ICAR-ATARI, Pune

ANNUAL ACTION PLAN OF KVK GANDHINAGAR

(1st January to 31st December 2023)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address with PIN code	Telephone Office	E mail	Website address
Krishi Vigyan Kendra, Gujarat Vidyapith, Randheja, Gandhinagar (Guj.) -382620	079- 23975223	kvkgandhinagar@gmail.com	www.kvkgandhinagar.org

1.2. Name and address of host organization with phone, fax and e-mail (Not of KVK)

Address with PIN code	Telephone		E mail	Website address
	Office	FAX		
Gujarat Vidyapith, Near Income Tax Circle, Ashram Road, Ahmedabad-380 014	079-27546767	079-27542547	registrar@gujaratvidyapith.org	www.gujaratvidyapith.org

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

Name	Telephone / Contact		
	Office	Mobile	Email
Dr. V. K. Garg	079 23975223	9924171871	gargvk123@gmail.com

1.4. Year of sanction& type of host organization: 1977 (Deemed University)

1.5. Staff Position (as on 31st December, 2022)

Sl. No.	Sanctioned post	Name of the incumbent	Discipline	If Permanent, Please indicate			If Temporary, pl. indicate the consolidated amount paid (Rs./month)
				Current Pay Band	Current Grade Pay	Date of Joining	
1.	Senior Scientist and Head	Dr. V. K. Garg	Soil Science	37400-67000	10000	06-03-10	
2.	Subject Matter Specialist	H. N. Patel	Horticulture	15600-39100	7600	21-02-94	
3.	Subject Matter Specialist	Vinay Gour	Agronomy	15600-39100	7600	23-01-06	
4.	Subject Matter Specialist	Dr. P. V. Jadav	Animal Sci.	15600-39100	7600	01-07-08	
5.	Subject Matter Specialist	B. B. Hadiya	Agri. Ext.	15600-39100	6600	02-06-14	
6.	Subject Matter Specialist	Radhaben Chaudhry	Soil Science	15600-39100	5400	26-11-20	
7.	Subject Matter Specialist	-	-	-	-	-	
8.	Farm Manager	Vijay Modhvadiya	-	9300-34800	4200	03-04-21	
9.	Programme Assistant	Chandresh Gohil	Home Sci.	9300-34800	4200	20-11-20	
10.	Programme Assistant (Computer)	-	-	-	-	-	
11.	Assistant (Acct./Admn.)	Vishal Pithiya	-	9300-34800	4200	04-12-20	
12.	Stenographer	-	-	-	-	-	
13.	Driver 1	A. J. Damor	-	5200-20200	2400	06-09-06	
14.	Driver 2	-	-	-	-	-	-
15.	Supporting staff 1	Madhabhai	-	-	-	-	Out sourcing
16.	Supporting staff 2	Rameshbhai	-	-	-	-	Out sourcing

1.6. Total land with KVK (in ha):

S. No.	Item	Area (ha)
1	Under Buildings	0.50
2.	Under Demonstration Units	0.50
3.	Under Crops	9.00
4.	Horticulture	9.00
5.	Pond	1.00
		20.00

1.7. Infrastructural Development:

A. Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Year	Plinth area (Sq.m)	Expenditure (Rs.)	Starting year	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	1996 1978-79	750	14,59,844.00 53,377.69			
2.	Farmers Hostel	ICAR		335				
3.	Staff Quarters	ICAR	1979-80 1983-84	560	118542.94 160782.49			
4.	Demonstration Units	ICAR	1978-79	200	28,995.00			
5	Fencing	ICAR	2006-07	3000 m	5,91,766.50			
6	Threshing floor	ICAR	2005-06	130	1,37,245.00			
7	Farm godown	ICAR	1978-79	300	122401.08			
8	Garage and grass godown	ICAR	1986-87	48	2,00,211.00			
9	Implement shed	ICAR	2010-11		301711.00			

B. Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Bolero Jeep	2009-10	580412.60	144742	Good condition
Motor cycle	2010-11	45029	19229	Good condition
Tractor	2019-20	619916	1140 hrs.	Good condition

C. Equipments& AV aids

Name of the equipment / Implements	Year of purchase	Cost (Rs.)	Present status
Portable TV	1987-88	7050	Not Working
VCR	1988-89	15725	Not working
Colour TV	2002-03	25260	Not working
Fax Machine with stabilizer	2002-03	10350	Not working
Computer (NATP)	2002-03	111865	Not Working
Soil Testing Lab Equipment	2004-05	626947=34	Not Working
DVD Player	2006-07	3700	Not Working
LCD Projector	2006-07	75400	Not Working

Digital Camera	2006-07	15250	Not Working
Handy cam (SONY)	2008-09	25000	Working
Disc Harrow	1978-79	5651	Working
Rotovator	2006-07	47000	Working
Aeroblast sprayer	2008-09	99500	Not working
Generator	2008-09	37972	Not working
Laserjet Printer (HP 1020)	2010-11	6150	Working
Voltage stabilizer (for lab)	2010-11	21417	Working
Seed cum Fertilizer Drill	2010-11	30000	Working
Rotary Tiller (weeder)	2010-11	51450	Not working
Power Sprayer with stand	2010-11	24925	Working
Computer (HP)- Two	2015-16	86259	Working
LCD projector (k-yan)	2016-17	100000	Working
Photocopier machine	2016-17	89550	Working
Water cooler with RO system	2016-17	80485	Working
Digital camera with zoom kit	2016-17	36000	Working
Computer (HP)	2016-17	36000	Working
LCD projector	2016-17	58995	Working
Projector screen	2016-17	3170	Working
Plastic tables	2016-17	35710	Working
Furniture (Table, chairs)	2016-17	66890	Working
Solar pump with drip irrigation system	2016-17	563267	Working
Levellor (reversible)	2019-20	23500	Working
Tractor wheel ring for puddling	2020-21	21000	Working
UPS	2020-21	17341	Working

1.8. Details of SAC meetings to be conducted in the year

S.No.	Particulars	Proposed date of meeting
1	Scientific Advisory Committee	December

2. DETAILS OF JURISDICTION AREA UNDER KVK (No. of talukas - 4)

Sr No.	Name of Taluka
1	Gandhinagar
2	Mansa
3	Kalol
4	Dehgam

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

S. No	Farming system/enterprise	Names of talukas covered
1	Agricultural + Animal Husbandry	Gandhinagar,Mansa,Kalol,Dehgam
2	Agricultural + Horticulture + Animal Husbandry	Gandhinagar,Mansa,Kalol,Dehgam
3	Cotton - Wheat	Mansa,Gandhinagar
4	Bajara- wheat	Dehgam,Mansa
5	Paddy- wheat	Gandhinagar,Kalol
6	Groundnut- potato	Gandhinagar,Dehgam

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

a. Soil type

Sl. No.	Agro-climatic Zone	Characteristics	
1	Agro climatic zone IV attributed under semi - arid condition	Rainfall	: 600-700 mm
		Soil type	: Loamy to sandy loam
		Temperature	: Max. - 45°c, Min. - 10°c
		Water table	: 400 to 700 ft.

b. Topography

S. No.	Agro ecological situation	Characteristics	
1	Semi arid	Rainfall	: 600-700 mm
		Soil type	: Loamy to sandy loam
		Temperature	: Max. - 43°c, Min. - 10°c
		Water table	: 400 to 700 ft.

