

ICAR-ATARI, Pune
ANNUAL ACTION PLAN OF KVKs, Amreli
(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		E mail	Website address & No. of visitors (hits)
	Office	FAX		
Senior Scientist and Head Krishi Vigyan Kendra, Junagadh Agricultural University, Keriya Road, Model farm, Amreli (Gujarat)-365601	02792 227122		kvkamreli@gmail.com	www.jau.in

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

Address	Telephone		E mail	Website address
	Office	FAX		
Junagadh Agricultural University, Agril. Campus, Motibaugh, Junagadh-362001 (Gujarat)	0285 2672080-90	0285 2672004 2672653	-	www.jau.in

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

Name	Telephone / Contact		
	Office	Mobile	Email
Dr. N. S. Joshi Ph.D, Horticulture	02792 227122	9428191963	nileshjoshi2207@gmail.com

1.4. Date and Year of sanction:

Deputy Secretary, ICAR, New Delhi, Letter No. 13-16/2003/1, Dt. 7.12.2004

1.5. Staff Position (as on May, 2023)

Sr. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/ Others)
1	Senior Scientist & Head	Dr. N. S. Joshi	Senior Scientist and Head	Horticulture	15600-39100 G.P. 8000	24/03/2015	Permanent	General
2	Subject Matter Specialist	Dr. P. S. Jayswal	Subject Matter Specialist	Agriculture Engineering	15600-39100 G.P. 6000	10/09/2012	Permanent	General
3	Subject Matter Specialist	Dr. N. Tiwari	Subject Matter Specialist	Home Science	15600-39100 G.P. 6000	01/04/2013	Permanent	General
4	Subject Matter Specialist	Dr. P. J. Prajapati	Subject Matter Specialist	Crop Production	15600-39100 G.P. 6000	31/03/2015	Permanent	OBC
5	Subject Matter Specialist	Mr. V. S. Parmar	Subject Matter Specialist	Extension Education	15600-39100 G.P. 6000	12/05/2016	Permanent	ST
6	Subject Matter Specialist	Mr. N. M. Kachhadiya	Subject Matter Specialist	Plant Protection	15600-39100 G.P. 6000	-	Permanent	General
7	Subject Matter Specialist	Vacant	Subject Matter Specialist	Animal Science	-	-	-	-
8	Programme Assistant	Ms. K. K Gadhiya	Programme Assistant	Plant pathology	09300-34800	30/07/2018	Permanent	General
9	Computer Programmer	Shri S . N. Joshi	Computer Programmer	-	39900-126600	01/07/2010	Permanent	General
10	Farm Manager	Mr. S. G. Baria	Farm Manager	Agriculture	09300-34800	30/07/2018	Permanent	ST
11	Accountant	Shri H. J. Ravaliya	Accountant	-	39900-126600	01/12/2011	Permanent	SC
12	Stenographer	Vacant	Stenographer	-	-	-	-	-
13	Driver	Out sourcing	Driver	-	-	-	-	-
14	Driver	Out sourcing	Driver	-	-	-	-	-
15	Supporting staff	Out sourcing	Supporting staff	-		-		
16	Supporting staff	Vacant	Supporting staff	-	-	-	-	-

1.6. Total land with KVK (in ha):

S. No.	Item	Area (ha)
1	Under Buildings	3.50
2.	Under Demonstration Units	1.50
3.	Under Crops	12.50
4.	Orchard/ Agro-forestry	0.50
5.	Other if any (Specify	2.0
6.	Total	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.)	
1.	Administrative Building	ICAR	2008 2008	500	3190000	-
2.	Farmers Hostel	ICAR		305	2088000	
3.	Staff Quarters (6)	ICAR	2008	400	3204000	
4.	Farm Wall	ICAR	2008	-	-	
5.	RWH system	ICAR	2008	-	960000	
6.	Threshing yard	ICAR	2009	-	-	
7.	Godown and processing shed	RKVY	2009	70.62	500000	
8.	Poly House	RKVY	2010	320	281600	
9.	Net House	RKVY	2010	150	64450	
10.	Training hall	RKVY	2010	190.99	1396300	

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms Running	Present status
M&M, Bolero XL	2006	4,86,500	33132	Condition is not good
Tractor	2005	3,80,000	---	
Motor Cycle	2010	42,831	23569	Working condition
Power Tiller with implements	2011	1,42,000	---	
Mini Tractor with implements	2014	3,74,820	---	
M&M, Bolero XL	2020	7,81,025	303697	

C) Equipment & AV aids

Name of the equipment / Implements	Year of purchase	Cost (Rs.)	Present status
Digital camera	2008-09	11070	Working condition
Air assisted blast type sprayer	2008-09	98750	Working condition

Vacuum cleaner, RO, water cooler	2008-09	41780	Working condition
Samsung A/C, Nos.-2	2008-09	47300	Working condition
Fax machine	2008-09	17500	Working condition
LCD projector	2008-09	98799	Working condition
Winnowing fan	2008-09	8500	Working condition
Chaff cutter	2008-09	30188	Working condition
Plasma TV, Nos.-2 (21 and 52")	2008-09	139952	Working condition
Cotton stock shredder-Nos.-3	2008-09	363000	Working condition
Spiral binding machine	2008-09	9090	Working condition
Rotavator with cultivator, Nos.-2	2008-09	180000	Working condition
Inverter	2008-09	19800	Working condition
Manually operated seed dressing drum	2008-09	20930	Working condition
Exhibition display	2008-09	39974	Working condition
Decorticator groundnut machine	2008-09	98850	Working condition
Cotton shredder, Nos.-2	2008-09	242000	Working condition
Battery operated sprayer	2008-09	4940	Working condition
Aspee knapsack sprayer	2008-09	7400	Working condition
Bullock drawn pipe farm seed drill	2008-09	161000	Working condition
Zero till drill	2008-09	66725	Working condition
Bullock drawn clod breaker	2008-09	52000	Working condition
Tractor operated groundnut digger	2008-09	235500	Working condition
Multipurpose thresher (engine operated)	2008-09	114000	Working condition
Mobile seed processing unit	2008-09	1685000	Working condition
Electronic balance	2008-09	19425	Working condition
Power generated	2008-09	49500	Working condition
RO system	2008-09	24450	Working condition
Air condition Nos.-2	2008-09	51580	Working condition
Air condition, Nos.-3	2008-09	89970	Working condition
Photo copier	2008-09	124000	Working condition
LCD and accessories	2008-09	103912	Working condition
Oven and freeze	2008-09	30605	Working condition
Tractor drawn harrow cum cultivator	2008-09	75000	Working condition
Planter	2008-09	44000	Working condition
Rotavator	2008-09	96000	Working condition
Laptop	2008-09	47500	Working condition
Pipe frame blade harrow piece	2008-09	11000	Working condition
Solar equipments	2008-09	81830	Working condition
Gas connection for lab.	2009-10	9700	Working condition
Digital Sony Camera	2009-10	24750	Working condition
Post Whole Digger	2009-10	38000	Working condition
Motor, 1 Hp	2009-10	8650	Working condition
Power Generator	2009-10	45576	Working condition

