products.
- She sells her goods under her own Brand Name.
- She utilizes natural resources appropriately.
- She use location specific technology

Impact of the Technology to the end user

- Stops hair graying
- Prevents Whitening of hairs and increase blackening of hair.
- Promotes hair growth.
- Keeps head and eyes cool
- Use this oil to get rid of hair problems including dandruff and alopecia.
- Ayurvedic Pure Hair Oil enhances our well-being.


ડાંગ સખી મંડળની મહિલાઓને વિવિધ તાલીમ અપાઈ
03-Aug-2024


ડાંગી
આયુર્વેદિક
હેર
ઓઇલ


હેર ઓઇલ બનાવવાની ત્રણ દિવસની તાલીમ અપાઈ
GUJARAT


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GUJARAT
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Success story -05

Economic Empowerment through Innovative Dairy Business Background /Problem Statement

Dr. S. A. Patel, Dr. J. B. Dobariya, Mr. H. A. Prajapati, Dr. P. P. Javiya, Dr. L. V. Ghetiya & Mr. B. M. Vahunia

Vaishaliben Rameshbhai Bhoye is a woman farmer of Village Uga-Chichpada, Taluka- Waghai, District Dangs in Gujarat, educated up to B.Ed. 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.

Vaishaliben Rameshbhai Bhoye
Village: Uga-Chichpada, Taluka-Waghai, District Dangs - (Gujarat)
Age: 38 years , Education: B.ed pass , Size of Land holding: 3.0 Acre

Intervention of kvk

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, Uga-Chichpada 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, visit to a dairy co-operative has been started by KVK scientists. Vaishaliben 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.

Output

At present, Vaishaliben Rameshbhai Bhoye 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 3 milking HF crossbred cows, 2 heifers and 1 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. As result, a strong competition between various farm women to get more and more milk production developed.

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.

Impact of KVK

Sr. No.	Particulars/ Items	Before KVK intervention	After KVK intervention
1	Animals own	1-Desi cows 2- Desi Bullocks	**2021-22** 2- HF cows 1-Heifers 1 - Calves 2- Bullocks **2022-23** 2- HF cows 1-Heifers 1 - Calves **2023-24** 3- HF cows 2-Heifers 1 - Calves
2	Vaccination & De-worming	Not proper	Regular
3	Milk production (day)	Initial 1.5 lit/day	Average-16 lit/cow/day highest income up to Rs. 24,177/- 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) Income through selling of self reared HF animals	 Not good Nil	 Rs.10,000-17,000 per month 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

Milk production Data

Sr. No.	Year	Annual Milk production	Annual Profit (Rs)
1	**2021-22**	**938 liter**	**26279**
2	**2022-23**	**488 liter**	**14865**
3	**2023-24**	**4853 liter**	**168717**

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 Vaishaliben Rameshbhai Bhoye & 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.

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)	Use of Wood/ Animal Dung Ash for Pest Management
2	Description of ITK/TP	-Application of ash obtained from burning firewood or crop residues or animal dung is a long-standing indigenous practice used by tribal farmers in the Dang district. -Repel or control insect pests (especially soft-bodied pests like aphids, whitefly and mealy bug in Indian bean, Cowpea, Mung bean, Urd beans, Tomato etc.)
3	Name of farmer/village from where the information collected	Maganbhai Kalubhai Gayakwad, Chinchod, Ta- Wagha, Dist- Dang , Gujarat Pin- 394730Mobile- 81548 02690
4	Method of preparation/use of ITK/TP, if any	- Collect ash from cooking stoves or burnt crop residues. - Sift the ash to remove large charcoal pieces or debris.

		- For pest control: Light dusting of ash directly over pest infested plants early in the morning when dew helps ash stick to foliage.
5	Dose/rate/amount/time of use of ITK/TP	- Pest management: Light dusting on plants once a week or as per need at early in the morning -Dose : 20-30 kg/ha
6	Benefits/effect of ITK/TP on yield/production /control of disease-pest/saving of inputs etc.	-Pest Management : Soft-bodied insects like aphids, whitefly and mealy bug without using chemical pesticides. -Cost Saving: Saves input cost on pesticides. -Yield Improvement: 20 to 75 per cent increase in production in case of timely use of ash for the pest management -Harvest residue free vegetables and grains of field crops.
7	Whether farmers adopting at present? Yes /No If yes, from how many years?	YES, Since 20 years (especially in small and marginal farming communities)
8	Any other supportive information	-Ash is considered eco-friendly and easily available in tribal area of dang district. -Awareness is spreading through Krishi Vigyan Kendras (KVKs), NAU, Waghai -Recognized as a part of integrated pest management (IPM) in organic farming practices. -Obtained higher pricew of organic produces.