2.3. Soil Types

S. No	Soil type	Characteristics	Area in ha
1	Sandy to sandy loam	Low organic matter Particle size : 0.02 - 0.20 mm	1, 64, 954
2	Loamy	Moderate organic matter, Medium Water holding capacity	9,457

2.4. Area, Production and Productivity of major crops cultivated in the district (Ref. Year 2021-22)

S. No	Crop	Area (ha)	Production (MT.)	Productivity (Qt./ha)
1	Paddy (Kharif)	12132	28576	2355
2	Bajra (Kharif)	8354	24368	2917
3	Green gram	1724	1173	680
4	Groundnut	6193	15332	2476
5	Cluterbean	6831	6328	926
6	Castor	25329	59427	2346
7	Cotton	23588	77593	559
8	Pigeon pea	62	73	1181
9	Black gram	202	131	646
10	Sesamum	166	85	514
11	Wheat	29021	102778	3542
12	Mustard	539	999	1853
13	Fennel	1241	2207	1779
14	Tobacco	3547	9604	2708
15	Potato	9662	301459	31201
16	Chick pea	421	553	1313

Authentic Source (Deptt. of Ag., Zila Panchayat Gandhinagar)

2.5. Weather data (2022)

Month	Av. Rainfall (mm)	Temperature 0 C		Relative Humidity (%)	
		Maximum	Minimum	Maximum	Minimum
January		26.7	8.3	84.5	35.4
February		28.8	9.0	82.5	26.0
March		35.4	13.5	72.5	30.5
April		41.8	23.5	63.8	18.4
May		45.5	26.6	82.4	19.5
June	23	42.5	25.8	80.5	32.4
July	368	36.8	24.7	91.8	49.8
August	265	33.0	22.6	94.5	60.5
September	70	32.8	23.4	92.0	50.5
October	28	34.5	21.8	74.5	23.5
November	-	28.8	11.6	81.5	23.0
December	-	27.0	8.2	91.5	24.5
Total	**754**				

2.6. Production and productivity of livestock, Poultry, Fisheries etc. in the district (Ref. Year 2019-20)

Category	Population	Production	Productivity
Cattle			
Crossbred	89600	160540 (tones milk)	6.429 ltr/day
Indigenous	71488	56840 (tones milk)	3.013 ltr/day
Buffalo	331367	263200(tones milk)	3.171 ltr/day
Sheep	14214	14580 (kg wool)	1.21 kg/year
Goats	74124	4620(tones milk)	0.271
Pigs	-		-
Rabbits	204		-
Poultry			
Farm poultry	125165	11.16 lakh egg	258 egg/year
Backyard poultry	8264	4.01 lakh egg	148 egg/year
Fish (Reservoir)	-	-	-

Source: 36th survey report of MLT (doah.gujarat.gov.in)

2.7. Details of Operational area / Villages

Taluka / Block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
Gandhinagar	Chekhlarani	Cotton, Castor, Wheat, Paddy, Groundnut, Potato, Animal Husbandry, seasonal vegetables	Low productivity of Field crops	Enhancing the productivity though high yielding varieties, Natural Resource Management, INM and IPM in field crops, Nutritional Management, Mechanization in agriculture, Nutritional management in farmers families
	Magodi		Degradation of soil fertility	
	Moti Adaraj		Lack of knowledge about balance feeding	
	Jalund		Scarcity of labour	
	Rupal		Low ground water table	
	Jakhora		High cost of cultivation	

	Haripura			
	Pethapur			
Mansa	Kharna	Castor, Cotton, Wheat, Pearl millet, Animal Husbandry, Vegetables	Low productivity of Field crops	Enhancing the productivity of major crops by introduction of high yielding varieties, INM Nutritional Mgmt., Fodder Management, Entrepreurship development, Mechanization in agriculture
	Parsa		Low soil fertility	
	Maninagar		Lack of nutritious feed	
	Ridrol		Scarcity of labour	
	Lodara		Low ground water table	
	Rajpura			
	Govindpura			
	Dholakuva			
Kalol	Paliyad	Castor, cotton, Wheat,Mustard Animal Husbandry, fruits & vegetables	Reproductive problems	Fodder Management, Nutritional Mgmt., Enhancing the productivity of major crops by introduction of high yielding varieties,Scientific Dairy Mgmt., Nutritional management in farmers families, INM and IPM in field crops
	Golathra		Scarcity of labour	
	Khoraj Dabhi		Low ground water table	
	Chandisana		Low productivity of Field crops	
	Bhavpura			
	Maninagar			
	Soja			
	Nava			
Dehgam	Devkaran na muvada	Castor, Cotton, Wheat, Pearl Millet, Animal Husbandry, Vegetables	Imbalance use of fertilizer	Enhancing the productivity of major crops, INM and IPM in field crops, Natural Resource Management, Fertilizer management, Scientific Dairy Mgmt., Mechanization in agriculture
	Motipura		Low ground water table	
	Galajini Muvadi		Soil health degradation	
	Arjanjina muvada		Scarcity of labour	
			Reproductive Problems	

2.8. Priority thrust areas:

Crop/Enterprise	Thrust area
Cotton, Castor, Wheat, green gram	ICM, INM, IPM, Natural Farming, Enhancing the productivity of major crops
Vegetable/fruit crop	Value Addition & Processing, ICM, INM, IPM, Enhancing productivity of vegetables crops
Agricultural extension	Entrepreneurship development,ICT tools in agriculture & allied
Animal Husbandry	Fertility Management, Nutrition Management, Disease Management Feed & Fodder Management
Soil Science	INM, Soil fertility management,Soil and Water Testing
Home Science	Value addition, Women and child care, Storage loss minimization

3. TECHNICAL PROGRAMME

3.1. A. Details of targeted mandatory activities by KVK

OFT		FLD	
(1)		(2)	
Number of OFTs	Number of Farmers	Area (ha)	Number of Farmers
06	60	84.5	433

Training		Extension Activities	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
87	2170	135	3215

Seed Production (Qtl.)	Planting material (Nos.)	Fish seed prod. (No's)	Soil Samples
(5)	(6)	(7)	(8)
20	-	-	100