Multi Crop thresher	2010-11	38000	Working condition
BOD incubator	2010-11	75863	Working condition
Compound light microscope	2010-11	90851	Working condition
Motor 7.5 Hp	2010-11	28600	Working condition
Motor 5 Hp	2010-11	17000	Working condition
Desktop Computer	2010-11	34810	Working condition
Hot air Oven	2010-11	15215	Working condition
Hot plate	2010-11	4725	Working condition
Physical Balance	2010-11	3623	Working condition
Refrigerator	2010-11	19200	Working condition
PH meter	2010-11	3990	Working condition
Conductivity bridge	2010-11	9450	Working condition
Chemical Balance	2010-11	45066	Working condition
Shaker-2 no.	2010-11	49000	Working condition
Flame Photometer	2010-11	44887	Working condition
Spectrophotometer	2010-11	39480	Working condition
Water Distillation Still	2010-11	157500	Working condition
Seed Drill	2010-11	27500	Working condition
Winnower	2010-11	37000	Working condition
Disc Plow	2012-13	30400	Working condition
Disc Harrow	2012-13	37500	Working condition
Nine tine Cultivator	2012-13	19600	Working condition
PC with Accessories (2 No.)	2013-14	65970	Working condition
Printer (2 No.)	2013-14	13898	Working condition
Scanner	2013-14	4309	Working condition
PC with Accessories (2 No.)	2015-16	77590	Working condition
Printer	2015-16	11900	Working condition
Rotavator (NICRA)	2015-16	70000	Working condition
Mobile shredder(NICRA)	2015-16	146000	Working condition
Chaff cutter(NICRA)	2015-16	57000	Working condition
Multi crop thresher(NICRA)	2015-16	155000	Working condition
Rear mounted reaper (NICRA)	2015-16	95000	Working condition
Digital Camera	2016-17	14400	Working condition
Desktop Computer	2016-17	34115	Working condition
Printer	2016-17	12546	Working condition
Automatic seed cum fertilizer drill(NICRA)	2016-17	66412	Working condition
Dibbler (03 nos.)	2016-17	6000	Working condition
Seed dressing drum (5 nos.) (NICRA)	2016-17	15000	Working condition
Rotavator (NICRA)	2016-17	89040	Working condition
Bund former (NICRA)	2016-17	13650	Working condition
Air conditioner (02 nos.)	2016-17	79980	Working condition
Desktop Computer	2016-17	34115	Working condition

Photo copier	2016-17	144391	Working condition
Integrated community computer	2016-17	110644	Working condition
Multi crop thresher	2017-18	187040	Working condition
Computer with UPS	2017-18	42889	Working condition
Computer with UPS (2 Nos.)	2018-19	88400	Working condition
Printer	2018-19	11416	Working condition
UPS (2 Nos.)	2018-19	9000	Working condition
Bolero Jeep	2019-20	781025	Working condition
MB Plough (NICRA)	2019-20	33143	Working condition
Designer table (2 Nos.) (DAMU)	2019-20	32000	Working condition
Almirah (DAMU)	2019-20	13000	Working condition
Revolving chair (2 Nos.) (DAMU)	2019-20	24998	Working condition
Desktop computer (DAMU)	2019-20	42532	Working condition
UPS (2 nos.) (DAMU)	2019-20	3598	Working condition
Printer (DAMU)	2019-20	21110	Working condition
Flamephotometer	2020-21	52255	Working condition
Spectrophotometer	2020-21	285000	Working condition
pH meter	2020-21	24499	Working condition
Keyboard	2021-22	2650	Working condition
Hard disk (2 nos.)	2021-22	8900	Working condition
Smart television	2021-22	149512	Working condition
Galvanized steel sheet (6 nos.)	2021-22	17100	Working condition
DSLR camera	2021-22	66750	Working condition
Outdoor watertank (5000 liter capacity)	2021-22	36000	Working condition
Ceiling fan (5 nos.)	2021-22	9605	Working condition
Mini dal mill (2 nos.) (ARYA)	2021-22	290290	Working condition
Flour mill kit (2 nos.) (ARYA)	2021-22	99396	Working condition

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

Sl.No.	Particulars	Proposed date of meeting
1	Scientific Advisory Committee – Meeting 1	02/02/2023

2. DETAILS OF JURISDICTION AREA UNDER KVK (No. of talukas): 11

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

S. No	Farming system/enterprise
1	Dry Farming
2	Rainfed : Cotton, Groundnut, Sesame, Black gram, Green gram, Mango, Onion
3	Agriculture – Horticulture (Mango)
4	Agriculture – Dairy
5	Agriculture – Fisheries
6	Cotton based cropping system

7	Groundnut based cropping system
8	Sesame based cropping system
9	Enterprise: Poultry, Fishery, Dairy, Sericulture, Vermicompost

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	North Saurashtra Agro climatic Zone VI	Medium black soil, coastal alluvial soil, rocky soil and alkaline soil The climate of the district varies from moderately hot throughout the year except in winter. The climate is humid along with the coastal belt. The temperature varies from 8.01° Celsius in January to 43.7° Celsius in May. The average rainfall of last three years is 706 mm.

