ICAR – ATARI, Pune ANNUAL ACTION PLAN OF KVK – MORBI (1stJanuary, 2025 to 31st December, 2025)

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)
Krishi Vigyan Kendra,	office	FAX		
Junagadh Agricultural			kvkmorbi@gmail.co	
University, Morbi				<u>www.jau.in</u>
Dist Morbi	-	-	<u>m</u>	
(Gujarat) – 363641				

1.2 Name and address of host organization with Phone, Fax and E-mail:

Address	Telepl	ohone E mail		Website
Audress	office	FAX	E man	address
Junagadh Agricultural University, Junagadh (Gujarat)	0285-2672080	0285-2672653	dee@jau.in	<u>www.jau.in</u>

1.3 Name of the Senior Scientist and Head with Phone, Mobile No.and Email :

Name	Telephone / Contact				
	Mobile	office	E mail		
Prof. M.F. Bhoraniya	9428297863 - mfbhoraniy	mfbhoraniya@gmail.co			
	J 4 20277003		m		

 1.4 Year of Sanction: 2016 (Sanctioned vide letter No. F.No.A.Extn.13-1/2016-AE, Dated 18/10/2016 of Under Secretory (AE), ICAR, Krushi Anusandhan Bhavan, Pusa, New Delhi-110 012).

No	Sanctioned post	Name of the incumbent	Mobile No.	Discipline		If Permanent, Please indicate		If Temporary, pl. indicate the
					Current Pay Band	Current GradePay		consolidated amount paid (Rs./month)
1.	Senior Scientist and Head	Vacant	-	-	-	-	-	-
2.	Scientist	Prof. M.F. Bhoraniya	9428297863	Plant Protection	57700 - 182400	UL-10	01/09/23	-
3.	Scientist	Dr. K.N. Vadaria	9824290555	Agronomy	57700 - 182400	UL-10	01/06/22	-
4.	Scientist	Vacant	-	Home Science	-	-	-	-
5.	Scientist	Vacant	-	Animal Science	-	-	-	-
6.	Scientist	Vacant	-	Horticulture	-	-	-	-
7.	Scientist	Vacant	-	Extension	-	-	-	-
8.	Programme Assistant (Lab Technician)	Gamansinh S. Zala	8780953478	B.Sc. Agri.	39900- 126600	L-7	03/08/18	-
9.	Programme Assistant (Computer)	J.R. Shekhada	9687442282	B.C.A.	39900- 126600	L-7	30/10/24	-
10.	Farm Manager	Vinuji V. Thakor	8155049089	B.Sc. Agri.	39900- 126600	L-7	31/07/18	-
11.	Assistant	Vacant	-	-	-	-	-	-
12.	Stenographer	N. M. Vadhadiya	9925182898	M.A. B.Ed.	25500-81100	L-4	01/03/22	-
13.	Driver 1	Vacant	-	-	-	-	-	-
14.	Driver 2	Vacant	-	-	-	_	-	-
15.	Supporting staff 1	Govind K. Badeliya	7046091223	B.A.	14800-47100	IS-1	01/12/23	-
16.	Supporting staff 2	Bharat Prabhubhai Vaghela	9913122848	7 th Standard	14800-47100	IS-1	01/07/24	-

1.5 Faculty Information : (as on December 31, 2024)

1.6 Total land with KVK (in ha): 26.2 ha. :

Sr. No.	Item	Area (ha)			
1	Under Buildings and Road	2.0 ha			
2.	Under DemonstrationUnits	1.8 ha			
3.	Under Crops	8.0 ha			
4.	Horticulture	Nil			
5.	Others (Barren submerged under Machchhu-3 dam, Bund and Water drain)	14.4 ha			
	Total 26.2 h				

1.7 Infrastructural development:

A. Buildings:

			Stage					
		Source		Complet	e		Incomp	olete
No.	Name of building	of funding	Completion Year	Plinth area (Sq.m)	Expenditure (Rs. Lacs)	Starting year	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	KVK	2019-20	575.32	143.00	-	-	-
2.	Farmers Hostel	KVK	2019-20	443.96	61.00	-	I	-
3.	Staff Quarters (6)	-	-	-	-	-	-	-
4.	Demonstration Units (1) Nadep Compost	SAU	2019-20	18.0	0.40	-	-	-
5	Fencing	JAU	2017-18	4535	7.95	-	-	-
6	Rain Water harvesting system	-	2018-19	-	2.00	-	-	-
7	Threshing yard	JAU	2020-21	400	3.16	-	-	-
8	Roof Rain Water harvesting structure	SAU	2019-20	1.40 lac ltr.	4.6 Lacs	-	-	-
9	Farm road (Farmers' hostel to plot A-2) 173 m	JAU	2023-24	-	4.57 Lacs	-	-	-
10	Farm road (office to farm) 173 m	JAU	2024-25	-	4.57 Lacs	-	-	-
11	Farm protection wall 84 m	JAU	2024-25	-	4.57 Lacs	-	-	-
12	Implement Shed	JAU	2024-25	8.79	4.57 Lacs	-	-	-
13	Cause way	JAU	2024-25	-	2.65 Lacs	-	-	_