3.1. B. Operational areas details proposed during 2022

S.No.	Major crops & enterprises being practiced in cluster villages	Prioritized problems in these crops/ enterprise	Names of Cluster Villages identified for intervention	Proposed Intervention (OFT, FLD, Training, extension activity etc.)*
1	Cotton	Low productivity of crop Infestation of Diseases & Pests Degradation of soil fertility Scarcity of labour High cost of cultivation Use of locally available seeds No use of micronutrients and biofertilizers	Magodi, Kharna, Chekhlarani, Paliyad, Motipura, Jalund,Parsa,Maninagar, Randheja	FLD, Training, Extension activities
2	Castor	Low productivity of crop	Chekhlarani, Parsa, Devkaran	FLD, Training,

		High cost of cultivation Infestation of Diseases & Pests Scarcity of labour Low ground water table	na muvada, Golathara, Paliyad, Kharna, Motipura, Khoraj dabhi, Bhavpura	Extension activities
3	Wheat	Low productivity of crop High cost of cultivation Scarcity of irrigation water No use of micronutrients and biofertilizers	Chekhlarani, Motipura, Jakhora, Khoraj dabhi, Moti adaraj,Nava	OFT, FLD, Training, Extension activities
4	Pulses	Low productivity of crop Infestation of Diseases & Pests No use of micronutrients and biofertilizers	Magodi, Jakhora, Golathra, Khoraj dabhi, Chekhlarani, Motipura,Devkaran na muvada	OFT, FLD, Training, Extension activities
5	Fruits & Vegetable	Low productivity of crop High cost of cultivation Infestation of Diseases & Pests Arbitrary use of fertilizers	Motipura, Parsa, Kharna, Paliyad, Devkaran na muvada,Chekhlarani,Haripura	OFT, FLD, Training, Extension activities
6	Animal Husbandry	Reproductive Problems, Lack of knowledge about balance feeding, Lack of nutritious feed	Chekhlarani, Kharna, Magodi, Govindpura, Paliyad, Moti adaraj, Bhavpura,Khoraj dabhi,Pethapur,Randheja	OFT, FLD, Training, Extension activities

* Support with problem-cause and interventions diagram

3.2. Technologies to be assessed

A.1. Abstract on the number of technologies to be assessed in respect of crops

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation	01	-	-	-	01	-	-	-	-	**02**
Integrated Nutrient Management	01	01	-	-	-	01	-	-	-	**03**
TOTAL	**02**	**01**	**-**	**-**	**01**	**01**	**-**	**-**	**-**	**05**

A.2. Abstract on the number of technologies to be assessed in respect of livestock / enterprises

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Vermi culture	Fisheries	TOTAL
Disease of Management	-	-	-	-	-	-	-	-
Value Addition	-	-	-	-	-	-	-	-
Feed and Fodder	01	-	-	-	-	-	-	**01**
TOTAL	**01**	**-**	**-**	**-**	**-**	**-**	**-**	**01**

B. Details of On Farm Trial / Technology Assessment during 2023

S. No.	Crop/ enterprise	Prioritized problem	Title of intervention	Technology options	Source of Technology	Name of critical input	Qty per trial	Cost per trial	No. of trials	Total cost for the Intervention (Rs.)	Parameters to be studied	Team members
1	Wheat	Low Yield of late sown wheat due to high temperature	Assessment of Wheat variety GW-499	1.Farmers Practice: Lok-1 2.GW-173 3.GW-499	S.D.A.U	Seeds	750kg	2400	10	24000	Test weight, Seed Yield	Vinay Gaur
2	Mango	Low yield due to Imbalance use of Potash	To maintain the health and yield of Mango tree by Foliar spray of KNO3.	T1-Farmers practices (Arbitrary use of Fertilizers) T2- RDF (750 + 160 + 750 grams per tree per year) T3- Foliar spray of KNO3 @50 gm/10 ltr of water in July (2 spray), November (2 spray) and One spray in February	NAU, Navsari	KNO3 13:00:45 NPK	2 kg.	400	10	4000	Yield	H.N. Patel
3	Okra	Low yield due to viral YMV	Assessment of phule VIMUKTA cultivar	T1- Farmers variety (Use of pvt. Sector seeds) T2- Phule Vimukta T3- variety A-5	MPKV Rahuri	Seeds of variety	2 Kg	500	10	10000	yield	H.N. Patel
4	Sorghum	Low yield of fodder sorghum	Assessment of high fodder yielding variety	1 Farmer Practice Use of local variety 2 Recommended variety CSV 21F 3 Improved variety GFS-6	AICSIP 2006 NAU 2018	Seeds	20 kg	1300	10	13000	Green fodder yield	Dr P V Jadav
5	Wheat	Low yield	P & Zn management with bio-fertilizer	1. farmer practice (arbitory use of nutrients) 2 RDF (120:60:00)	SDAU-2019	PSB, VAM, $ZnSO_4$	PSB- 1 kg, VAM-5 kg,	1250	10	12500	Yield, Plant height, soil	Radha Chaudhary

				3. 30 kg P2O5 + PSB 30 g/kg seed + Inoculation of 20 kg VAM culture + 20 kg ZnSO4 /ha + RDN			$ZnSO_4$ - 5 kg				fertility	
6	Kharif Groundnut	Low yield	Assessment of 0.2% Boric acid & Nano Boron in kharif Groundnut	1.Farmer practices (No boron) 2. RDF (12.5+25+0)+ foliar spray of 0.2 % boric acid at 30, 45 & 60 DAS 3. RDF (12.5+25+0) + foliar spray of 0.2 % Nano-boron at 30, 45 & 60 DAS	JAU 2020	Boric acid, Nano-boron	500g Boric acid, 500 g Nano-boron	2500	10	25000	Yield, test weight	Radha Chaudhary