b. Topography

S. No.	Agro ecological situation	Characteristics
1	Medium black soil with 400-700 mm rainfall	-
2	Shallow black soil with 600-700 mm rainfall	-
3	Saline - alkali (Heavy texture) soil with 500-600 mm rainfall	Saline groundwater

2.3. Soil Types

S. No	Soil type	Characteristics
1	Medium black	Major portion of the district is covered by the medium black soil, which is considered very productive. It is rich in lime, magnesia and alumina but poor in phosphorus, nitrogen and organic matters. It can retain considerable moisture and is much suitable for agriculture.
2	Coastal alluvial	The coastal alluvial soil is found on the coastal areas of Jafrabad and Rajula. Among the whole of the coastal areas, the land is sandy. However, the soils in Rajula and Jafrabad are less productive as they are saline. The soils in the northern part of the district including Babra and parts of KunkavavVadia and Dhari talukas are shallow and rocky. Certain areas in Amreli taluka known as Kharapat are poor in cultivation; but this taluka possesses the best land along the north and the south banks of the Shetrunji.
3	Rocky soils	The soil of Dhari taluka is lighter and near the Gir forest redder. The soil on the southern part of the district is light in colour with only few fertile gradients, and in many places, it is rocky and barren.

2.4. Area, Production and Productivity of major crops cultivated in the district (Ref. Year 2022)

S. No	Crop	Area (ha)	Production (000 T)	Productivity (Kg/ha)
Major Field crops				
1	Green gram	71.25	65.89	924.74
2	Tur (Red Gram)	19.49	26.66	1368.00
3	Wheat	318.60	1182.13	3710.39
4	Gram	802.07	1607.81	2004.58
5	Groundnut	1866.32	3140.06	1682.49
6	Sesame	246.98	120.86	489.37
7	Castor	6.66	13.72	2060.26
8	Irrigated Cotton (Lint)	2157.53	5964.81	469.99
9	Unirrigated Cotton(Lint)	1155.82	2149.77	316.19
10	Cumin	53.19	23.95	450.20
11	Onion	116.46	4074.11	34982.95
12	Garlic	23.53	188.74	8021.23
13	Bajra	52.93	109.77	1894.85
14	Udad	16.73	12.34	737.40
15	Math	0.16	0.08	521.46
16	Soybean	6.59	8.95	1357.46
17	Sugarcane	0.42	29.82	71000.00
Major Horticultural crops				
1	Mango	6804	55521	8160
2	Sapota	376	2940	7820
3	Citrus	690	7638	1107
4	Ber	109	822	7540
5	Banana	110	4319	3926
6	Guavava	275	2236	8130
7	Pomegranate	104	499	4800
8	Date palm	14	2	160
9	Papaya	80	3040	3800
10	Custard Apple	47	400	8510
11	Aonla	20	207	1036
12	Coconut	107	868	8110
13	Onion	15700	400350	2550
14	Brinjal	2334	42012	1800
15	Cabbage	903	18241	2020

16	Okra	1625	14625	9000
17	Tomato	2016	46368	2300
18	Cauliflower	459	6197	1350
19	Cluster bean	1307	10456	8000
20	Cow Pea	845	13385	15840
21	Cucurbits	2409	21268	8830
22	Cumin	3800	2736	720
23	Chilli-Dry	376	846	2250
24	Garlic	5900	42716	7240
25	Coriander	7400	10952	1480
26	Ginger	04	70	17500
27	Turmeric	29	493	17000
28	Fenugreek	29	48	1670
29	Ajwain	190	171	900
30	Rose	23	163	7070
31	Marigold	08	58	7200

Source: 1- District-wise Area, Production and Yield of Important Food & Non-food Crops in Gujarat State Year: 2020- 21

Source: 1- District-wise Area, Production and Yield of Important Food & Non-food Crops in Gujarat State

Year: 2020- 21

Source: 1- District-wise Area, Production and Yield of Important Food & Non-food Crops in Gujarat State

Year: 2020- 21

2.5. Weather data (2022)

Month	Rainfall (mm)	Temperature°C		Relative Humidity (%)	
		Maximum	Minimum	Maximum	Minimum
January 2022	1	0	27.1	13.3	83.2
February 2022	0	0	31.6	15.5	88.7
March 2022	0	0	38.6	21.5	61.6
April 2022	0	0	42.0	24.7	79.3
May 2022	0	0	40.9	27.0	89.5
June 2022	32	1	37.9	26.8	93.3
July 2022	263.5	16	31.4	25.6	99.9
August 2022	101	8	31.7	25.2	100.0
September 2022	215	9	33.0	24.3	100.0
October 2022	7.5	1	34.7	22.2	91.1
November 2022	0	0	32.9	17.8	80.8
December 2022	0	0	30.1	16.3	69.5
Total	620	35	34.3	21.7	86.4

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

Livestock	Milk Production in percent	State share (in %)
Crossbred cows	10.00	Rank 21(0.24 %)
Indigenous cow	167.59	Rank 08 (5.18%)
Buffalo	188.20	Rank 19 (2.51%)
Goats	11.38	Rank 10 (3.43 %)
Total	377.7	1031 Tonnes/day Rank 18 (2.47 %)

Source: 37th issue on estimates of major livestock products for the year 2019-20, Gujarat state.