B. Vehicles:

Type of vehicle	Year of purchase	Cost (Rs.)	Present status
Tractor Massey DI-241	2017	607137/-	Working
Tractor Mini Trishul 10 H.P.	2007	183000/-	Working
Mahindra Bolero	2019	80000/-	Working

C. Equipments & AV aids:

Name of the equipment / Implements	Year of purchase	Cost (Rs.)	Present status
Computer System Acer 18.5	2017	34115/-	Working
Computer System Acer 18.5	2017	34115/-	Working
Printer MF 3010 canon	2017	10266/-	Working
Printer LBP 6230 canon	2017	8761/-	Working
Computer System SIS Agiledag-2277 LG	2010	24210/-	Not Working
Printer MF 4350d canon	-	14327/-	Working
Xerox Machine RICHO Digital	2013	113755/-	Not Working
Computer system Acer	2009	31635/-	Not Working
Computer system Acer	2010	32270/-	Not Working
Printer Samsung	2013	4579/-	Working
Computer system Acer	2009	30968/-	Not Working
LG smart television	2021	189975/-	Working

1.8. Details of SAC meetings conducted :

Sl.No.	Particulars	Proposed date of meeting
1	Scientific Advisory Committee – Meeting 1	26/03/2018
2	Scientific Advisory Committee – Meeting 2	19/03/2019
3	Scientific Advisory Committee – Meeting 3	12/03/2020
4	Scientific Advisory Committee – Meeting 4	10/02/2021
5	Scientific Advisory Committee – Meeting 5	10/03/2022
6	Scientific Advisory Committee – Meeting 6	09/02/2023
7	Scientific Advisory Committee – Meeting 7	31/01/2024
8	Scientific Advisory Committee – Meeting 8	27/01/2025

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

<u>talukas)</u>

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

S. No	Farming System/Enterprise					
Cotton-Wheat/Cotton-Cumin/Groundnut-Wheat/Groundnut-Cumin/						
1	Summer Sesame					
2	Animal husbandry – Crop based enterprise /Dairy product					
3	Farm Waste Management/ Crop residue management					
4	Value addition in Groundnut/ Sesame					

2.2 Description of Agro-climatic Zone & major agro ecological situations:

a) Climate

Sl. No.	Agro-climatic Zone	Characteristics
	North Saurashtra Agro Climatic Zone-VI, Morbi, Wankaner and Tankara	Semi arid – region with annual rainfall 550 - 600 mm. Maximum temp – 44°C, Minimum range – 5 to 12°C & high evaporation
1	North west agro climatic Zone- V Maliya (mi) and Halvad block	Arid to semi arid region with annual rain fall -500 to 550 mm maximum temp - 45°C, Minimum range -3 to 12°C & high evaporation

B. Topography:

S. No.	Agro ecological situation	Characteristics
1	Situation No. 6	Plain & hilly areas in Wankaner Tehsil.
2	Situation No. 5	Plain costal region (saline) affected with desertification

2.3. Soil Types

Sl. No	Soil type	Characteristics	Area in 000' ha
1	Medium black clayey	Low in organic carbon, heavy cracking and clod formation	202.4
2	Alluvial Soil (sandy-loam)	Low fertility status, high infiltration rate	91.8
3	Hilly Soil (light)	Undulating topography, low fertility eroded soil	13.6
4	Silty Soil (loamy)	Low infiltration rate, water logging, difficult to cultivate	5.5

2.4. Area, Production and Productivity of major crops cultivated in the district (2022-23)

S. No	Сгор	Area (ha)	Production (M. T.)	Productivity (kg/ha)	
1	Cotton	196231	121737 (Lint)	659 (Lint)	
2	Groundnut	65830	126734	1925	
3	Wheat	44325	155796	3515	
4	Cumin	27452	25166	917	
5	Chickpea	27250	48528	1781	
6	Sesame	15365	12663	824	
7	Castor	14250	42576	2988	
8	Fennel	4695	8772	1868	
9	Pearlmillet	2667	7523	2821	
10	Onion	2140	41723	19497	
11	Garlic	1965	12972	6602	
12	Black gram	1900	676	356	
13	Green gram	1663	974	586	

Source: Directorate of Agriculture (https://dag.gujarat.gov.in)

2.5. Weather data (2024)

Month	Rainfall (mm)	Month	Rainfall (mm)
January	0	July	301
February	0	August	548
March	0	September	33
April	0	October	114
May	0	November	0
June	81	December	0
		Total	1077
		Rainy Days	34

Date	Rainfall (mm)	Date	Rainfall (mm)	Date	Rainfall (mm)
23-06-2024	20	25-07-2024	3	30-08-2024	8
25-06-2024	13	26-07-2024	4	August-2024	548
28-06-2024	22	30-07-2024	15	03-09-2024	14
30-06-2024	26	31-07-2024	3	06-09-2024	12
June-2024	81	July-2024	301	26-09-2024	3
01-07-2024	47	01-08-2024	3	27-09-2024	4
02-07-2024	117	02-08-2024	33	September-2024	33
08-07-2024	14	03-08-2024	14	15-10-2024	45
09-07-2024	8	09-08-2024	9	21-10-2024	69
11-07-2024	6	13-08-2024	16	October-2024	114
18-07-2024	6	17-08-2024	6		
19-07-2024	22	26-08-2024	88		
20-07-2024	2	27-08-2024	229		
22-07-2024	9	28-08-2024	103	Total Rainy Days	34
23-07-2024	45	29-08-2024	39	Total Rainfall (mm)	1077