ITK Technology 02

S.N.	Particular	Details
1	Name of integration of indigenous technical knowledge (ITK) and traditional Practices (TP)	Use of Wood Ash in Onion
2	Description of ITK/TP	Wood ash is a valuable, natural soil amendment that can significantly benefit onion growth when used correctly. Its rich potassium content supports strong bulb development, while its alkaline nature helps balance overly acidic soils—creating an ideal environment for onions to thrive. Additionally, wood ash adds essential micronutrients, improves soil structure, and can deter common pests. Wood ash can enhance both the yield and quality of your onion crop in an eco-friendly, cost-effective way.
3	Name of farmer/village from where the information collected	Farmers Name: Rameshbhai Bhoye Village : Gundiya, Taluka: Subir, District: Dang
4	Method of preparation/use of ITK/TP, if any	Generally people mainly use “chulha” for the preparation of food and wood Ash is a by product of “chulha”
5	Dose/rate/amount/time of use of ITK/TP	60 kg per Acre and 30 Days after transplanting
6	Benefits/effect of ITK/TP on yield/production /control of disease-pest/saving of inputs etc.	Wood ash can be beneficial for onions by providing potassium, a vital nutrient, and potentially deterring some soil-borne pests. It can also raise the soil pH, which can be helpful for certain allium plants like onions.
7	Whether farmers adopting at present? Yes /No If yes, from how many years?	Yes More than 100 years
8	Any other supportive information	----

ITK Technology 03

S.N.	Particular	Details
1	Name of integration of indigenous technical knowledge (ITK) and	Preparation of Ayurvedic hair oil by using various natural resourses

	traditional Practices (TP)	
2	Description of ITK/TP	Preparation of Ayurvedic hair oil by using various natural resourses
3	Name of farmer/village from where the information collected	Shrimati Sunitaben Vipulbhai Chaudhari, Bharvad Faliya, At Waghai Dist: Dang, Mo. 9879136436, 9925604888
4	Method of preparation/use of ITK/TP, if any	**Mixing:** First, we combine all the herbs in a large bowl with 15 liter of sesame oil, 5 liter of coconut oil, and 1 liter of castor oil. **Heating:** The mixture is heated on moderate heat until all moisture evaporates. **Filtering:** The contents are filtered through a fine mesh cloth. **Packaging:** In the last, oil has been packaged with labels in a variety of bottle sizes.
5	Dose/rate/amount/time of use of ITK/TP	**Materials use for preparation of 15 litter hair oil:** Sesame oil: 10 lit , Coprel: 5 lit, Castor: 1 liter Bottle guard (*Lagenaria siceraria*): 10 kg *Amla (Phyllanthus emblica):* 700 gm *Eclipta alba (Bhringraj):* 500 gm *Brahmi (Bacopa monnieri):* 500 gm *Godavaj*/*Bhutanashini* (*Acorus calamus*):250 gm *Sukhad powder*/Sandlwood *(Santalum album)*:250 gm *Nagarmot*/Nutsedge *(Cyprus rotundus):* 250 gm *Kuvarpatha* (*Aloevera*): 10-15 leaves Dry Neem leaves *(Azadirecta indica)*: 250 gm *Mitho limdo*/Curry leaves *(Murraya koenigii)*: 250 gm Henna/*Mehandi* leaves *(Lawsonia inermis)*: 250 gm Jasud flowers (*Hibiscus rosasinensis*):1 kg *Jatamas (Nardostachys jatamansi):* 250 gm *Jethimadh (Glycyrrhiza glabra):* 250 gm Agar (*Aquilaria malaccensia*): 250 gm *Ananthamul (Hemidesmus indicus):* 250 gm Rose/*Gulab (Rosa rubiginosa)*: 500-800 gm
6	Benefits/effect of ITK/TP on yield/production /control of disease-pest/saving of inputs etc.	Stops hair graying, Prevents blackening, Promotes hair growth.
7	Whether farmers adopting at present? Yes /No If yes, from how many years?	Yes, Last three years
8	Any other supportive information	Price of product Rs. 120-150/100 ml

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

A. Practicing Farmers

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

B. Rural Youth

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

C. In-service personnel

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

5.2. Indicate the methodology for identifying OFTs/FLDs

For OFT:

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

For FLD:

i) New variety/technology (√)

ii) Poor yield at farmers level (√)
iii) Existing cropping system (√)
iv) Others if any

5.3. Field activities

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

6. LINKAGES

A. Functional linkage with different organizations

Name of organization	Nature of linkage
Navsari Agricultural University	Provides technical experts for various disciplines as well as practical training to the trainees during educational tour. Teaching at Agricultural college & 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**				
		-	-	-	-
02	**Research projects**				
03	**Training programmes**				
		Prakrutik kheti	03	01	-
		Prakrutik kheti	02	01	-
		Prakrutik kheti	04	01	-
		Prakrutik kheti	02	01	-
		Prakrutik kheti	02	01	-
		Prakrutik kheti	02	01	-
		Prakrutik kheti	02	01	-
		Prakrutik kheti	03	01	-
		Prakrutik kheti	04	01	-
		Prakrutik kheti	04	01	-
		Prakrutik kheti	03	01	-
		Prakrutik kheti	02	01	-
04	**Demonstrations**				
		Demonstration kharif crops (Agri)	02	01	-
		Capacity building	05	01	-
05	**Extension Programmes**				
	KisanMela	Ravi Krishi Melo	04	01	
	Technology Week				
	Exposure visit				
	Exhibition	Ravi Krishi Melo	04	01	-
	Soil health camps				
	Animal Health Campaigns				
	Others (Pl. specify)				
06	**Publications**				
	Video Films				