2.7. Details of Operational area / Villages

Name of Taluka	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
Liliya	Hathigadh	Groundnut, Cotton, Sesamum, Wheat, Cumin, Chickpea, Garlic, Onion, Mango, lemon Enterprises are dairy business, vermi composting,	Heavy infestation of sucking pest in cotton, Sesame leaf blight, Stem rot disease in Groundnut, Mango Malformation, Less area under Horticultural crops.	*IPM and INM in major crops of this area, *Motivate the farmers for arid Horticultural Crops. *To create the awareness for grading, processing and marketing (value addition)
Amreli	Jasvantgadh			
Amreli	Randhiya			
Khambha	Ingorala			
Kukavav	Devgam			
Amreli	Rikadiya			
Babra	Kuvargadh			
Savarkundla	Ramgadh			
Savarkundla	Dhajda			
Babra	Jambarvada			
Kukavav	KhadKhad			
Bagasra	Rafala			
Babara	Sukhpar			
Dhari	Fachariya			
Lathi	Sekhipariya			

2.8. Priority thrust areas:

Major crops & enterprises	Major problem identified	Identified Thrust Areas
Cotton, Groundnut, Castor, Cumin, Wheat, vegetables, fruits, etc.	Pink boll worm, white grub, castor semilooper cumin wilt, Chillithrips/mite, brinjal fruit & shoot, borer	Integrated Crop Management in major crops
Farm waste	Burning of Farm waste	Recycling of farm waste through composting, vermi-compost, green manuring, etc.
Micro irrigation	Fertigation and maintenance	Efficient use of water by micro irrigation system, water harvesting structure, and water conservation techniques
Soil	saline & alkaline soils	Reclamation of saline & alkaline soils
Farm Women	Awareness and lack of knowledge	Farm women empowerment by training in value addition, handicrafts, and small scale enterprises

Horticulture	Unseasonal rainfall	Promotion of arid horticulture fruit crops
Improved Implements	Use of traditional method	Popularization of the mechanized technological know how

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
9	46	112.0	410

Training		Extension Activities	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
98	3845	1579 (including 1144 Agro met advisory)	8810

Seed Production (Qtl.)	Planting material (Nos.)	Livestock, poultry strains and Fish seed prod. (No's)	Soil, water and plant Samples
(5)	(6)	(7)	(8)
167	--	--	120

3.1. B. Operational areas details proposed during 2023

S.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	Proposed Intervention (OFT, FLD, Training, extension activity etc.)*
1.	Groundnut, Cotton, Sesamum, Wheat, Cumin, Chickpea, Garlic, Onion, Mango, Lemon Enterprises are dairy business, Vermi composting	Heavy infestation of sucking pest in cotton, Sesame leaf blight, Stem rot disease in Groundnut, Mango Malformation, Less area under Horticultural crops	Every village of this district is facing problem	Hathigadh	<ul style="list-style-type: none"> IPM and INM in major crops of this area, Motivate the farmers for arid Horticultural crops. To create the awareness for grading, processing and marketing (value addition)
2.				Jasvantgadh	
3.				Randhiya	
4.				Ingorala	
5.				Devgam	
6.				Rikadiya	
7.				Kuvargadh	
8.				Ramgadh	
9.				Dhajda	
10.				Jambarvada	
11.				KhadKhad	
12.				Rafala	
13.				Sukhpar	

14.				Fachariya	Various OFT, FLD, trainings, extension activities were carried out
15.				Sekhipariya	

* 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	Flow er	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation	1	2	2	2	1					8
Seed / Plant production										0
Weed Management										0
Integrated Crop Management										0
Integrated Nutrient Management										0
Integrated Farming System										0
Mushroom cultivation										0
Drudgery reduction										0
Farm machineries		1			1					2
Value addition										0
Integrate										0

d Pest Manage ment										
Integrate d Disease Manage ment										0
Resource conservat ion technolo gy					1	1				2
Small Scale income generatin g enterpris es										0
TOTAL	1	3	2	2	3	1	0	0	0	12

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

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Wormi culture	Fisheries	TOTAL
Evaluation of Breeds								
Nutrition Management								
Disease of Management				Nil				
Value Addition								
Production and Management								
Feed and Fodder								
Small Scale income generating enterprises								
TOTAL								

B. Details of On Farm Trials/ Technology Assessment proposed during 2023

S. No.	Crop/enterprise	Prioritized problem	Title of OFT	Technology options	Source of Technology	Name of critical input	Qty per trial	Cost per trial (Rs)	No. of trials	Total cost for the intervention (Rs.)	Parameters to be studied	Team members
1	Groundnut	Farmers do not adopt natural farming	Effect of natural farming practices on yield of groundnut.	T1: Foliar spray of Panchagavya @ 3% at 30, 45 and 60 DAS T2: Seed treatment: Bijamrut, Soil application: Ghan Jivamrut 250 kg/ha, Drenching of Jivamrut @ 5% at 30, 45 and 60 DAS, Plant protection: Agniastra, Brahmastra and Neemastra, as & when	Department of Agronomy, JAU, Junagadh	Materials provide for Bijamrut, Jivamrut and Panchgavya preparation	-	1900	5	9500	Yield and BC ratio	Senior Scientist and all discipline Scientists

				required								
2	Wheat	Farmers use more nitrogen , So the price of nitrogen increases. Nano urea is the best option to reduce the cost.	Effect of nano urea on growth and yield of wheat	T1- Use only DAP and Urea in various dose (Farmers Practices) T2-120-60-60 NPK kg/ha (Recommended Practices) T3-60-60-60 NPK kg/ha+ Nano urea @ 4 ml/lit. at 1st spray at 30-35 DAS and 2nd spray 50-55DAS (Intervention) Note –Basal dose as per fertilizer recommendation. Reduced only top-	IFFCO	Nano Urea (4%)	1L	480	5	2400	Yield and BC ratio	Senior Scientist and all discipline Scientists

				dressed Urea applied in 2-3 splits.								
3	Onion	Farmers do not use water-soluble fertilizer and Novel organic liquid	Effect of water-soluble fertilizer (19-19-19 N-P-K) and Novel organic liquid nutrient on yield of onion	T1. Use only DAP and Urea in various dose (Farmers Practices) T2.75-60-50-15 NPKS kg/ha (Recommended Practices) T3.75% RDF (56-45-37.5-15 kg N-P2O5-K2O-S/ha) + 1% foliar spray of (19-19-19% N-P-K) and 1% Novel organic liquid nutrient at 45 and 60 day after	Vegetable Research Station, Junagadh Agricultural University			1100	05	5500	Yield and BC ratio	Senior Scientist and all discipline Scientists

				transplanting								
4	Chickpea	Injudicious use of pesticides	Higher dose of chemicals increase the input cost and Higher Residue	<p>T-1 Spraying of Emamectin Benzoate 5 SG @ 10-15 gm / 10 lit or Chlorantraniliprole 18.5 % SC 8-10 ml/ 10 lit</p> <p>T-2 Spraying of Chlorantraniliprole 18.5 % SC 3.25 ml/10 lit + Neem oil 0.5% 50 ml/10 lit at ETL (0.75 larve/plant before flowering and 0.50 larve/plant after flowering) and second spray of the same after 20 days</p>	JAU, Junagadh	Chlorantraniliprole, HaNPV, Neem oil		1500	3	4500	<p>1. No of larvae/plant 1mt. row length</p> <p>2. Yield(Q/ha)3. BCR</p>	Senior Scientist and all discipline Scientists