2.6. Production and productivity of livestock, Poultry, Fisheries etc. in the district (Ref. Year 2023-24)

Category	Population (No)	Production	Productivity		
Cattle	141470	241670 kg milk	630 g/animal		
Buffalo	174976				
Goats	66893				
Sheep	97972	84570 kg wool	863 g/year		
Pigs	_	-	-		
Crossbred	_	-	-		
Indigenous	-	-	-		
Rabbits	-	-	-		
Poultry		, ₁₀			
Hens	1630273	823.02 lakh eggs	50 eggs/year		
Desi					
Fish (Reservoir)	_	-	-		

Source: Directorate of Animal Husbandry (https://doah.gujarat.gov.in/livestock-census.htm)

2.7. Priority thrust areas:

Crop/Enterprise	Thrust area
Groundnut, Sesame etc	Increasing the productivity of the major crops by adopting recommendation of dry farming technologies and to create awareness for value addition.
Water conservation	<i>In situ</i> soil moisture conservation and rainwater harvesting. Use of cotton stalk for organic manure.
Cotton	Motivating cotton growers to adopt IPM and INM practices for reducing the cost of production. Recycling of the cotton stalk by cotton shredder
Agriculture	Developing interest among youth for agriculture as a profession.
Horticulture	Value addition in agriculture produces through proper grading, processing, marketing and information technology.
Farm waste	Recycling of the warm waste through composting, vermi-composting and green manuring.
Income generating activities	Self-employment among rural youth and skill oriented income generating activities.
Spices crop	Adopt recommended practice of IDM in spices crop i.e. Cumin & Ajwain.

Village	L	and(ha)		Рори	ilation		Anir	nal		Ν	lajor Crop		Major Problems
village	Unirri.	Irri.	Total	Male	Female	Cow	Buffalo	Ship	Goat	Name	Area(ha)	Productivity	Major Problems
										Groundnut	125	1300-1500	- Low productivity of
										Cotton	125	1400-1600	almost all crop than dist.
Palas (Wankaner)	228	75	347	413	315	700	750	180	280	Sesame	20	600-700	aveg. -Stem rot & White grub in
(wankaner)										Wheat	30	3300-3500	groundnut.
										Cumin	20	600-700	-Pink ball in cotton.
										Groundnut	625	1800-2000	
										Cotton	600	1500-1700	-Low productivity of
										Sesame	175	800-900	almost all crop than dist.
Panchdwarka	426	1000	1426	720	680	300	1700	600	190	Wheat	400	3800-4000	aveg.
(Wankaner)	420	1000	1420	720	080	500	1700	000	190	Cumin	150	800-900	-Stem rot & White grub in
										Chickpea	300	2000-2200	groundnut.
										Garlic+Onion	150	7000-7500	-Pink ball in cotton.
										Othesr	25	3500-4000	
										Groundnut	50	1800-2000	-Low productivity of all
Shekhradi	237	150	389	504	482	250	483		10	Cotton	200	1700-1900	crop due light soil. -Stem rot in groundnut.
(Wankaner)	237	152	369	304	482	259	485	-	10	Sesame	50	600-700	-Pink ball warm in cotton.
										Fodder	89	700-800	-Phytopthora blight in cumin
										Groundnut	200	1900-2200	-Stem root in groundnut.
										Cotton	300	1500-1700	-Pink ball warm in cotton. -Blight and wilt in cumin.
Amarsar	314	258	576	891	870	120	490	300	200	Cumin	100	900-1000	-Soft rot in onion.
(Wankaner)	514	230	570	071	070	120	490	300	200	Onion	100	3000-3300	-Tip burning in garlic.
										Wheat	50	3600-3800	-Phytopthora blight in sesame.
										Others	76	-	-Para wilt in cotton.

2.8. Details of operational area / villages:

Pipaliyaraj (Wankaner)	1300	681	1981	2075	2043	200	2250	250	150	Groundnut Cotton Sesame Wheat Cumin Chickpea Garlic+Onion Castor	600 1200 50 100 100 250 50 50	1900-22002000-2200800-9003200-3300800-9001800-22003800-40002500-3000	 Stem rot in groundnut. Pink ball warm in cotton. Blight and wilt in cumin. Soft root in onion. Tip burning in garlic. Phytopthora blight in sesame. Para wilt in cotton.
Otala (Tankara)	560	720	1280	1663	1587	35	70	550	271	Groundnut Cotton Sesame Wheat Cumin Chickpea Garlic	600 580 80 150 250 150 50	2400-2500 2200-2500 800-1000 4500-5000 800-1000 2800-3000 7000-7200	 Stem rot in groundnut. Pink ball warm in cotton. Blight and wilt in cumin. Tip burning in garlic. Phytopthora blight in sesame. Para wilt in cotton.
Saraya (Tankara)	350	416	766	728	725	290	117	1200	230	Groundnut Cotton Sesame Wheat Cumin Chickpea Others	440 300 10 100 100 200 15	2300-2500 2400-2600 800-1000 4800-5000 700-800 2400-2500 -	 Stem rot in groundnut. Pink ball warm in cotton. Blight and wilt in cumin. Phytopthora blight in sesame. Para wilt in cotton.
Neknam (Tankara)	700	176	2461	1801	1735	337	620	670	160	Groundnut Cotton Wheat Chickpea Cumin Sesame Garlic-Onion	1300 1110 100 200 75 50 75	1800-2200 2000-2200 4000-4200 2800-3000 700-800 800-900	 Stem rot in groundnut. Pink ball warm in cotton. Blight and wilt in cumin. Soft root in onion. Tip burning in garlic. Phytopthora blight in sesame. Para wilt in cotton.