	Books				
	Extension Literature				
	Pamphlets				
	Others (Pl. specify)				
07	**Other Activities** (Pl.specify)				
	Watershed approach				
	Integrated Farm Development				
	Agri-preneurs development				

D. Give details of programmes implemented under National Horticultural Mission

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

E. Nature of linkage with National Fisheries Development Board

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

F. Details of linkage with RKVY

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

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

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

H. Details of linkage with NFSM

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

I. Details of linkage with SMAF (Sub-mission on Agroforestry)

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

7. Convergence with other agencies and departments:

KVK Name	Name of scheme	Name of Agency (Central/state)	Funds received (Rs.)	Activities organized	Operational Area	Remarks
KVK-Waghai	ATMA	State		25	Dangs	-
	DRDA	State	-	1	Dangs	-
	Others (Plz. Specify)	Sevadham	-	2	-	-
	DAO	State	-	6	Dangs	-
	ADHO	State	-	8	Dangs	-
	ZEDA	State	-	0	Dangs	-
	NIYAM	Central	70000	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	GR 18 (Devali kolam) varity of paddy greting more popular in Dang.
2.		GNR 9 Paddy varity geting high price in market.
3.	Horticulture	Use of Novel in okra, improve the production and quality of fruit.
4.	Plant Protection	Required good quality & affordable price of pheromone trap from NAU.
5.	Animal Science	Sorghum variety can be grow throughout the year as multi cut variety under irrigated conditions which is very useful for manage of green fodder requirement of livestock throughout year.
6.		Use of chaff cutter for cutting fodder It resulted into prevents wastage of fodder.
7.	Extension Education	Planting Napier grass in secondary and marginal land protected erosion of soil by heavy rainfall
8.		Vermicompost prevent soil degradation and enhance soil fertility status.

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 2024: Yes/No, If Yes

Period of observing Technology Week: From to 23-09-2024 to 28-09-2024
Online / Offline: Offline
Total number of farmers visited : 516
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	2	187	-
Lectures organized	10	516	-
Exhibition	5	516	-
Film show	5	484	-
Fair	5	256	-
Diagnostic Practicals	4	195	-
Supply of Literature (No.)	7	103	-
Total number of farmers visited the technology week	6	516	-
Number of organizations participated	3	200	-
Total number of farmers visited the technology week	**516**	**516**	-

Detail of Technology Week celebration during 2024: 23-09-2024 to 28-09-2024

Sr. No.	Day/ Date	Thematic area	Topic / Technology covered	No. of participants		
				M	F	T
1	First 23/09/2024 Monday	Innovative Agricultural Practices for Sustainable Farming and Livelihood Enhancement	➢ Scientific Cultivation of Turmeric and Ginger ➢ Latest techniques of agriculture ➢ Latest technology and value addition in horticultural crops ➢ Latest technology to increase agricultural productivity ➢ Clean milk production ➢ Visit to various demonstration units and exhibitions	108	46	154
2.	Second 24/09/2024 Tuesday	Crop Diversification and Best Practices	➢ Natural Cultivation of Pegion pea ➢ Scientific Cultivation Method of Indian been ➢ Importance of Azolla in animal husbandry ➢ Techniques for increasing farm income through available resources ➢ Crop protection concerns during	31	2	33

			crop diversification			
3.	Third 25/09/2024 Wednesday	Agri-Business and Value Addition	➢ Mushroom cultivation ➢ Millet crop for human health ➢ Importance of Beejamrut in Organic Farming ➢ Natural farming ➢ Preparation of Agniastra ➢ Bee-keeping	83	19	102
4.	Forth Day 26/09/2024	Livestock Management and Allied Agriculture	➢ 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	79	13	92
5.	Fifth Day 27/09/2024	Financial and Government Support for Farmers	➢ Basic Principles in NaturalFarming ➢ Use of Santhastra and Khati chhash in natural agriculture ➢ Kalpa tree for natural agriculture – Neem and its use as insecticide ➢ Organic Farming: Market Management and Issues	73	30	103
6.	Sixth Day 28/09/2024	Natural & Organic Farming	➢ Basic Principles in NaturalFarming ➢ Use of Santhastra and Khati chhash in natural agriculture ➢ Kalpa tree for natural agriculture – Neem and its use as insecticide ➢ Organic Farming: Market Management and Issues	20	12	32
Total				**394**	**122**	**516**