				T3- Spraying of HaNPV 250@ LE/ha + Neem oil 0.5 % 50 ml/ lit at ETL and second and third spray of the same after 20 days								
5	Bt. Cotton	Development of resistance power of sucking pest against chemical pesticides and high residue	Management of sucking pests by Neemashta a tool of natural farming in Bt. cotton	<p>T1 Spraying of chemical Pesticides (Flonicamid 50WG@ 7 gm/lit, imidacloprid 17.5 SL @ 40 ml/10 lit at 30, 45, 60 DAS</p> <p>T2 Spraying of Neemashta @ 30 ml/lit. water (3 lit/100 lit water) at 30,45,60 & 80 DAS</p>	SPNF	Neemashta		1250	3	3750	1. No of sucking pest /leaf 2. Yield (Q/ha)3. BCR	Senior Scientist and all discipline Scientists

6	Groundnut seeds	Farmers do not store groundnut seed properly	Effect of Packaging material on seed quality of groundnut seeds	T1- Loose heap storage (farmer practices) T-2 Use of Purdue Improved Crop Storage (PICS) bags for storage (Recommended Practices)	JAU Recommendation and interaction with scientists	PICS bags	01	500	05	2500	Insect Infestation, C:B ratio	Senior Scientist and all discipline Scientists
7	Farm woman	Lack of knowledge	Preservation techniques of different pulses with organic methods	1. Use of Neem leaves 2. Use of Castor oil 3 Use of airtight bag with pulses	IRRI-2011	Neem leaves Castor oil Airtight bag		1000	10	10000	Quality of stored grain, damage percentages	Senior Scientist and all discipline Scientists
8	Sitting type ground nut decorticator	Hand shelling of ground nut involve	Drudgery reduction of farm women by using sitting type ground nut	T1- Farmers practice (Hand shelling of ground nut)	CIAE, Bhopal	Sitting type ground nut decorticator	1 No	3500	05	17500	Health hazard, Heart rate, energy expendit	Senior Scientist and all discipline Scientists

		health hazard, time consumption and money consumption	decorticator technology	T2- Use of sitting type ground nut decorticator technology							ure, cardiac cost of work (CCW) and shelling time kg/hr	
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3.3. Frontline Demonstrations

A. Details of FLDs to be organized (Oilseeds, pulses, cereals, cotton, commercial crops, horticulture crops, vegetables, spices and condiments, fodder crops, etc)

Sl. No.	Crop	Variety	Thematic area	Technology for demonstration	Critical inputs with cost (Rs.)	Season and year	Area (ha)	No. of farmers/demon.	Parameters identified
1	Castor	GCH-9	Varietal Evaluation	Variety	Seed	Khari f 2023	4	10	Yield
2	Cotton	Gujarat Cotton Hybrid-24	Varietal Evaluation	Variety	Seed		4	10	Yield
3	Bajra	GHB-1129	Varietal Evaluation	Variety	Seed		4	10	Yield
4	Soybean	GJS-3	Varietal Evaluation	Variety	Seed		4	10	Yield
5	Coriander	GC-2/3	Varietal Evaluation	Variety	Seed	Rabi-2023	4	10	Yield
6	Cucumber / sweet melon/ chilli/tomato	Plastic mulch	Resource conservation	Resource conservation	Plastic mulch	Summer 2024	4	10	Yield
7	Sesame	GJT-5	Varietal Evaluation	Variety	Seed		4	10	Yield
8	Black gram	Guj. Urd-2	Varietal Evaluation	Variety	Seed		4	10	Yield
9	Green gram	GM-4/GAM-5	Varietal Evaluation	Variety	Seed		4	10	Yield
10	Seed dressing drum	-	Farm mechanization	Farm mechanization	Farm machinery	Khari & Rabi	-	05	Reduction of Drudgery

						2023			hile using implement
11	Okra harvester	-	Small tool	Small tool	Farm machinery		-	05	Reduction of Drudgery while using implement
12	Drumstick Harvester	-	Farm implement	Farm implement	Farm implement		-	05	Reduction of Drudgery while using implement
13	Vegetable Kit	-	Varietal Evaluation	Variety	Vegetable Seeds		200sq.	200	Average production rate, rate (Rs./Kg.) and total income saving

B.Sponsored Demonstrations (CFLDs on O & P/Others projects FLD, proposed for 2023)

Dispersed Demonstrations (OFEDs on C & P) Others projects FLD, proposed for 2023					
S. No.	Crop	Variety	Season and Year	Area (ha)	No. of farmers
1.	Agricultural Technology Information Centre (ATIC)				
	Cotton	IPM (Cotton Inputs Beauveria ,Azadirechtin, Pheromone trap)	Kharif 2023	5.0	20
	Groundnut	IPM (Metarhizium, Beauveria ,Azadirechtinchloropyriphos		5.0	20
	Sesame	GT-6		2.5	10
	Groundnut	GJG-32		5.0	20
	Wheat	GJW-463	Rabi 2023	6.25	25
	Gram	GG-5		6.25	25
	Total			30	120
3.	Cluster base FLD of Rabi Pulses under NFSM				
	Pigeon pea	GJP-1	Rabi 2023	10	25
	Gram	GJG-7		20	50
	Total			30	75
4.	National Mission on Oilseeds and Oil Palm (NMOOP)				
	Groundnut	GJG- 32	Kharif 2023	20	50
	Total			20	150

C. Extension and Training activities under FLDs

S.	Activity	No. of	Month	Number of participants
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No.		activities		
1	Field days	15	During particulars Season	200
2	Farmers Training	16		350
3	Media coverage	-		-
4	Training for extension functionaries	6		150

D. 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
Cotton shredder	Cotton	2023	10	4	Cotton shredder	Field capacity

E. Livestock and Fisheries Enterprises

Enterprise	Breed	No. of farmers	No. of animals, poultry birds etc.	Critical inputs	Performance parameters / indicators
NIL					

F. Other Enterprises (Mushroom, Apiculture, Sericulture, Vermicompost, Value Addition, Women empowerment, etc)-

Enterprise	Technology demonstrated	No. of farmers	No. of units	Critical inputs	Performance parameters / indicators
NIL					

3.4.Trainings including on, off, vocational, RY and EF proposed for year 2023.