										Groundnut	180	2400-2500			
										Cotton	180	2100-2200	-Stem rot & white grub		
										Sesame	150	900-1000	problem in groundnut. -Pink ball worm problem in		
Lakhdhirgadh	576	20	596	536	518	188	243			Pulses	90	800-900	cotton.		
(Tankara)	370	20	390	330	518	100	243	-	-	Wheat	160	4000-4200	-Phytopthora blight in		
												Chickpea	150	3000-3200	sesame.
										Cumin	60	700-900	-Wilt & blight in cumin. -Soft root in onion.		
										Others	20	-	-Soft foot in onion.		
										Groundnut	450	2500-2700	-Wilt and stunt disease in		
	533									Cotton	350	2000-2200	chickpea.		
Bhutkotda										Sesame	50	800-1000			
		350	883	882	823	200	100	700	300	Garlic+Onion	25	3500			
(Tankara)	555	550	865	002	823	200	100	700	300	Wheat	100	6000-7000			
										Chickpea	150	800-900			
										Cumin	50	3800-4200			
										Others	30	2500-2800			
										Groundnut	502	1800-2000	-Pink ball warm in cotton.		
Chakamanar										Cotton	270	1700-2000	-White grub in groundnut.		
Chakamapar (Morbi)	425	1207		1001	1207	233	346	720	207	Cumin	200	750	-Wilt & blight in cumin.		
										Chickpea	100	2250	-FMP		
										Wheat	225	4100			
										Groundnut	780	1800-2000	-Pink ball warm in cotton.		
Jivapar										Cotton	350	1800-2000	-White grub in groundnut.		
(Morbi)	310	1040		1021	956	109	256	196	55	Cumin	75	850	-Wilt & blight in cumin. -FMP		
										Chickpea	100	2200-2400			
										Wheat	200	3800-4200			

									Sesame	60	1200	
									Garlic	50	-	
									Cotton	260	1800-2000	-Pink ball warm in cotton.
Dharampur									Wheat	30	3000-3500	-Wilt & blight in cumin.
Dharampur (Morbi)	12	870	797	779	200	365	371	112	Cumin	25	600-700	-FMP -Salinity problem of soil
									Sesame(sum mer)	25	800-000	-samily problem of son
									Groundnut	260	1250	-Low yield of groundnut due
Therels									Cotton	245	1670	to salinity problem.
Thorala	388	434	852	785	110	398	150	35	Cumin	60	780	-Pink ball warm in cotton.
(Morbi)									Chickpea	70	2200	-Phytophora blight in sesame.
									Sesame	50	700	-FMP in
									Groundnut	500	1500-1600	
									Cotton	450	1700-2000	
Andarana									Sesame	250	700-800	-Pink ball warm in cotton.
(Morbi)	1322	1780	1220	1180	100	300	200	400	Wheat	200	4000-4200	-White grub in groundnut. -Wilt & blight in cumin.
									Chickpea	200	1800-2000	-FMP
									Garlic	60	7000-7200	
									Onion		35000-40000	

3. TECHNICAL PROGRAMME

()FT	FLD				
	(1)	(2)				
Number of OFTs	Number of Farmers	Area (ha)	Number of Farmers			
3	9	20.00	50			

3.1. A. Details of targeted mandatory activities by KVK

Т	aining	Extension Activities				
	(3)	(4)				
Number of Courses	Number of Participants	Number of activities	Number of participants			
35	905	-	-			

Seed 1	Production	n (Qtl.)	Planting material (Nos.)	Fish seed Prod. (No's)	Soil Samples
(5)			(6)	(7)	(8)
Сгор		Quantity(qtls.)			
Sesame	GT-3	07	50		50
Cumin	GC-4	13	50	-	50
Onion	GWO-3	01			

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	Bt. cotton	Sucking Pest, Para Wilt,	1,12,000 ha	Halvad,	FLD on pink boll worm
		Pink Boll Worm		Tankara,	management.
				Wakaner,	Training on pink boll worm
				Morbi block	management
2	Groundnut	White Grub	42,000 ha	Tankara ,	Training on pest and Disease
		Stem Root		Halvad block	management in groundnut.
3.	Cumin	Wilt and Blight	3900 ha	Morbi,	FLD and OFT on disease
		-		Halvad,	management and also training for
				Maliya	IDM in Cumin.
4	Pomegranate	Seed rot and nematode	1000 ha	Morbi, Halvad and	Training programmed and crop
	-			Maliya	seminar
5	Chickpea	Wilt and Blight	2600	Morbi, Halvad and	Training programmed and crop
				Maliya	seminar