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	09	18
Total	**01**	**09**	**18**

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	Paddy	135	Sonuniya	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, Kisan Gosthi, Animal Camps, Field Day,
2.	Paddy, Finger millet,		Finger millet	78	Bhurapani	
3.	Little millet		Little millet	69	Bhapkhal	
4.	**Pulses:**		Sorghum	15	Chikhali	
5.	Gram,		Maize	10		
6.			Black Gram	15	Pipalaidevi	

7.	Black gram, Pigeon pea	awareness related with organic crop package & practices - Lack of awareness about plant protection measures -Scarcity of fodder - Repeat Breeding & Anoestrus	Pigeon Pea	20	Chichpada Baj Barkhandhya Dagadpada Shivarimal	Farmer fair, Farmer scientist interaction, Farmers meeting, TV-Film show, Exhibition, Farm School, Soil Health Campaign, Celebration of important Days, Swachata Jagruti, Soil sample analyzed, Plant health clinic diagnostic services, SMS portal, Telephone helpline
8.	**Oilseeds:**		Soybean	15		
9.	Groundnut,		Ground nut	5		
10	Niger **Vegetables:**		***Kharif Total***	362		
11.	Okra, Brinjal		Gram	38		
12.	**Fruit crops:** Mango, Cashew nut,		Wheat	10		
13.	Custard apple		Okra	12		
14.	**Floriculture:**		Brinjal	10		
15.	Rose		Mango	20		

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 2024	7	29444	7	12649	0
Feb 2024	3	12920	0	0	0
March 2024	0	0	0	0	0
April 2024	0	0	0	0	0
May 2024	4	21652	1	687	0
Jun 2024	0	0	3	2071	0
Jul 2024	6	18699	3	2070	0
Aug 2024	1	5470	5	1582	0
Sept 2024	1	5470	18	4719	0
Oct 2024	0	0	10	3913	0
Nov.2024	0	0	4	3088	0
Dec.2024	0	0	7	5348	0

Name of KVK	Message Type	Type of Messages						
		Crop	**Livestock**	**Weather**	**Marke-ting**	**Aware-ness**	**Other enterprise**	**Total**
	Text only	49	6	0	6	21	0	**82**
	Voice only	42	0	0	0	1	0	**43**
	Voice & Text both	0	0	0	0	0	0	**0**
	Total Messages	**91**	**6**	**0**	**6**	**22**	**0**	**125**
	Total farmers Benefitted	**230817**	**26384**	**0**	**23041**	**32068**	**0**	**312310**

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		
				Variety	Type of Produce	Kg
Paddy	08/06/24	05/10/24	0.40	GNR 7	Truthful seed	1540
Paddy	12/06/24	25/09/24	0.50	GR 18	Truthful seed	1890
Paddy	15/06/24	27/09/24	0.40	GNR 8	Truthful seed	980
Paddy	15/06/24	20/09/24	0.40	GR 17	Truthful seed	1266
Gram	11/11/23	25/02/24	0.70	GJG 6	Certified seed	500
Black Gram	20/02/24	25/05/24	0.20	GJ 3	Truthful seed	115
Green gram	10/07/23	12/01//24	0.60	GM 6	Foundation seed	675
Pigeonpea	03/07/23	02/01//24	0.40	GT 105	Truthful seed	228
Mango	-	-	-	Kesar	-	Auction Rs. 125000/-
				Totapuri	-	
				Desi	-	
Seedlings (Brinjal)	04/04/24	15/05/24	-	-	Seedling	7000 Nos.
Mango grafting	09/05/24	-	-	Sonpari, Kesar	-	4290 Nos.
Vermi compost	10/02/24	-	-	-	-	2500

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 under maintenance & repair

F. Database management

S. No	Database target	Database created
-	-	-

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

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

H. Performance of Nutritional Garden at KVK farm

If Nutritional Garden developed at KVK farm/Village Level? Yes/No =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	Name of	Duration	No. of participants

	KVKs/SAUs/ICAR Institutes	QP/Job role	(hrs)	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 2024-25 (Rs. in lakh) (Till Dec, 2024)

Sr. No.	Particulars	Sanctioned (Rs.)	Expenditure (Rs.)
1.1	**Recurring Contingencies**		
I	**Pay & Allowances**	**1,10,00,000/-**	**98,65,471/-**
II	**Traveling allowances**		
III	**Contingencies**	**19,00,000/-**	**12,51,570/-**
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance		
B	POL, repair of vehicles, tractor and equipments		
C	Meals/refreshment for trainees		
D	Training material		
E	Frontline demonstration except oilseeds and pulses		
F	On farm testing		
G	Training of extension functionaries		
H	Maintenance of buildings		
I	Establishment of Soil, Plant & Water Testing Laboratory		
J	Library		
	Total Recurring	**1,29,00,000/-**	**1,11,17,041/-**
1.2	**Non-Recurring Contingencies**		