3.3. Frontline Demonstrations

A. Details of FLDs to be organized –

Sl. No.	Crop	Variety	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmer / demo.	Parameters identified
1	Wheat	GW-451	INM	GW-451 Jiva Amrut	Seed + Jiva Amrut	Rabi 23-24	05	20	Yield
2	Cumin	GG-4	Varietal Evaluation	GG-4 variety	Seed	Rabi 23-24	2.5	10	Yield
3	Green Gram	GM-6/ GAM-5	INM	GM-6/GAM-5 + Biofertilizers	Seed + Biofertilizers	Kharif-23	05	20	Yield
4	Chilli	Local	INM	Foliar spray of Banana sap (psuedostem sap) spray @ 150 ml per 15 ltr of water at every 15 days interval till last picking	Banana sap (psuedostem sap)	Kharif-23	10	40	Yield
5	Brinjal	GAB-6	Varietal Evaluation	GAB-6 variety seed	Seed	Kharif-23	05	20	Yield
6	Oat	JHO 99-2	Feed and fodder Mgmt	JHO 99-2 variety	Seeds	Rabi 23-24	02	20	Fodder production
7	Pearlmillet	Local	INM	Seed treatment with Azatobacter (ABA-1) @ 40 ml/4kg seed	Azatobacter	Kharif-23	05	20	Yield
8	Gram	Local	INM	2% KNO_3 Spray @ flowering & pod development stage	KNO_3	Rabi 23-24	05	20	Germination %, Branches/plant, Yield
9	Wheat	Local	INM	Spray 1% solution of Grade-IV micro-nutrient mixture at 30, 40 & 50 DAS	Micro-nutrient mixture	Rabi 23-24	05	20	Yield, test weight
10	Cotton	Local	INM	1% spray of 19-19-19 (NPK) at flowering, ball formation and ball development stage	19-19-19 (NPK)	Kharif-23	05	20	Yield
11	Kitchen Gardening	Vegetable	Nutritional security	Vegetable seeds, Vermicompost,	Vegetable seeds+Vermicompost	Kharif 23 & Rabi 23-24	0.5	40	Yield (Kg.) Monthly Savings (Rs.)
Total							**50**	**250**	

Sponsored Demonstrations (CFLDs on O & P/Others)

S. No.	Crop	Variety	Season and Year	Area (ha)	No. of farmers
1	Castor (NFSM-Oilseeds)	GCH-9	Kharif 23	10	20
2	Groundnut (NFSM-Oilseeds)	GG-32	Kharif 23	10	20
3	Sorghum (RFS-Dhamrod)	COFS 31	Kharif 23	02	20
4	Mustard (NFSM-Oilseeds)	GDM-6	Rabi 23-24	10	20
Total				**32**	**80**

B. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	16	January, February, March, October, November, December	700
2	Farmers Training	25	January, February, May, June, July, August, September, October, November	500

C. Details of FLD on Enterprises

a. Farm Implements

Name of the implement	Crop	Season and year	No. of farmers	Area (ha)	Critical inputs	Performance parameters / indicators
Improved sickle	wheat	Rabi 2023	20	2.5	Improved sickle	Labour saving

b. Livestock Enterprises

Enterprise	Breed	No. of farmers	No. of animals, poultry birds etc.	Critical inputs	Performance parameters / indicators
Buffalo	Mehsani	20	20	By pass Fat	Average daily Milk Production
Cattle	HF Cross	20	20	Mineral mixture	Average daily Milk Production
Cattle	HF Cross	20	20	Chelated Mineral mixture	Milk production, Service period.
Cattle	HF cross	05	05	Azolla	Milk production

c. Other Enterprises (Mushroom, Apiculture, Sericulture, Vermicompst, Value Addition, Women empowerment, etc)

Enterprise	Technology demonstrated	No. of farmers	No. of units	Critical inputs	Performance parameters / indicators
Vermicompost	Vermicompost preparation	8	8	Vermibed, earthworm	No. of cycles, quantity
Women empowerment	Drumstick leaves powder	10	10	Drumstick leaves powder	-Hemoglobin percentage -Body weight (kg) -Occurrence in disease (if any)

3.4.Training (Including the sponsored and FLD training programmes):

A. ON Campus

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Resource Conservation Technologies	4	120	30	150	3	1	4	154
Integrated Crop Management	5	96	9	105	4		4	109
Production of organic inputs	1	-	20	20	-	2	2	22
Natural farming	1	40	10	50				50
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	1	20	-	20	5	-	5	25
Off-season vegetables	1	20	-	20	5	-	5	25
Nursery raising	1	20	-	20	5	-	5	25
b) Fruits								
Layout and Management of Orchards	2	40	-	40	10	-	10	50
Management of young plants/orchards	1	20	-	20	5	-	5	25
III Soil Health and Fertility Management								
Soil fertility management	1	23	-	23	2	-	2	25
Integrated Nutrient Management	2	35	9	44	4	3	7	51
Production and use of organic inputs	2	42	4	46	4	-	4	50
Micro nutrient deficiency in crops	1	20	-	20	5	-	5	25
Soil and Water Testing	1	22	-	22	3	-	3	25
IV Livestock Production and Management								
Dairy Management	4	43	21	64	14	22	36	100
Disease Management	2	18	12	30	7	13	20	50
Feed management	1	5	10	15	00	10	10	25
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	2	-	36	36	-	4	4	40
Value addition	2	-	28	28	-	2	2	30
Location specific drudgery reduction technologies	1	-	18	18	-	2	2	20
Women and child care	1	-	18	18	-	2	2	20
VI Capacity Building and Group Dynamics								
Entrepreneurship development in agriculture and allied	2	25	25	50	-	-	-	50
Use of ICT tools in agriculture & allied	1	25	-	25	-	-	-	25
Farmer producer organization (FPO)	1	25	-	25	-	-	-	25
TOTAL	**41**	**659**	**250**	**809**	**76**	**61**	**127**	**1046**
(B) RURAL YOUTH								
Production of organic inputs	1	20	4	24	2	4	6	30
Value addition in fruits and vegetables	1	10	-	10	-	-	-	10
TOTAL	**2**	**30**	**4**	**34**	**2**	**4**	**6**	**40**
(C) Extension Personnel								
Natural Farming	1	30	04	34	05	02	07	41
Production of Low cost Botanical extract	1	15	5	20	5	-	5	25
TOTAL	**2**	**45**	**9**	**54**	**10**	**2**	**12**	**66**
G. Total	**45**	**734**	**263**	**897**	**88**	**67**	**145**	**1152**

B. OFF Campus

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	1	25	-	25	-	-	-	25
Resource Conservation Technologies	2	22	20	42	3	1	4	46
Integrated Crop Management	2	41		41	3		3	44
Production of organic inputs	1	20	-	20	5	-	5	25
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	1	20	-	20	5	-	5	25
Off-season vegetables	1	20	-	20	5	-	5	25
Nursery raising	1	20	-	20	5	-	5	25
b) Fruits								
Training and Pruning	1	20	-	20	5	-	5	25
Layout and Management of Orchards	1	20	-	20	5	-	5	25
Cultivation of Fruit	1	20	-	20	5	-	5	25
Management of young plants/orchards	1	20	-	20	5	-	5	25
Rejuvenation of old orchards	1	20	-	20	5	-	5	25
III Soil Health and Fertility Management								
Soil fertility management	1	15	5	20	5	-	5	25
Soil and Water Conservation	1	20	-	20	5	-	5	25
Integrated Nutrient Management	3	59	-	59	13	-	13	72
Management of Problematic soils	1	20	-	20	5	-	5	25
Micro nutrient deficiency in crops	1	20	-	20	5	-	5	25
Nutrient Use Efficiency	1	20	-	20	5	-	5	25
Soil and Water Testing	2	35	5	40	10	-	10	50
IV Livestock Production and Management								
Dairy Management	4	27	43	70	04	26	30	100
Disease Management	2	8	29	37	05	8	13	50
Feed management	1	8	8	16	3	6	9	25
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	2	-	36	36	-	6	6	42
Storage loss minimization techniques	1	-	18	18	-	2	2	20
Value addition	1	-	18	18	-	4	4	22
Location specific drudgery reduction technologies	1	-	18	18	-	2	2	20
Women and child care	1	-	18	18	-	4	4	22
VI Capacity Building and Group Dynamics								
Marketing strategies in natural farming	2	30	10	40	5	5	10	50
Use of ICT tools in agriculture & allied	1	-	20	20	-	5	5	25
Farmer producer organization (FPO)	1	25	-	25	-	-	-	25
VII Production of Inputs at site								
Vermi-compost production	1	20	5	25	5	-	5	30
TOTAL	**42**	**575**	**253**	**828**	**121**	**69**	**190**	**1018**