A. ON Campus

S. No.	Date	Title of training	Duration (Days)	No. of Participants		
				Male	Female	Total
PF						
1.	20/01/23	Household food security by kitchen gardening and nutrition gardening	01	00	35	35
2.	14/03/23	Design and development of low/minimum cost diet	01			
3.	27/03/23	Nursery raising	01	00	35	35
4.	13/03/23	Fertilizers recommendation based on soil analysis	01			
5.	14/03/23	Scientific cultivation of summer crops	01	25	10	35
6.	17/01/23	Integrated approach for management to control of fall army worm in maize	01	20	15	35
7.	19/02/23	Awareness regarding organic farming	01	30	05	35
8.	10/03/23	Installation and maintenance of micro irrigation systems	01	30	05	35

9.	30/04/23	Minimization of nutrient loss in processing	01	00	35	35
10.	15/05/23	Cultivation of Fruit	01	25	10	35
11.	15/04/23	Cow based organic fertilizers preparation	01	20	15	35
12.	01/06/23	Importance of organic pesticides	01	30	05	35
13.	30/06/23	Upgrade the knowledge of farmers about ICT	01	30	05	35
14.	15/06/23	Soil & Water Conservation technologies	01	28	07	35
15.	01/07/23	Women and Child Care	01	00	35	35
16.	25/07/23	Value addition of millet	01	17	18	35
17.	11/07/23	Preparation of Jivamrut and Bijamrut	01	20	15	35
18.	10/08/23	Use and Importance of Bio fertilizers	01	30	05	35
19.	02/07/23	Nursery Management	01	30	05	35
20.	22/09/23	Integrated Disease Management of <i>rabi</i> crops	01	28	07	35
21.	27/09/23	Upgrade the knowledge about new varieties of <i>rabi</i> crops and its cultivation practices	01	30	05	35
22.	07/07/23	Rainwater harvesting & groundwater recharge methods	01	17	18	35
23.	23/08/23	Farm machineries for farm women	01	19	16	35
24.	03/10/23	Value addition	01	00	35	35
25.	10/10/23	Location specific drudgery reduction technologies	01	17	18	35
26.	08/11/23	Post harvest technology and value addition	01	20	15	35
27.	23/11/23	Production and Management technology	01	30	05	35
28.	05/10/23	Scientific cultivation of Rabi crops	01	30	05	35
29.	02/12/23	Botanical Pesticides	01	28	07	35
30.	12/12/23	Entrepreneurship development	01	30	05	35
31.	22/12/23	Post harvest technology and small scale value addition	01	17	18	35

B. Off campus

B. On campus						
S. No.	Date	Title of training	Duration (Days)	No. of Participants		
				Male	Female	Total
PF						
1.	21/02/23	Household food security by kitchen gardening and nutrition gardening	01	00	45	45
2.	24/02/23	Value addition of fruits and vegetables	01	00	45	45

3.	02/03/23	Nursery raising	01	36	09	45
4.	21/01/23	Natural farming in horticulture crop	01	32	13	45
5.	02/03/23	Soil and water analysis	01	30	15	45
6.	06/03/23	Integrated Nutrient Management in summer crops	01	35	10	45
7.	21/02/23	Advance techniques of pest management	01	00	45	45
8.	24/02/23	Natural farming	01	00	45	45
9.	02/03/23	Upgrade knowledge on seed treatment	01	36	09	45
10.	21/01/23	Natural farming	01	32	13	45
11.	02/03/23	Installation and maintenance of micro irrigation systems	01	30	15	45
12.	06/03/23	Rain water harvesting	01	35	10	45
13.	12/04/23	Design and development of low/minimum cost diet	01	00	45	45
14.	20/04/23	Location specific drudgery reduction technologies	01	10	35	45
15.	17/05/23	Layout and Management of Orchards	01	36	09	45
16.	20/05/23	Preparation procedure of liquid organic fertilizer	01	32	13	45
17.	30/05/23	Organic farming certification procedure	01	37	08	45
18.	06/06/23	Method demonstration of organic product	01	35	10	45
19.	14/06/23	Market intelligence	01	35	10	45
20.	28/06/23	Efficient utilization of irrigation water	01	37	08	45
21.	06/07/23	Value addition	01	00	45	45
22.	12/07/23	Women and child care	01	10	35	45
23.	30/07/23	Package of practices of rabi crops	01	36	09	45
24.	25/08/23	Natural farming	01	32	13	45
25.	15/09/23	Bio -Pesticides	01	37	08	45
26.	19/08/23	Awareness about FPO & it's formation	01	35	10	45
27.	16/09/23	Small scale processing and value addition	01	35	10	45
28.	09/09/23	Use of Plastics in farming practices	01	37	08	45
29.	06/10/23	Design and development of low/minimum cost diet	01	00	45	45
30.	23/12/23	Women empowerment	01	36	09	45
31.	07/11/23	INM in rabi crops	01	32	13	45
32.	26/10/23	Sucking pest management in Rabi crops	01	37	08	45

33.	14/12/23	Entrepreneurship Development	01	35	10	45
34.	30/12/23	Post Harvest Technology	01	35	10	45
35.	11/12/23	Renewable energy source utilization on farm	01	37	08	45