I	**Works**	-	-
II	**Equipments including SWTL & Furniture**	-	-
III	**Vehicle** (Four wheeler/Two wheeler, please specify),	-	-
IV	**Library**	-	-
	Total Non Recurring	-	-
1.3	**TSP(Farm Development)**	-	-
1.4	**GRAND TOTAL (1.1+1.2+1.3)**	**1,29,00,000/-**	**1,11,17,041/-**

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

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of next 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
2024-25	49,69,345.00	6,42,615.00	10,67,916.00	-

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
Dr. P. P. Javiya	Scientist	Trimasik Samiksha bethak	Mokhamal	Offline	15-01-2024
Dr. P. P. Javiya	Scientist	Bi-monthly workshop	ATIC, NAU, Navsari	Offline	30-01-2024
Dr. P. P. Javiya	Scientist	Meeting regarding Krishimela 2024	ATIC, NAU, Navsari	Offline	30-01-2024
Mr. H. A. Prajapati	Scientist	KVK review meeting	KVK,waghai	Offline	09-01-2024
Mr. H. A. Prajapati	Scientist	workshop and Inugral function of KVK, Surat	KVK, Surat	Offline	23-01-2024
All staff	Senior Scientist & Head, Scientist	Convocation	Navsari	Offline	03-01-2024
Dr. J. B. Dobariya	Scientist	All KVK of south gujarat quarterly meeting	At Mokhamal, Subir	Offline	15-01-2024
All staff	Senior Scientist & Head, Scientist	Promotion of Millets, its Processing and Value addition	KVK, Waghai	Offline	01-03/02/2024
Mr. H. A. Prajapati	Scientist	Macro propagation in banana	KVK, Waghai	Offline	28-02-2024
Dr. J. B. Dobariya	Scientist	Natural farming meeting	Collector office, Ahwa, Dang	Offline	15-02-2024
All staff	Senior Scientist & Head, Scientist	SAC meeting	KVK, Waghai	Offline	01-03-2024
Dr. P. P. Javiya	Scientist	20th NRM AGRESCO meeting	NAU, Navsari	Offline	4 & 5/03/2024
Dr. P. P. Javiya	Scientist	KVK, Review meeting	KVK, Waghai	Offline	13/03/2024
Dr. P. P. Javiya	Scientist	DAMU project meeting	Online	Online	27/03/2024
Dr. P. P. Javiya	Scientist	Meeting of CWWG with JDA suart	Online	Online	28/03/2024
Mr. H. A. Prajapati	Scientist	Horticulture AGRESCO	ACH,NAU,Navsari	Offline	13 to 14/03/2024
Mr. H. A. Prajapati	Scientist	Crop weater watch group committee meeting	Online	Online	28/03/2024
Mr. B. M. Vahunia	Scientist	From genes to protein: Addressing molecular complexity of Agriculturally important traits in crops	RLBCAU, Jhansi (UP)	Offline	19 February 2024 to 10 March 2024
All staff	Senior Scientist & Head, Scientist	KVK Review Meeting	KVK, Waghai	Offline	13-03-2024
Dr. J. B. Dobariya	Scientist	PG-RAG meeting	Dept. of Ext.Edu., NMCA, Navsari	Offline	12-03-2024