* Support with problem-cause and interventions diagram

3.2. Technologies to be assessed and refined

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

Thematic areas	Cereals	Oil Seeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation Crops	Tuber Crops	TOTAL
Integrated Pest Management	-	-	-	1	-	-	-	-	-	1
Crop management	-	-	-	1	-	-	-	-	-	1
Disease Management	-	-	-	1	-	-	-	-	-	1
TOTAL	-	-	-	3	-	-	-	-	-	3

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

B. <u>Details of On Farm Trials/ Technology Assessment proposed</u> <u>during 2025</u>

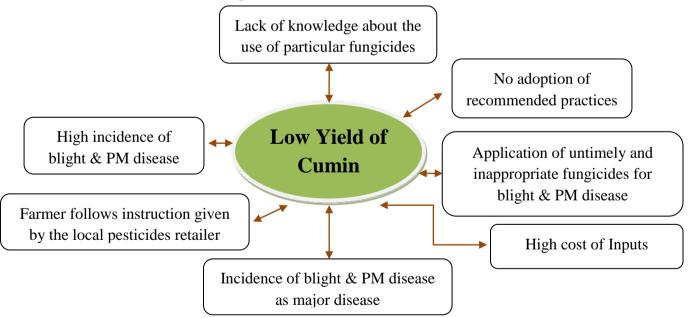
1) New OFTs proposed

OFT: 1 Management of blight and powdery mildew in cumin (New)

- 1. Title of OFT: Management of blight and powdery mildew in cumin
- 2. Agro Ecological Zone : North Saurastra Agro-Climatic Zone- VI
- 3. Production system : Irrigated
- 4. Problem Definition:

Gujarat is India's leading cumin-producing state in the country. This accounts for 57.9% of India's total cumin production. Mehsana, Banaskantha, Patan, Surendranagar and Morbi are major regions cumin cultivation in Gujarat. Rajasthan ranked second (14 %), West Bengal (0.20 %) and Madhya Pradesh (0.10 %). Productivity of cumin crop first rank in India as well Asia in the world. Now a day productivity reduced and quality point of view suffering due to incidence of diseases and pest. Farmers are practicing excess use fungicides without followed recommended dose as prescribed by concerned scientist. Therefore cost of cultivation inevitably increase and some time, crop get failure due to inappropriate and excessive use of fungicides. Application of recommended dose for the control of blight and Powdery Mildew disease in the cumin crop is being undertaken for OFT. This OFT traces the transformation in the cumin production through recommended technology in the Morbi district.

• Problem Cause Diagram



Objective	To minimize the incidence of blight & PM disease in cumin
Reason for low yield of cumin	 No adoption of recommended practices. Farmers follows instruction given by the local pesticides retailer Lack of knowledge about the required of specific fungicides.
Technical Intervention	Management of blight & PM disease in cumin
Treatments	 Farmers practice (Use of mancozeb, hexaconazole and sulphur fungicides after infestation) Recommended practices Application of the Metiram 55% + Pyraclostrobin 5% WG, 45 gm/15 lit of water or Pyraclostrobin 13.3 % + Epoxyconazole 5 % SE, 23 ml/ 15 lit of water. First spray at 30 DAS and next two spray 20 interval after first spray.
Cost	Rs. 1450/ OFT (Rs. 4350/-)
Area	1.2 ha
No. of replication	03
Source of technology	Department of Plant Pathology, CoA, JAU, Junagadh (2023)
Technical Indicator:	 Yield (qui/ha) Per cent Disease Incidence : 1. Blight Powdery Mildew
Economic Indicator:	 Cost of Production (Rs/ha) Gross return: (Rs/ha) Net return: (Rs/ha) B:C Ratio

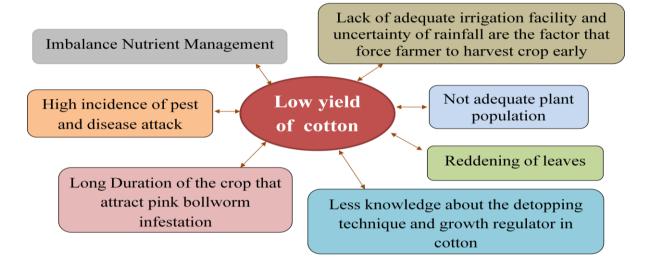
OFT: 2

1. Title of Technology Assessed: - Assessment of plant growth regulator and detopping technique to enhance yield of cotton.

2. Problem Definition:

In Morbi district, cotton crop ranks first than other crops (196231 ha), followed by groundnut (65830 ha). Thus cotton is very important crop of the district for sustainability point of view.

Since last two to three years, infestation of pink bollworm in cotton, uncertainty of rainfall and scattered rain and changing climatic condition, now farmers are forced to harvest crop as against they assumed for 180 to 240 days period. Ultimately this resulted in low production. So that use of plant growth regulator and detopping technique enhance yield of cotton.