C. Consolidated table (ON and OFF Campus)

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	1	25	-	25	-	-	-	25
Resource Conservation Technologies	6	142	50	192	6	2	8	200
Integrated Crop Management	7	137	9	146	7	-	7	153
Production of organic inputs	2	20	20	40	5	2	7	47
Natural farming	1	40	10	50				50
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	2	40	-	40	10	-	10	50
Off-season vegetables	2	40	-	40	10	-	10	50
Nursery raising	2	40	-	40	10	-	10	50
b) Fruits								
Training and Pruning	1	20	-	20	5	-	5	25
Layout and Management of Orchards	3	60	-	60	15	-	15	75
Cultivation of Fruit	1	20	-	20	5	-	5	25
Management of young plants/orchards	2	40	-	40	10	-	10	50
Rejuvenation of old orchards	1	20	-	20	5	-	5	25
III Soil Health and Fertility Management								
Soil fertility management	2	38	5	43	7	-	7	50
Soil and Water Conservation	1	20	-	20	5	-	5	25
Integrated Nutrient Management	5	94	9	103	17	3	20	123
Production and use of organic inputs	2	42	4	46	4	-	4	50
Management of Problematic soils	1	20	-	20	5	-	5	25
Micro nutrient deficiency in crops	2	40	-	40	10	-	10	50
Nutrient Use Efficiency	1	20	-	20	5	-	5	25
Soil and Water Testing	3	57	5	62	13	-	13	75
IV Livestock Production and Management								
Dairy Management	8	70	64	134	18	48	66	200
Disease Management	4	26	41	67	12	21	33	100
Feed management	2	13	18	31	3	16	19	50
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	4	-	72	-	-	10	-	82
Storage loss minimization techniques	1		18			2		20
Value addition	3		46			6		52
Location specific drudgery reduction technologies	2		36			4		40
Women and child care	2		36			6		42
VI Capacity Building and Group Dynamics								
Entrepreneurship development in agriculture and allied	2	25	25	50	-	-	-	50
Use of ICT tools in agriculture & allied	2	25	20	45	-	5	5	50
Marketing strategies in natural farming	2	30	10	40	5	5	10	50
Farmer producer organization (FPO)	2	50	-	50	-	-	-	50
VII Production of Inputs at site								
Vermi-compost production	1	20	5	25	5	-	5	30
TOTAL	**83**	**1234**	**503**	**1737**	**197**	**130**	**327**	**2064**

(B) RURAL YOUTH								
Production of organic inputs	1	20	4	24	2	4	6	30
Value addition in fruits and vegetables	1	10	-	10	-	-	-	10
TOTAL	**2**	**30**	**4**	**34**	**2**	**4**	**6**	**40**
(C) Extension Personnel								
Natural Farming	1	30	4	34	05	02	07	41
Production of Low cost Botanical extract	1	15	5	20	5	-	5	25
Total	**2**	**45**	**9**	**54**	**10**	**2**	**12**	**66**
G. TOTAL	**87**	**1309**	**516**	**1725**	**209**	**136**	**335**	**2170**

Details of training programmes attached in Annexure -I

3.5. Extension Activities (including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	16	558	120	678	16	6	22	574	126	700
Kisan Mela	01	150	90	240	8	2	10	158	92	250
Kisan Ghosthi	03	100	47	147	2	1	3	102	48	150
Exhibition	01	150	100	250	-	-	-	150	100	250
Film Show	04	200	90	290	8	2	10	208	92	300
Farmers Seminar	03	150	90	240	8	2	10	158	92	250
Workshop	02	145	50	195	3	2	5	148	52	200
Group meetings	10	150	45	195	3	2	5	153	47	200
Lectures delivered as resource persons	Need base									
Newspaper coverage	10									
Popular articles	05									
Extension Literature	08									
Advisory Services	Need base									
Scientific visit to farmers field	25	60	40	100	-	-	-	60	40	100
Farmers visit to KVK	Need base			0	-	-	-	0	0	0
Diagnostic visits	35	60	20	80	-	-	-	60	20	80
Ex-trainees Sammelan	01	50	25	75	-	-	-	50	25	75
Animal Health Camp	02	10	50	60	-	-	-	10	50	60
Celebration of important days (specify)	05	150	100	250	-	-	-	150	100	250
Swachhta Pakhwada	02	145	100	245	4	1	5	149	101	250
Night Goshthi	02	76	20	96	2	2	4	78	22	100
Total	**135**	**2154**	**987**	**3141**	**54**	**20**	**74**	**2208**	**1007**	**3215**

3.6. Target for Production and supply of Technological products

SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (qtl.)
CEREALS	Wheat	GW-451, GW-499, GW-173	20
OILSEEDS	Mustard	GDM-6	1
PULSES			
VEGETABLES			

PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)
FRUITS	-	-	-
SPICES	-	-	-
VEGETABLES	-	-	-
FOREST SPECIES	-	-	-
ORNAMENTAL CROPS	-	-	-

Bio-products

Sl. No.	Product Name	Species	Quantity	
			No	(kg)
BIO PESTICIDES				
	Neem oil	10000 ppm	-	5000
BIO FERTILIZERS				
	Vermicompost	Eisenia Foetida	-	20 tones

LIVESTOCK

Sl. No.	Type	Breed	Quantity	
			(Nos)	Unit
1	Cattle	HF	2	-

4. Literature to be Developed/Published

A. KVK News Letter

Date of start : July 2014

Number of copies to be published : 500

B. Literature developed/published

Sr.No.	Topic	Number
1	Research paper each scientist	05
2	Technical reports	02
3	News letters	02
4	Training manual all discipline	04
5	Popular article	05
6	Extension literature	08
	Total	**26**

C. Details of Electronic Media to be produced

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette) and video clippings	Title of the programme	Number
1	Video clippings	Package of practice	5

D.Success stories/Case studies identified for development as a case. -

a. Brief introduction

b. Interventions

c. Output

d. Outcomes

e. Impact

i) Social economic

ii) Bio-Physical

f. Good Action Photographs

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

A. Practicing Farmers

a) Base line survey by qauestionarrie method

b) Group discussion

c) Formation of SHGs

d) Seasonal crop basis

B. Rural Youth

a) Personal contact

b) Group discussion

To generate self-employment through small enterprises & skill based training programmes; various vocational training programmes in different disciplines are identified.