C. Rural Youth

CV Rural Path							
S. No.	Date	Title of training	Venue On/Off	Duration (Days)	No. of Participants		
					Male	Female	Total
RY							
1.	01/03/23	Natural Farming	On	01	30	05	35
2.	28/03/23	Plant Protection Appliances/ Equipments and Natural Farming		01	20	05	25
3.	13/06/23	Value addition (Agriculture Engineering)		01	35	10	45
4.	11/08/23	Vermi -composting		01	45	20	65
5.	24/04/23	Value addition of millet		01	00	45	45
6.	13/09/23	Natural Farming	Off	01	40	10	50
7.	23/09/23	Plant Protection Appliances/ Equipments and Natural Farming		01	25	5	30
8.	13/12/23	Value addition (Agriculture Engineering)		01	30	15	45
9.	27/09/23	Vermi -composting		01	50	15	65
10.	22/11/23	Value addition of millet		01	00	45	45

D. Extension functionaries

D. Extension functionalities							
S. No.	Date	Title of training	Venue On/Off	Duration (Days)	No. of Participants		
					Male	Female	Total
RY							
1.	21/04/23	Communication skill and use of ICT equipment	On	01	25	15	40
2.	22/05/23	Income generation activities		01	00	35	35
3.	03/11/23	Communication skill and use of ICT equipment	Off	01	30	10	40
4.	06/11/23	Income generation activities		01	00	35	35

E. Vocational Training:

S. N.	Title of training	No. of training	Duration (Days)	No of Participants	Type of Participant
1	Value addition of millets (International Year of millet)	01	04	35	FW & RY
2.	Value addition of fruit	01	04	35	FW & RY

	products				
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F. Sponsored/ Collaborative Training:

S.N.	Title of training	No. of Training	No. of Participant	Type of participant
1	Integrated management of fall army worm in maize	01	40	PF
2	Role of Trichoderma, Beauveria, bossiana and metarhiumanisoplie and its uses	01	40	PF
3	Scientific production of kharif crops	01	40	PF
4	Use of mass media	01	30	PF
5	Scientific cultivation of cotton	01	30	PF
6	Entrepreneurship development	01	35	FW
7	Use of soil health card	01	35	PF
8	Value addition millets	01	40	FW/PF
9	Micro Irrigation System Maintenance	01	40	PF
10	Value addition of fruits and vegetables	02	70	FW
11	Natural Farming	02	80	PF/FW
12	Value addition of fruits	01	40	FW
13	Value addition of vegetable	02	40	FW
Total		16	560	

3.5. Extension Activities (including activities of FLD programmes)

S. No.	Major Extension Activities planned	No. of activities	Proposed date /week	Venue (On / Off / Online)	Expected No. of participants
1.	Field Day and field visit	30	Year -2023 (Whole year)	Off	496
2.	KisanGosthi	05		On and Off	07
3.	Radio talk	70		On and Off	---
4.	TV show	05		On and Off	----
5.	Khedutshibir	10		On and Off	325
6.	Newspaper coverage	25		--	---
7.	Diagnostic service	13		Off	125

8.	Advisory service	25		Off	---
9.	Agro-met Advisory service weather bulletin	1144		Online	1144
10.	Popular articles	05		----	----
11.	Extension Literature	04		----	----
12.	Group discussions	09		On and Off	189
13.	Film Show	10		On and Off	----
14.	Scientists' visit to farmers field	50		Off	764
15.	Farmers visit to KVK	25		On	588
16.	Ex-trainees Sammelan	02		On & Off	184
17.	Farmers' seminar/workshop	02		On & Off	226
18.	Celebration of important and special days	15		On & Off	1275
19.	Exposure visits	05		On & Off	231
20.	Others (Pl. Specify) Lecture Delivered	125		On & Off	3256

3.6. Target for Production and supply of Technological products

A. SEED MATERIALS

Sr. No.	Crop	Variety	Date of sowing / Planting	Date of harvest	Quantity (qtl.)
1.	Groundnut	GJG-22	02/07/2023	29-30/10/2023	85.8
2.	Sesame	GJT-5	17/07/2023	10-11/10/2023	5.0
3.	Wheat	GW-463/451	23/11/2023	18-21/03/2024	58.3
4.	Gram	GG-5	20/11/2023	24/03/2024	18.0

B. PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)
NIL			

C. Bio-products

C.210 Products				
Sl. No.	Product Name	Species	Quantity	
			Kg	Lit
NIL				

D. LIVESTOCK-

Sl. No.	Type	Breed	Quantity (No.)
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CATTLE	NIL
GOAT	
SHEEP	
POULTRY	
PIGS	
FISHERIES	
ANY OTHER (Pl. specify)	

4. Literature to be Developed/Published

A. Literature developed/published

S.No.	Topic	Number
1	Research papers	10
2	Technical reports	07
3	News letters	04
4	Training manuals	01
5	Popular articles	20
6	Extension literature	05
7	E-publication	10
8	Any other (Please specify)	0
	Total	57

B. 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 clipping	Drip irrigation in pulse crop	1
2.	Video clipping	Soil Analysis	1
3.	Video clipping	Value Addition	1
4.	Video clipping	Natural	1

C. Details of social media platforms to be started / continued

S. No.	Type of social media platform	Title / Purpose	Number
1	YouTube Channel	Junagadh Agricultural University	1
2	Facebook page	Krishi Vigyan Kendra, Amreli	1
3	Mobile Apps	0	0
4	WhatsApp groups	To send information to farmers	25
5	Twitter Account	Krishi Vigyan Kendra, Amreli	1
6	Any other (Pl. Specify)	0	0

D.Success stories/Case studies identified for development as a case (Based on previous years success)

S. No.	Title of success story / case study identified	Proposed month for case/story to be prepared/ developed
1.	Natural farming	October 2023, March 2024
2.	Value addition	

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

A. Practicing Farmers

- a) Interview schedule
- b) Farmer group discussion
- c) Observation

B. Rural Youth

- a) Interview schedule
- b) Focus group
- c) Difficulty analysis

C. In-service personnel

- a) Interview schedule
- b) Focus group
- c) Difficulty analysis

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 farmer's 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)–

1	Hathigadh	Liliya
2	Jasvantgadh	Amreli
3	Randhiya	Amreli
4	Ingorala	Khambha
5	Devgam	Kukavav
6	Rikadiya	Amreli
7	Kuvargadh	Babra
8	Ramgadh	Savarkundla