Problem Cause Diagram

Objective	:	To enhance yield of cotton through low cost technology
Reason for low yield of cotton	:	1. No adoption of recommended practices.
yield of cotton		 2. Farmers follows instruction given by the local pesticides retailer 3. Lack of knowledge about the new technique and growth regulator.
Technical Intervention	:	Enhancement yield of cotton through low cost technique.
Treatments	:	T ₁ -Farmer practice : Natural growth of cotton plant
		T ₂ -Detopping the cotton plant at 75 day after sowing for uniform height
		T ₃ - Foliar spray with Ethylene 39% @ 2.0 ml/15 lit of water at 90 DAS
Source of	:	T ₂ : CRS, JAU, Junagadh (2016)
Technology		T ₃ : DFRS, JAU, Targhadia (2016)
Area	:	1.2 ha (0.40 ha each farmer)
No. of replication	:	03
Cost of OFT	:	Rs. 900/OFT (Rs. 2700)

2) On going OFTs

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.)	Para- meters to be studied	Team member
3	Cumin	Fifteen to twenty percent yield reduction due to blight disease	Minimize the disease intensity through line sowing in cumin crop	Sowing of cumin with broad casting method (Farmer practice) Sowing of cumin at 30 cm distance between two raws (Recommended practices.) Sowing of cumin at 15 cm distance between two rows (Intervention).	JAU	Seed of cumin GC-4	6 kg	1200/-	3	3600/-	1) Yield 2) Percentage of incidence of blight disease in 1 sq.mt. area at 75 days after sowing and BC ratio	Dr. K.N. Vadaria, Prof. M.F. Bhoraniya

3.3. Front Line Demonstrations

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

No	Сгор	Variety	Thematic Area	Technology for Demonstration	Critical Inputs With Cost (Rs.)		Area (Ha)	No. of Farmers/ Demon.	Parameters Identified
1	Groundnut	GJG-32	Crop Improvement	Improved Variety	33500/-	Kharif- 2025	4.0	10	Yield, B:C Ratio, Farmers Perception
2	Cotton	Bt. cotton	IPM	MDP-4 Nos	40000/	Kharif- 2025	4.0	10	Yield, B:C Ratio, Farmers Perception
3	Chickpea	GG-5 /GG-7	Crop Improvement	Improved Variety	20000/-	Rabi-2025- 26	4.0	10	Yield, B:C Ratio, Farmers Perception
4	Cumin	GC – 5	Crop Improvement	Improved Variety	39000/-	Rabi-2025- 26	4.0	10	Yield & B:C Ratio, Farmers Perception
5	Sesame	GJT-5	Crop Improvement	Improved Variety	3000/-	Summer- 2026	4.0	10	Yield, B:C Ratio, Farmers Perception
					135500/-		20	50	

B. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	2	Aug. and Dec.	50
2	Farmers Training	2	Sep. and Oct.	55
3	Media coverage	1	Sep.	-
4	Training for extension functionaries(ATMA-Morbi)	1	Jul.	35

C. Details of FLD on Enterprises

a. Farm Implements :-

b. Livestock and Fisheries Enterprises :- Nil

c. Other Enterprises (Mushroom, Apiculture, Sericulture, Vermi-compost, Value Addition, Women empowerment, etc) :- Nil

Nil

3.4 Training (Including the sponsor and FLD training programmes)

A. On Campus

Title of The Training Programme	No. of	Pa	No. o rticip		Nı	Grand Total		
	courses	Μ	F	Τ	Μ	F	Τ	Total
(A) Farmers & Farm Women								
I Crop Production	-	-	-			•		1
Importance and use of bio fertilisers	1	22	00	22	03	00	03	25
Bio formulations used in NF	1	22	00	22	03	00	03	25
Natural Farming in <i>Kharif</i> Crops	1	22	00	22	03	00	03	25
Preparation of <i>Jivamrut</i> and its role in	1	22	00	22	03	00	03	25
crop production								
Integrated nutrient management	1	22	00	22	03	00	03	25
Different criteria for natural farming	1	22	01	23	02	00	02	25
Importance and use of bio fertilizer	1	22	00	22	03	00	03	25
II Horticulture:								
Scientific cultivation of spices crops.	1	21	00	21	04	00	04	25
Improved varieties and their								
characteristic of vegetable crops	1	24	00	24	01	00	01	25
developed by SAUs								
III Soil Health								
Importance of soil and water analysis.	1	22	00	22	03	00	03	25
Management of macro and micro	1	22	00	22	02	00	02	25
nutrient in natural farming	1	23	00	23	02	00	02	25
IV Live Stock Production : Nil								
V Home Science : Nil								
VI Plant Protection								
Insect pest & disease management in	1	22	00	22	0.2	00	02	25
<i>rabi</i> crops.	1	22	00	22	03	00	03	25
Pest & disease Management in kharif			0.0		0.0	0.0	0.0	
crops.	1	22	00	22	03	00	03	25
Integrated pest and disease								
management in <i>kharif</i> crops.	1	22	00	22	03	00	03	25
Plant protection measures in natural								
farming	1	22	00	22	03	00	03	25
Different IPM modules for relevant							- ·	
crops.	1	24	00	24	01	00	01	25
Insect & disease management through			0.5		0.5	0.0		
seed treatment.	1	25	00	25	00	00	00	25
VII Agri. Engineering : Nil				I				
VIII Fisheries – Nil								
		201	01	202	40		42	425
Total (A)	17	381	01	382	43	0	43	425
(B) RURAL YOUTH: Nil								
(C) EXTENSION PERSONNEL								
Integrated pest management in <i>Kharif</i>	1	34	03	37	03	00	03	40
crop	1	54	03	57	05	00	05	40
New recommendation and package of	1	24	02	27	02	00	02	40
practice of <i>Rabi</i> crops	1	34	03	37	03	00	03	40
Total (C)	2	68	06	74	06	00	06	80
Grand Total (A+B+C)	19	449	07	456	49	0	49	505