C. In-service personnel

a) Discussion/Interaction

Discussion with different line departments in the area during SAC meetings, need for in-service training is identified, planned and organized accordingly to satisfy desired needs.

5.2. Indicate the methodology for identifying OFTs/FLDs

For OFT:

i) PRA

ii) Field level observations

iii) Farmer group discussions

For FLD:

i) New variety/technology

ii) Poor yield at farmers level

iii) Existing cropping system

5.3. Field activities

i. Name of villages identified/adopted with block name (from which year) -

Sr.No.	Village	Block	Year
1	Chekhlarani	Gandhinagar	2017
2	Magodi	Gandhinagar	2015
3	Jalund	Gandhinagar	2014
4	Rupal	Gandhinagar	2014
5	Moti Adaraj	Gandhinagar	2018
6	Paliyad	Kalol	2012
7	Golthara	Kalol	2010
8	Bhaupura	Kalol	2014
9	Chandisana	Kalol	2012
10	Khoraj dabhi	Kalol	2018
11	Kharna	Mansa	2014
12	Rampura	Mansa	2016
13	Parsa	Mansa	2016
14	Govindpura	Mansa	2011
15	Devkaran na muvada	Dehgam	2016
16	ArjanjinaMuvada	Dehgam	2016
17	Motipura	Dehgam	2016
18	Pato	Dehgam	2018
19	Sonarada	Gandhinagar	2019
20	Vankanerda	Gandhinagar	2019
21	Galudan	Gandhinagar	2019
22	Vira talavadi	Gandhnagar	2019
23	Babra	Dehgam	2019
24	Khoraj Dabhi	Kalol	2020
25	Nava	Kalol	2022

ii. No. of farm families selected per village :35

iii. No. of survey/PRA conducted :15

iv. No. of technologies taken to the adopted villages: 18

v. Name of the technologies found suitable by the farmers of the adopted villages:

Sr.No.	Name of crop/enterprise	Name of Variety /technology
1	Greengram	GAM-5
2	Castor	GCH-7
3	Fennel	GF-12
4	Wheat	GW-451
5	Cattle	Mineral mixture
6	Cattle	Bypass fat
7	Fodder Oat	JHO 99-2
8	Brinjal	paecelomysis lilasenus
9	Potato	PGPR
10	Vegetables	Banana Sap

vi. Impact (production, income, employment, area/technological– horizontal/vertical)

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	Wheat	Variety	GW-451	Training G.D. meeting Field Demonstration Method demonstration	24	425	175
2	Castor	ICM	GCH-7, Micronutrients, Bio fertilizer		40	2500	1250
3	Oat	Fodder Prod.	JHO 99-2		10	250	125
4	AH	Nutrition Mgmt.	Mineral Mixture		35	1100	-
5	AH	Nutrition Mgmt.	Bypass Fat		12	225	-
6	Brinjal	IPM	Soil application of paecelomysis lilasenus 1% WP @ 4-5 kg. /ha at the time of sowing		15	750	200
7	Fennel	Variety	GF-12		12	375	125
8	Green Gram	ICM	GAM-5 variety, Sulphur, Micronutrients, liquid bio fertilizer		10	200	75
9	Potato	ICM	Seed treatment with PGPR @ 1 L/ha		08	175	65
10	Chilli	INM	Banana Sap		06	120	50

vii. Constraints if any in the continued application of these improved technologies-- nil

6. LINKAGES

6.1. Functional linkage with different organizations

Sl.No.	Name of organization	Nature of Linkage
1.	SDAU, Dantiwada Kamdhenu university, Gandhinagar	- For arranging the FLDs - For conducting OFT - Technical support - Participation in meeting
2.	District Agriculture, Horticulture, Animal husbandry Departments	- Joint implementation of different extension activities - For conducting different demonstration - Participation in meeting
3.	Seed Corporation, Gandhinagar	- Timely availability of seed - Organizing seed multiplication programmes
4.	Co-operative dairy, Gandhinagar	- Participation in training programme
5.	GSFC/IFFCO/GUJCOMASOL/ GGRC	- Timely availability of basic inputs - Capacity Building
6.	Co-operative institutes at District, Taluka & Village level	-Joint survey for arranging need base training Programmes - Participation in organizing extension activities
7.	State Horticulture Department	- Joint implementation of extension activities - Participation in demonstration
8.	District NGOs	- Joint participation in arranging training programmes for farm women & rural youth
9.	B. R .S colleges of the state	Participation in field work experience for students
10.	ATMA Scheme	Jointly organizing extension programmes, participation in meeting

6.2. Details of linkage with ATMA

a) Is ATMA implemented in your district Yes

S. No.	Programme	Nature of linkage
1	Farmer training	Technical support
2	Extension activities	Technical support

6.3. E-linkage during 2022

S. No	Nature of activities	Likely period of completion	Remarks if any
1	Title of the technology module to be prepared	-	
2	Creation and maintenance of relevant database system for KVK	-	

6.4. Give details of programmes under National Horticultural Mission

S. No.	Programme	Nature of linkage
1	-	
2	-	

6.5. Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage
1	**-**	
2	**-**	

6.6. Additional Activities Planned including sponsored projects (ProCRA / Pro SOIL/NARI/DAESI/DAMU/ DFI, etc.) / schemes during 2023, if involved.

S.No.	Name of the agency / scheme	Name of activity	Technical programme with quantification	Financial outlay (Rs.)	Names of the team members involved
	-	-	-	-	-

7.0 Convergence with other agencies and departments: Arvind Foundation, IFFCO, GGRC,GSFC, KRIBHCO, SEWA NGO, BOB RSETI, National Seed Corporation, State Horticulture Deptt., District Agriculture Department, ATMA Project, AH Deptt.