All staff	Senior Scientist & Head, Scientist	KVK review meeting	KVK, NAU, Waghai	Offline	13-03-2024
Dr. J. B. Dobariya	Scientist	Technological Backstoping workshop for technical staff of KVKs organized by Director of extension eeducation, NAU, Navsari	SSK training hall, NAU, Navsari	Offline	14-03-2024
Dr. J. B. Dobariya	Scientist	Annual Action Plan and Natural Farming Workshop	ATARI Pune	Offline	19-03-2024
Dr. J. B. Dobariya	Scientist	Annual Action Plan and Natural Farming Workshop	DEE, NAU, Navsari	Offline	19-03-2024
All staff	Senior Scientist & Head, Scientist	KVK review meeting	KVK, Waghai	Offline	2/4/20224
Dr. J. B. Dobariya	Scientist	Online review meeting with ATARI Pune	Online	Online	19-04-2024
Dr. J. B. Dobariya	Scientist	Online review meeting with ATARI Pune	Online	Online	22-04-2024
Dr. J. B. Dobariya	Scientist	Online review meeting with ATARI Pune	Online	Online	30-04-2024
Dr. P. P. Javiya	Scientist	Celebration of NAU, Foundation day	NAU, Navsari	Offline	05-01-2024
Dr. P. P. Javiya	Scientist	Use of Krishi maper app for CFLD's	Online	Online	15/05/2024
Dr. P. P. Javiya	Scientist	KVK review meeting	KVK, Waghai	Offline	23/5/2024
Mr. H. A. Prajapati	Scientist	Election duty	AHWA	Offline	06/05/2024 to 07/05/2024
Mr. H. A. Prajapati	Scientist	University level pre Annual action plan meeting at SSK, NAU,Navsari	Navsari	Offline	05-09-2024
Mr. H. A. Prajapati	Scientist	A Day long consultation on the science of Natural farming	YASHADHA, Pune	Offline	16/05/2024
Mr. H. A. Prajapati	Scientist	Celebration of NAU Foundation Day	Navsari	Offline	05-01-2024
All staff	Senior Scientist & Head, Scientist	KVK Review meeting	KVK waghai	Offline	23-05-2024
Dr. S. A. Patel	Scientist	Celebration of NAU, Foundation day	NAU, Navsari	Offline	05-01-2024
Dr. S. A. Patel	Scientist	KVK review meeting	KVK, Waghai	Offline	23/5/2024
Dr. J. B. Dobariya	Scientist	Celebration of NAU, Foundation day	NAU, Navsari	Offline	05-01-2024
Dr. J. B. Dobariya	Scientist	University level pre Annual action plan meeting at SSK, NAU,Navsari	NAU, Navsari	Offline	09-05-2024
Dr. J. B. Dobariya	Scientist	Mango Auction	NAU, Navsari	Offline	10-05-2024
Dr. J. B. Dobariya	Scientist	Audit	KVK, Waghai	Offline	15-05-2024
Dr. J. B. Dobariya	Scientist	Annual action plan	AAU, Anand	Offline	16-05-2024
Dr. J. B. Dobariya	Scientist	Annual action plan	AAU, Annad	Offline	17-05-2024
Dr. J. B. Dobariya	Scientist	Cultural programme	Waghai	Offline	22-05-2024
Mr. H. A. Prajapati	Scientist	Atmanirbhar Bhart	SDAU, Dantiwada	Offline	8-9/06/2024
Mr. B. M. Vahunia	Scientist	Mari masala ane vanikaran paakoma paak sarxan	SDAU, Dantiwada	Offline	24 to 26-06-2024
Dr. J. B. Dobariya	Scientist	આત્મા ગવર્નિંગ બોર્ડની મીટીંગ	District Panchayat Office, Ahwa, Dangs	Offline	18-06-2024

All staff	Senior Scientist & Head, Scientist	KVK review meeting	KVK, Waghai	Offline	11-07-2024
All staff	Senior Scientist & Head, Scientist	KVK review meeting	KVK, Waghai	Offline	20-07-2024
Mr. H. A. Prajapati	Scientist	Kel pak parisanvad ane jaiv vividhta pradarshan	ACH, Navsari	Offline	12-07-2024
Mr. B. M. Vahunia	Scientist	Brain Storming " transformation of agricultural research in plant protection"	Central Examination hall, Navsari	Offline	02-07-2024
Dr. L. V. Ghetiya	Senior Scientist & Head	Brainstorming on "Transformation of Agricultural Research in Plant Protection"	Examination Hall, NAU, Navsari	Offline	02-07-2024
Dr. L. V. Ghetiya	Senior Scientist & Head	Bimonthly Workshop	ATIC, NAU, Navsari	Offline	03-04/07/2024
Dr. L. V. Ghetiya	Senior Scientist & Head	Review meeting with DEE, NAU, Navsari	ATIC, NAU, Navsari	Offline	05-07-2024
Dr. L. V. Ghetiya	Senior Scientist & Head	Technical Staff Meeting, KVK-Waghai (Dang)	KVK - Office	Offline	11-07-2024
Mr. H. A. Prajapati & Dr. J. B. Dobariya	Scientist	Training of Natural Farming	Rajbhavan, gandhinagar	Offline	07-08-2024
All staff	Senior Scientist & Head, Scientist	Use Integrated farming system for management of natural residues in tribal area	KVK waghai	Offline	29 to31/08/2024
All staff	Senior Scientist & Head, Scientist	KVK review meeting	KVK waghai	Offline	13-08-2024
Mr. B. M. Vahunia	Scientist	Natural farming	Rajbhawan, Gandhinagar	Offline	07-08-2024
All staff	Senior Scientist & Head, Scientist	KVK review meeting	KVK waghai	Offline	09-09-2024
All staff	Senior Scientist & Head, Scientist	KVK review meeting	KVK waghai	Offline	11-09-2024
Mr. H. A. Prajapati	Scientist	Innovative agricultural practices for sustainable farming and livelihood enhancement (organize and participation)	KVK,waghai	Offline	23/09/2024
Mr. H. A. Prajapati	Scientist	Participation in Flag hosting for Krishak Swrna Smrudhdhi Rath	KVK,waghai	Offline	23/09/2024
Dr. P. P. Javiya	Scientist	PGRFG crop production	NAU, Navsari	Offline	22/10/2024
Mr. H. A. Prajapati	Scientist	DMC meeting (HRT-3 yojna)	Online	Offline	15/10/2024
Dr. L. V. Ghetiya & Me. B. M. Vahunia	Senior Scientist & Head, Scientist	ZREAC Meeting	SSK, Navsari	Offline	14-10-2024
Mr. H. A. Prajapati	Scientist	Shaping the future of Horticulture in south Gujarat	Navsari	Offline	18-10-2024
All staff	Senior Scientist & Head, Scientist	KVK review meeting	KVK, Waghai	Offline	13/11/2024