B. off Campus

Title of The Training Programme	No. of	Nu Par		mbe C/S	Grand Total			
	courses	Μ	F	Т	Μ	F	Τ	Total
(A) Farmers & Farm Women								
I Crop Production								
Importance and criteria for natural farming	1	22	01	23	02	00	02	25
Integrated nutrient management in <i>kharif</i> crops	1	21	01	22	03	00	03	25
Integrated weed management	1	22	01	23	02	00	02	25
Natural farming in groundnut	1	21	01	22	03	00	03	25
Irrigation management in <i>rabi</i> crops	1	21	01	22	03	00	03	25
Integrated nutrient management in <i>rabi</i> crops	1	21	01	22	03	00	03	25
Irrigation management in NF	1	22	01	23	02	00	02	25
Management of organic carbon in natural farming	1	21	01	22	03	00	03	25
II Horticulture: Nil								
III Soil Health								
Information regarding Bio-fertilizer application in different crops.	1	22	01	23	02	00	2	25
Role of different macro and micro nutrients	1	22	00	22	03	00	03	25
IV Agri. Engineering: Nil								
V Home Science : Nil								
VI Plan Protection								
Insect pest & disease management in <i>rabi</i> crops.	1	22	02	24	01	00	01	25
Role of predator and parasite in natural farming.	1	22	00	22	03	00	03	25
Store grain pest and their management and precautions	1	21	00	21	04	00	04	25
Practical training for preparation of different component of Natural farming for pest management	1	22	01	23	02	00	02	25
Different criteria for natural farming	1	22	02	24	01	00	01	25
Integrated pest & disease management in <i>kharif</i> crops.	2	42	04	46	4	0	4	50
Insect pest management in natural farming	1	22	00	22	03	00	03	25
Role of predator and parasite in pest management.	1	22	00	22	03	00	03	25
Different components of plant protection in natural farming	1	22	01	23	02	00	02	25
Total (A)	20	432	19	451	49	0	49	500
(B) RURAL YOUTH: Nil								
(C) EXTENSION PERSONNEL: Nil								
Grand Total (A+B+C)	20	432	19	451	49	0	49	500

		No. of Participants							
Thematic Area	No. of	Others SC						Grand	
	Courses	Μ					Τ	Total	
(A) Farmers & Farm Women									
I Crop Production									
Importance and use of bio fertilisers	1	22	00	22	03	00	03	25	
Bio formulations used in NF	1	22	00	22	03	00	03	25	
Natural Farming in <i>Kharif</i> Crops	1	22	00	22	03	00	03	25	
Preparation of <i>Jivamrut</i> and its role in crop production	1							25	
Integrated nutrient management	1			22		00	03	25	
Different criteria for natural farming	1		01				02	25	
Importance and use of bio fertilizer	1	22	00					25	
Importance and criteria for natural farming	1			23		00	02	25	
Integrated nutrient management in <i>kharif</i> crops	1		01	22	03	00	03	25	
Integrated weed management	1		01	23		00		25	
Natural farming in groundnut	1		01		03			25	
Irrigation management in <i>rabi</i> crops	1		01					25	
Integrated nutrient management in <i>rabi</i> crops	1							25	
Irrigation management in NF	1			23				25	
Management of organic carbon in natural farming	1	21	01			00		25	
II Horticulture:			-						
Scientific cultivation of spices crops.	1	21	00	21	04	00	04	25	
Improved varieties of vegetable crops dev. by SAUs	1			24				25	
III Soil Health and Fertility Management	_								
Importance of soil and water analysis.	1	22	00	22	03	00	03	25	
Man. of macro and micro nutrient in natural farming	1			23				25	
Info. regarding Bio-ferti. application in diff. crops.	1			23				25	
Role of different macro and micro nutrients	1	22		22		00		25	
V Home Science/Women empowerment: Nil									
VII Plant Protection									
Insect pest & disease management in rabi crops.	2	44	02	46	04	00	04	50	
Pest & disease Management in <i>kharif</i> crops.	1			22				25	
IPM and IDM in <i>kharif</i> crops.	3			68				75	
Plant protection measures in natural farming	1			22				25	
Different IPM modules for relevant crops.	1		00	24	01	00	01	25	
Insect & disease management through seed treatment.	1			25				25	
Role of predator and parasite in natural farming.	1			22				25	
Insect pest management in natural farming	1			22				25	
Role of predator and parasite in pest management.	1			22				25	
Store grain pest and their management	1			21				25	
Practical training for preparation of different	-								
component of Natural farming for pest management	1	22	01	23	02	00	02	25	
Different criteria for natural farming	1	22	02	24	01	00	01	25	
Different components of plant protection in natural	1								
farming	1	22	01	23	02	00	02	25	
TOTAL (A)	37	813	20	833	92	00	92	925	
TOTAL (A) 37 813 20 833 92 00 92 (B) RURAL YOUTH: Nil 37									
(C) EXTENSION PERSONNEL									
Integrated pest management in <i>Kharif</i> crop	1	34	03	37	03	00	03	40	
New reco. and package of practice of <i>Rabi</i> crops	1			37				40	
TOTAL (C)	2						06	80	
GRAND TOTAL (A+B+C)	39						<u>98</u>	1005	