9	Dhajda	Savarkundla
10	Jambarvada	Babra
11	KhadKhad	Kukavav
12	Rafala	Bagasra
13	Sukhpar	Babara
14	Fachariya	Dhari
15	Sekhipariya	Lathi

- ii. No. of farm families selected per village: 450
- iii. No. of survey/PRA conducted: 04
- iv. No. of technologies taken to the adopted villages: 12
- v. Name of the technologies found suitable by the farmers of the adopted villages:
 - New varieties,
 - Vermi compost,
 - Value addition & Marketing,
 - IPM,
 - IDM,
 - INM,
 - IFS,
 - Farm machinery
 - Mulching
 - Resource conservation
 - ICT
 - Natural Farming

vi.- Impact (production, income, employment, area/technological– horizontal/vertical):**NIL**

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

6. LINKAGES

6.1. Functional linkage with different organizations

SL.N o.	Name of organization	Nature of Linkage
1.	Dy. Director of Agriculture.	Farmers Training, Diagnostic services
2.	Dy. Director of Agril. Extension (FTC)	Resource person in Lectures
3.	Dy. Director of Horticulture	Resource person in Lectures
4.	Dy. Director of Animal Husbandry	Sponsored training
5.	Dy. Director of Soil Conservation	Resource person in Lectures
6.	Dy. Director of Social Forestry	Resource person in Lectures
7.	Amreli Jilla Madhya sahakari bank	Resource person in Lectures
8.	Milk Co-Operative Society	Resource person in Lectures
9.	State Bank of India	Resource person in Lectures
10.	National Bank for Agriculture &	Resource person in Lectures

	Rural Development (NABARD)	
11.	NHRDF	Sponsored Training, Resource person in Lectures
12.	Doordarshan Kendra	Media coverage
13.	All India Radio	Radio talk
14.	District Rural Development Agency	Sponsored Training, Resource person in Lectures
15.	ATMA	Sponsored Training, Resource person in Lectures, meeting
16.	Mahindra & Mahindra Co. Ltd.	Sponsored Training, Resource person in Lectures

6.2. Details of linkage with ATMA

S. No.	Programme	Nature of linkage
1	All the extension activities of district, Amreli	Sponsored Training, Demonstration, Resource person in Lectures, meeting

6.3. Give details of programmes under National Horticultural Mission

S. No.	Programme	Nature of linkage
1	Farmers training	As a resource person

6.4. Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage
1	Farmers training	As a resource person

6.5. Additional Activities planned including sponsored projects

(NARI/DAESI/DAMU/DFI/PKVY, Skill Trainings, etc.) / schemes during 2021, if involved.

6.5.1. Details of activities planned under sponsored project

S. No.	Programme	Name of the village	FLDs, Trainings, Filed days, Field Visit	No. of families to be covered
1.	Agriculture technology Information centre	Adopted villages of KVK, Amreli	FLDs, Trainings, Filed days, Field Visit	120
2.	Natural Farming		Demonstration, Trainings, Filed days, Field Visit	1056
3.	ARYA		Demonstration, Trainings, Field Visit	---
4.	Cluster base FLD of Rabi Pulses under NFSM		FLD, Trainings, Field day, Field visit	75
5.	National Mission on Oilseeds and Oil Palm (NMOOP)		FLD, Trainings, Field day, Field visit	50
6.	DAMU	Amreli District (11 taluka)	Weather bulletin (online) taluka wise	---
7.	MGMG	10 villages of Amreli district	FLDs, Trainings, Filed days, Field Visit	---
8.	Jal Shakti Abhiyan	Amreli district	Trainings and awareness	---

			programmes	
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6.6. Activities planned in respect of FPOs/FPCs

S. No.	No. of new FPOs / FPCs to be formed (No. members)	No. of already formed FPOs / FPCs if any with major commodities (No. of members)	Type of support to be provided by KVK
1.	Dharati Raksha Agro Producer Co., Bagasra	200	Trainings regarding marketing and packaging, Value addition of products, exposure visit
2.	Jafrabad Farmer Producer Co., Timbi	750	
3.	Avirat Farmer Producer Co., Khambha	2100	
4.	Dhatarwadi Farmer Producer Co., Rajula	700	

7.0 Convergence with other agencies and line departments in the district:

S. No.	Name of the department / Agency	Type of convergence	Area (ha) / No. of farmers to be benefited
1	ATMA	Resource person	-

8. Innovator Farmer's Meet 2023

Sl.No.	Particulars	Details	Expected No. of participants
1	Farm innovators meet planned	18-19 April	5

9. Utilization of hostel facilities-

S. No.	Month	No. of days to be utilized
NIL		

10. Details of online activities plan (If any)

S. No.	Type of activities	No. of programmes	Mode of implementation (Video conferencing / Audio Conferencing / Facebook Live / YouTube Live, etc.)	No. of participants to be covered
1	Farmers trainings	5	Video Conferencing	150
2	Farmers scientist's interaction programme	3	Facebook Live	100
3	Farmers seminars	1	Video Conferencing	80

4	Expert lectures	8	Video Conferencing	350
5	Any other (Pl. specify)	0	0	0

11. Details of collaborative applied research projects planned if any-

S. No.	Name of the research project	Funding agency	Collaborating organizations	Year of commencement	Major activities planned
NIL					

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

S. No.	Particulars	Proposed BE 2023-24 (Rs.)
1	Recurring Contingencies	
1.1	Pay & Allowances	125,00,000
1.2	Traveling allowances	1,00,000
1.3	Contingencies	
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	
B	POL, repair of vehicles, tractor and equipments	
C	Meals/refreshment for trainees (ceiling upto Rs.150/day/trainee be maintained)	
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	
G	Training of extension functionaries	
H	Maintenance of buildings	
I	Establishment of Soil, Plant & Water Testing Laboratory	
J	Library	
	TOTAL Recurring Contingencies	14,00,000
2	Non-Recurring Contingencies	
2.1	Works	
2.2	Equipments including SWTL & Furniture	
2.3	Vehicle (Four-wheeler/Two-wheeler, please specify)	
2.4	Library (Purchase of assets like books & journals)	
	TOTAL Non-Recurring Contingencies	
3	REVOLVING FUND	
GRAND TOTAL		140,00,000