All staff	Senior Scientist & Head, Scientist	KVK review meeting	KVK, Waghai	Offline	19/11/2024
All staff	Senior Scientist & Head, Scientist	KVK Review Meeting	KVK, Waghai	Offline	25-11-2024
Dr. P. P. Javiya	Scientist	Meetin of Ravi krushi mahotsav	Collector office, Ahwa	Offline	30/11/2024
Mr. H. A. Prajapati	Scientist	Planning for Krushi Mela-2024	KVK,waghai	Offline	28/11/2024
All staff	Senior Scientist & Head, Scientist	Natural farming Meeting	Collector Office, Ahwa, Dangs	Offline	27-11-2024
Dr. L. V. Ghetiya	Senior Scientist & Head	KVK Review Meeting	KVK, Waghai	Offline	13-11-2024
Dr. L. V. Ghetiya	Senior Scientist & Head	Meeting for farmers' participation and stall booking in Agril. Fair to be held on 21-23/12/2024, at NAU, Navsari	KVK, Waghai	Offline	28-11-2024
Dr. P. P. Javiya	Scientist	Meeting of CWWG of Dang	Online	Offline	26/12/2024
Mr. H. A. Prajapati	Scientist	orientation training programme for krishi mahotsav-2024	virtual class room, NAU,navsari	Offline	04-12-2024
Mr. H. A. Prajapati	Scientist	Agriculture marketing strategies for agricultural products of the dang district by KVK and NIAM	KVK, Waghai	Offline	10/12/24 to 11/12/24
Dr. J. B. Dobariya	Scientist	Krushi mela meeting	VC Seminar hall, Navsari	Offline	10-12-2024
All staff	Senior Scientist & Head, Scientist	KVK review meeting	KVK, Waghai	Offline	05-12-2024
All staff	Senior Scientist & Head, Scientist	KVK review meeting	KVK, Waghai	Offline	09-12-2024
All staff	Senior Scientist & Head, Scientist	KVK review meeting	KVK, Waghai	Offline	12-12-2024
Dr. J. B. Dobariya	Scientist	Agricultural Marketing Strategies for Agriculture Products of The Dangs District	KVK, NAU, Waghai, Dangs	Offline	10 & 11-12-2024
Dr. J. B. Dobariya	Scientist	National Seminar 2024 on "Agricultural Extension for Viksit Bharat: Innovations and Strategies for Sustainable Development	NAU, Navsari	Offline	27-28 December 2024
Dr. L. V. Ghetiya	Senior Scientist & Head	Review Meeting for work of of Agril. Fair-2024 & Orientation for Krishi Mahotsav - 2024	SSK Hall, NAU, Navsari	Offline	04-12-2024
Dr. L. V. Ghetiya	Senior Scientist & Head	Scientist's Meeting for Preparation of Agril. Fair	KVK, Waghai	Offline	05-12-2024
Dr. L. V. Ghetiya	Senior Scientist & Head	To receive the ICAR Scientist for visit of KVK, Waghai	KVK, Waghai	Offline	09-12-2024

Dr. L. V. Ghetiya	Senior Scientist & Head	Meeting with all Scientists of KVK for Two Days workshop of NIAM and prearation of Visit of ICAR Scientist	KVK, Waghai	Offline	09-12-2024
Dr. L. V. Ghetiya	Senior Scientist & Head	Meeting of all Scientists with ICAR Scientist Dr. Manoj Pandit Brahmane	KVK, Waghai	Offline	10-12-2024
Dr. L. V. Ghetiya	Senior Scientist & Head	KVK Review Meeting, Agril. Fair, Stall Booking, Participation of Farmers of Dang District	KVK, Waghai	Offline	11-12-2024
Dr. L. V. Ghetiya	Senior Scientist & Head	Meeting of all scientists of KVK for vote of thanks for grand success of two days workshop sponsored by NIAM, Jodhpur	KVK, Waghai	Offline	12-12-2024
Dr. L. V. Ghetiya	Senior Scientist & Head	Agril. Fair-2024 for the planning of farmers' participation & Transportation expenses, Stall Booking etc..	KVK, Waghai	Offline	12-12-2024
Dr. L. V. Ghetiya	Senior Scientist & Head	Deliver velidictory speech in Two Days Workshop on Marketing Strategies	-	Offline	12-12-2024
Dr. L. V. Ghetiya	Senior Scientist & Head	Attended PGRAG meeting of Plant Protection Group for presentation of PG Research program of my M. Sc. (Agri.) student Ms. Avani Hirapara	Department of Entomology	Offline	17-012-2024

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).