8. Innovator Farmer's Meet 2023

Sl.No.	Particulars	Details
	Are you planning for conducing Farm Innovators meet in your district?	No
	If Yes likely month of the meet	
	Brief action plan in this regard	

9. Farmers Field School (FFS) planned 2023

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

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

S. No	Technology	Feed Back
1	Wheat GW 451variety	1. Larder size shinning grain with good production potential. 2. Good for chapattis.
2	Fennel GF 12 variety	1. Variety GF-12 has more branches which results in higher yield.
3	Greengram GM 6 variety	Variety GM-6 is bold seeded high yielding.
4	Groundnut GJG 32 variety	1. INM module resulted in higher productivity. 2. Due to irregular /uneven pattern of rain there is 12-15 % damage in crop.
5	Brinjal GAB-6 variety	The variety has very less little leaf problem
6	Chilli (Banana sap)	It gives more flowers, fruiting and picking.
7	Potato (G4 micronutrients)	It increases the firm size of tubers.
8	Mustard GDM-4	GDM-4 variety is bold seeded and resistant to powdery mildew
9	Wheat (G4 micronutrient)	No whitening and tip burning of leaves
10	Cotton (19-19-19 NPK)	More yield, less drying of leaves , saving of fertilizer
11	Gram (2% KNO3 Spray)	Larger seed size & heavy in weight
12	Fodder Oat JHO 99-2	The provided variety of Oat is found superior as compare to other variety
13	Mineral Mixture	Mineral mixture feeding increase milk production and animal became pregnant in less time period
14	Bypass Fat	Bypass fat feeding increase fat percentage and animal become healthy
15	Heat synch protocol	Heat synch protocol improve reproductive performance of anoestrus buffaloes
16	Chelated Mineral Mixture	Chelated Min. mix increase milk production and fat% and help to reduce service period of dairy animals.

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

S. No	Technologies	Feed Back
1	Wheat GW 451 variety	Variety is short so doesn't lodge.
2	Fennel GF 12 variety	Variety GF-12 has more branches (5.8) as compared to local check (4.8) which results in higher yield.
3	Greengram GM 6 variety	Bold size seeds with YMV resistance
4	Groundnut GJG 32 variety	Variety GJG-32 is 18-20 % Yield enhancement was observed by use of INM (Rhizobium,PSB,Sulphur)
5	Brinjal GAB 6 variety	The variety fetches Good market price
6	Chilli (Banana sap)	The psuedostem liquid is cheaper and effective
7	Potato(G4 micronutrient)	The micronutrient gives vigorous plant growth.
8	Mustard GDM-4 variety	GDM-4 variety is bold seeded and resistant to powdery mildew
9	Wheat (micronutrient G4)	Vegetative growth is good and stem girth increased. Size of seed and shining
10	Gram (2% KNO3 Spray)	Larger seed size, Seed index is 20.5 g , while 18.6 g is of non-treated plot
11	Cotton (1% 19:19:19 NPK)	15% more yield, saving of nearly half dose of potash and nitrogen
12	Mineral Mixture	Mineral mixture feeding increase milk production and milk fat percentage
13	Bypass Fat	Bypass fat feeding increase milk production and milk fat percentage and also reduced weight loss after lactation period
14	Chelated Mineral Mixture	Chelated Mineral mixture feeding increase milk production and milk fat percentage and also reduced service period

11. Utilization of hostel facilities

S. No.	Programme	No. of days
1	On campus	48
2	Exposure tours & Sponsored programme	10
3	Other guests & RAWE students	50
	Total	**108**

Annexure - I

Training Programme

i) Farmers & Farm women (On Campus)

Date	Clientele	Title of the training programme	Duration in days	Number of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
Crop Production										
11/01/23	PF	Natural Farming	01	40	-	40	01	-	01	41
17/02/23	PF	Natural Farming	01	30	10	40	01	-	01	41
10/05/23	PF	ICM in green gram	01	19	1	20	-	-	-	20
20/06/23	PF	Production technology of Kharif Groundnut and sesame	01	17	03	20	01	-	01	21
26/07/23	PF	Production technology of Castor	01	25	-	25	-	-	-	25
04/08/23	PF	INM in Castor	01	20	4	24	2	-	2	26
14/09/23	PF	Preparation of compost and Vermicompost	01	-	20	20	-	2	2	22
03/10/23	PF	Scientific cultivation of cumin	01	20	-	20	2	-	2	22
10/11/23	PF	ICM in Wheat	01	15	5	20	1	-	1	21
12/12/23	PF	Natural farming	01	10	10	20	1	1	2	22
Horticulture										
16/6/23	PF	Nursary mngt & Production technology of vegetable crops	01	20	-	20	05	-	05	25
5/7/23	PF	INM technology of old orchards of Mango	01	20	-	20	05	-	05	25
23/7/23	PF	INM in vegetables	01	20	-	20	05	-	05	25
28/7/23	PF	Production technology of chilli	01	20	-	20	05	-	05	25
2/11/23	PF	Production technology of Okra	01	20	-	20	05	-	05	25
30/1123	PF	Production technology of Brinjal	01	20	-	20	05	-	05	25
Livestock prod.										
27/01/23	PF/FW	Scientific Dairy Management	1	15	05	20	02	03	05	25
10/04/23	PF/FW	Care and management of dairy animals during summer	1	08	09	17	02	06	08	25
16/05/23	PF/FW	Production technology of fodder crops	1	05	10	15	0	10	10	25
06/06/23	PF/FW	Nutritional management of dairy animals	1	14	0	14	6	05	11	25
17/08/23	PF/FW	Integrated management for control of mastitis in crossbred cows	1	10	05	15	05	05	10	25
29/10/23	PF/FW	Importance of ITK in dairy management	1	8	7	15	2	8	10	25
09/11/23	PF/FW	Importance of preventive measures to control diseases in dairy management	1	6	7	13	4	8	12	25
Soil Science										
25/01/23	PF	Importance of soil sampling and analysis in maintaining soil fertility	01	22	-	22	03	-	03	25
20/02/23	PF	Soil health card	01	23	-	23	02	-	02	25
19/05/23	PF/FW	INM in Goundnut	01	20	04	24	01	-	01	25

09/06/23	PF/FW	Importance of millets in human health & their cultivation	01	21	02	23	02	-	02	25
07/09/23	PF/FW	Natural farming	01	21	02	23	02	-	02	25
11/10/23	PF/FW	Role of bio-fertilizer in soil productivity	01	20	04	24	02	-	02	26
26/10/23	PF/FW	INM in wheat	01	20	04	24	02	-	02	26
Agri.Extension										
18/02/23	PF	Use of ICT tools in agriculture & allied	01	25	-	25	-	-	-	25
25/05/23	FW	Entrepreneurship development in agriculture and allied	01	-	25	25	-	-	-	25
05/08/23	PF	Farmer producer organization (FPO)	01	25	-	25	-	-	-	25
25/11/23	PF	Entrepreneurship development in agriculture and allied	01	25	-	25	-	-	-	25
Home Science										
17/01/23	FW	Value addition of vegetable /fruits	1	-	18	18	-	2	2	20
13/04/23	FW	Location specific drudgery reduction technologies	1	-	18	18	-	2	2	20
08/06/23	FW	House hold food security by Kitchen Gardening & Nutritional Gardening	1	-	18	18	-	2	2	20
11/08/23	FW	Women and child care	1	-	18	18	-	2	2	20
10/10/23	FW	House hold food security by Kitchen Gardening & Nutritional Gardening	1	-	18	18	-	2	2	20
12/12/23	FW	Value addition of vegetable /fruits	1	-	20	20	-	2	2	22

ii) Farmers & Farm women (Off Campus)

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
Crop Production										
22/03/23	PF	INM in summer pulses	01	22	-	22	03	-	03	25
15/04/23	PF	Preparation of Jivamrut/Ghanjivamrut	01	20	-	20	05	-	05	25
16/05/23	PF	HDP technology of Bt. Cotton cultivation	01	19	-	19	03	-	03	22
20/06/23	PF	Importance Natural farming	01	22	-	22	-	-	-	22
10/08/23	PF	INM in castor	01	17	-	17	05	-	05	22
24/10/23	PF	Natural Farming	01	22	-	22	03	-	03	25
25/11/23	PF	Weed management in wheat	01	25	-	25	-	-	-	25
20/12/23	PF	Uses of Waste Decomposer	01	-	20	20	-	01	01	21
Horticulture										
16/01/22	PF	Production technology of cole crops	01	20	-	20	05	-	05	25
25/3/22	PF	INM in chilli	01	20	-	20	05	-	05	25
20/6/22	PF	Production technology of mango	01	20	-	20	05	-	05	25
5/07/22	PF	Production technology of Aonla	01	20	-	20	05	-	05	25
11/07/22	PF	Production technology of citrus	01	20	-	20	05	-	05	25
20/10/22	PF	Production technology of vine vegetables	01	20	-	20	05	-	05	25
20/11/22	PF	Production technology of Okra	01	20	-	20	05	-	05	25
22/02/23	PF	Production technology of mango	01	20	-	20	05	-	05	25
Animal Husbandry										
17/01/23	PF/FW	Scientific dairy management	1	04	15	19	01	05	06	25
29/03/23	PF/FW	Care and Mgmt of dairy animals in summer	1	05	15	20	0	05	05	25
18/04/23	PF/FW	Diseases of dairy animals and their preventive measures	1	02	20	22	0	03	03	25
03/05/23	PF/FW	Importance of mineral mixture and deworming in dairy animals	01	8	8	16	3	6	9	25
16/08/23	PF/FW	Reproductive diseases and their remedial measures	1	6	9	15	5	5	10	25
05/10/23	PF/FW	Production technology of fodder crops	1	8	8	16	3	6	9	25
20/11/23	PF/FW	Care and Mgmt of dairy animals in winter	1	10	5	15	0	10	10	25
Soil Science										
20/01/23	PF	Method of Soil & water sampling	1	20	-	20	05	-	05	25
24/02/23	PF/FW	In-situ residue management	1	15	05	20	05	-	05	25
12/03/23	PF/FW	Method of Soil & water sampling	1	15	05	20	05	-	05	25
11/04/23	PF	Management of problematic soil	1	20	-	20	05	-	05	25
26/05/23	PF	Use of LCC in paddy	1	20	-	20	05	-	05	25
05/09/23	PF	Natural farming	1	20	-	20	05	-	05	25
01/11/23	PF	Methods for increasing nutrient use	1	20	-	20	05	-	05	25

		efficiency								
29/11/23	PF	Zn & Fe for soil, plant, animal & human health	1	20	-	20	05	-	05	25
08/12/23	PF	deficiency symptoms of nutrients in important crops	1	20	-	20	05	-	05	25
Agri.Extension										
22/03/23	PF/FW	Marketing strategies in natural farming	01	15	5	20	5	-	5	25
18/05/23	PF/FW	Farmer producer organization (FPO)	01	25	-	25	-	-	-	25
15/07/23	PF/FW	Marketing strategies in natural farming	01	10	10	20	3	2	5	25
21/09/23	FW	Use of ICT tools in agriculture & allied	01	-	20	20	-	5	5	25
Home Science										
17/02/23	FW	Women and child care	1	-	18	18	-	4	4	22
14/03/23	FW	Storage loss minimization techniques	1	-	18	18	-	2	2	20
20/05/23	FW	Value addition of vegetable /fruits	1	-	20	20	-	2	2	22
12/07/23	FW	House hold food security by Kitchen Gardening & Nutritional Gardening	1	-	18	18	-	2	2	20
9/09/23	FW	Location specific drudgery reduction technologies	1	-	18	18	-	4	4	22
11/11/23	FW	House hold food security by Kitchen Gardening & Nutritional Gardening	1	-	18	18	-	2	2	20

iii) Vocational training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Month	Duration (days)	No. of Participants			SC/ST participants			G.Total
					M	F	T	M	F	T	
Value addition	Processing technology	Enterpreneurship Development	Novem ber	10	-	10	-	-	-	-	10
Organic inputs	Organic products	Production of organic inputs	Septem ber	01	20	04	24	02	04	06	30
Total					**20**	**14**	**34**	**02**	**04**	**06**	**40**

iv) Training programme for extension functionaries

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
On Campus										
06/06/23	Agril. supervisors	Natural farming	01	30	04	34	05	02	07	41
15/10/23	VLWs	Production of Low cost Botanical extract	01	15	5	20	05	-	05	25
Total			**02**	**45**	**09**	**54**	**10**	**02**	**12**	**66**

v) Sponsored programmes

Discipline	Sponsoring agency	Clientele	Title of the training programme	No. of course	No. of participants			Number of SC/ST			G. Total
					M	F	T	M	F	T	
Sponsored training programme											
Agronomy	ATMA	PF	Natural farming	01	40	10	50	-	-	-	50
Total				**01**	**40**	**10**	**50**	**-**	**-**	**-**	**50**

Annexure - II

Details of Budget Estimate (2023-24) based on proposed action plan

S. No.	Particulars	BE 2023-24 proposed (Rs. In lakh)
1	**Recurring Contingencies**	
1.1	**Pay & Allowances**	210
1.2	**Traveling allowances**	2.0
1.3	**Contingencies**	
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	10
B	POL, repair of vehicles, tractor and equipments	
C	Meals/refreshment for trainees	15
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	
G	Training of extension functionaries	
H	Maintenance of buildings	
I	Establishment of Soil, Plant & Water Testing Laboratory	
J	Library	
	TOTAL Recurring Contingencies	237
2	**Non-Recurring Contingencies**	
2.1	**Works**	45
2.2	**Equipments including SWTL & Furniture**	10
2.3	**Vehicle** (Four wheeler/Two wheeler, please specify)	15
2.4	**Library** (Purchase of assets like books & journals)	
	TOTAL Non-Recurring Contingencies	70
3	**REVOLVING FUND**	
	GRAND TOTAL	307