A. Best works for farming community

On January 26, 2024, at police pared ground, Ahwa, Dangs, Dr. J. B. Dobariya, IC, Senior Scientist and Head, KVK, NAU, Waghai, Dangs received an award for **"Best works for farming community"** from the **district administration** (R.M. Damor, DDO, Ahwa, Dangs, and B.B. Chaudhari, Collector & District Magistrate, Ahwa, Dangs).

B. Best Innovative Farmers Award for the Year 2022-23

Mr. Shakharambhai P. Palwa received "**Best Innovative Farmers Award**" given/sponsored by **Society of Extension Education, Gujarat & Navsari Agricultural University, Navsari** on 27-28 December 2024.

C. Dr. M. V. Patel Award- 2024

Mr, Chandrashing M. Chhaganiya (Prograssive farmer) received "**Dr. M. V. Patel Award**" given/sponsored by **Plant Protection Association of Gujarat** on 25 June 2024.

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

Sr. No.	Name of the Product	Quantity (Numbers)	Price (Rs.)
1	Fruit fly trap	350	19250
2	Fruit fly block	20	700
3	Novel	226	40125
4	Novel plus	04	1000
5	Biofertilizer	23	2300
Total Rupees			**63375**

3 DISTRICT AGROMET UNIT (DAMU) PROJECT (Jan.-Dec., 2024)

Sr. no.	Activity	No. of activity	No. of farmers
1.	Farmer Awareness Programme for Agromet Advisory	07	480
2.	Dissemination of Agromet Advisory		
	Whatsapp groups:	07	1567
3.	Agromet Advisory Service (Regular basis on every Tuesday & Friday)	69 District level bulletin 207 Block level bulletin (English & Regional Language)	1567
4.	Newspaper coverage	-	-
5.	Special advisory issued during 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	71	1622	1018	2640
Rural youths	-	-	-	-
Extension functionaries	04	31	114	145
Sponsored Training	45	917	1415	2332
Vocational Training	07	108	133	241
Total	**127**	**2678**	**2680**	**5358**

2. Frontline demonstrations

Crops/Enterprise	No. of Farmers	Area(ha)	Units/Animals
Oilseeds	-	-	-
Pulses	162	51.2	-
Cereals	201	70	-
Vegetables	109	9.8	-
Other crops	255	97.75	-
Hybrid crops	-	-	-
Total	727	228.75	-
Livestock & Fisheries	206	19	50
Other enterprises	60	0	60
Total	266	19	110
Grand Total	**993**	**247.75**	**110**

3. Technology Assessment & Refinement

Category	No. of Technology Assessed & Refined	No. of Trials	No. of Farmers
Technology Assessed			
Crops	06	48	48
Livestock	02	36	36
Various enterprises	-	-	-
Total	**08**	**84**	**84**
Technology Refined			
Crops	-	-	-
Livestock	-	-	-
Various enterprises	-	-	-
Total	-	-	-
Grand Total	**08**	**84**	**84**

4. Extension Programmes

Category	No. of Programmes	Total Participants
Extension activities	933	101007
Other extension activities	00	00
Total	**933**	**101007**

5. Mobile Advisory Services

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weather	Marke-ting	Aware-ness	Other enterprise	Total
	Text only	49	6	0	6	21	0	**82**
	Voice only	42	0	0	0	1	0	**43**
	Voice & Text both	0	0	0	0	0	0	**0**
	Total Messages	**91**	**6**	**0**	**6**	**22**	**0**	**125**
	Total farmers Benefitted	**230817**	**26384**	**0**	**23041**	**32068**	**0**	**312310**

6. Seed & Planting Material Production

	Quintal/Number	Value (Rs.)
Seed (q)	71.94	302676
Planting material (No.)	4290	4290
Bio-Products (kg)	-	-
Livestock Production (No.)	-	-
Fishery production (No.)	-	-

7. Soil, water & plant Analysis

Samples	No. of Beneficiaries	Value (Rs.)
Soil	0	00
Water	0	00
Plant	35	00
Total	**35**	**00**

8. HRD and Publications

Sr. No.	Category	Number
1	Abstract	03
2	Workshops	16
3	Conferences	03
4	Meetings	71
5	Trainings for KVK officials	07
6	Visits of KVK officials	06
7	Book published	01
8	Training Manual	00
9	Book chapters	03
10	Booklet	00
11	Leaflets/ Folder/ Pamphlet	00
12	Research papers	01
13	Technical Bulletin	248
14	Popular article	24
15	Lead papers	00
16	Seminar papers	00
17	Extension folder	00
18	Proceedings	00
19	Award & recognition	03
20	On-going research projects	01
21	Other	00