C. Consolidated table (On and Off Campus)

Details of training programmes attached in Annexure -I

Nature of Extension Activity	No. of	Fa	rme	ers		tensi ificia		r	Total	
	activities	Μ	F	Т	Μ	F	Т	Μ	F	Т
Field Day	02	42	6	48	2	-	02	48	2	50
KisanMela	01	500	100	600	28	02	30	528	102	630
Kisan Goshti	10	55	45	100	15	05	20	70	50	120
Exhibition	01	80	40	120	20	20	40	100	60	160
Film Show	-	_	_	_	-	_	-	-	-	-
Farmers Seminar	-	_	_	_	-	_	-	-	-	-
Workshop	-	_	_	_	-	_	-	-	-	-
Night Meeting	02	42	6	48	2	-	02	48	2	50
Lectures delivered as resource						1				
persons	As and when a	requir	ed							
Newspaper coverage	As and when a	eauir	ed							
Radio talks	As and when 1	-								
TV talks	As and when i	1								
Popular articles	05	-	-	-	-	-	-	-	-	-
Extension Literatures	05	_	_	_	-	-	-	-	-	-
Advisory Services	As and when 1	equir	ed							
Scientific visit to farmers field	10	_	-	_	-	-	-	-	-	_
Farmers visit to KVK	07	_	_	_	_	_	-	-	-	-
Diagnostic visits	04	_	_	_	_	_	_	-	-	-
Exposure visits	-	_	_	_	-	-	-	-	-	-
Ex-trainees Sammelan	_	-	-	_	_	-	_	-	-	-
Soil health Camp	_	_	_	_	_	_	_	-	-	-
Animal Health Camp	_	_	_	_	-	_	-	-	-	
Improved Implements										
Demonstration	01	21	03	24	01	-	01	24	01	25
Soil test campaigns	01	_	_	_	-	_	_	-	-	-
Farm Science Club Conveners	01									
meet	-	-	-	-	-	-	-	-	-	-
Self Help Group Conveners										
meetings	-	-	-	-	-	-	-	-	-	-
Mahila Mandals Conveners	0.1					0.4				
meetings	01	00	24	24	00	01	01	24	01	25
Celebration of important days	07		22	100	7 0	20	7 0	107	4.5	4 = 0
(specify)	07	77	23	100	50	20	70	127	43	170
Krishi Mohostava		-	-	-	-	-	-	-	-	-
Krishi Rath	-	-	-	-	-	-	-	-	-	-
Pre Kharif Workshop	_	-	-	-	-	-	-	-	-	-
Pre Rabi Workshop		_	-	-	-	-	_	-	-	-
PPVFRA Workshop		_	-	-	-	-	_	-	-	-
Any Other (Specify)		_	-	-	-	-	_	-	-	-
Total	62	1217	347	1564	118	48	166	1369	361	1730

3.5. Extension Activities (including activities of FLD programmes)

3.6. Target for Production and supply of Technological products SEED MATERIALS

Sl. No.	Сгор	Variety	Quantity (qtl.)
OILSEEDS	Sesame	GT-6	07
OTHERS	Cumin	GC-4	13
(Specify)	Onion	GJWO-3	01

PLANTING MATERIALS

Sl. No.	Сгор	Variety	Quantity (Nos.)
FRUITS	Jambu	Ravni	50
VEGETABLES	Drum Stick	Jyoti	50

BIO-PRODUCTS (Sales Only): Nil

LIVESTOCK :- Nil

VALUE ADDED PRODUCTS :- Nil

3.7. Action plan for management of KVK instructional farm Total land with KVK : **26.2 ha**

Cultivable land : **9.8 ha** (Irrigated : **<u>7.8 ha</u>**, Rain fed : **<u>2.0 ha</u>**) Micro-irrigation facility available at KVK : Yes / No. :- <u>Yes</u>

4. LITERATURE TO BE DEVELOPED/PUBLISHED

A. Literature developed/published

S.No.	Торіс	Number
1	Research papers	01
2	Technical reports	06
3	News letters	04
4	Training manuals	01
5	Popular articles	05
6	Extension literature	04
7	E-publication	-
8	Any other (Please specify)	-
	Total	21

B. Details of Electronic Media to be produced:- Nil

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

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

S. No.	Type of social media platform	Title / Purpose	Number
1	YouTube Channel	JAU , Junagadh	1
2	Face book page	JAU , Junagadh	1
3	Mobile Apps	JAU ikrushi Sanhita	-
4	Whats App groups	Information about new technology	22
5	Twitter Account	KVK MORBI , JAU – GUJARAT	1
6	Any other (Pl. Specify)	INSTAGRAM - kvkmorbi	1

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	April
2	Value addition/Implement	November

5.1 Indicate the Specific Training need Analysis Tools/Methodology followed for

- A. Practicing Farmers Nil
- B. Rural Youth Nil
- C. In-service personnel Nil

5.2. Indicate the Methodology for Identifying OFTs/FLDs For OFT:

i) Field level observations ii) Farmer group discussions

For FLD:

New variety/technology ii) Existing cropping system iii)
 Problems at field level

5.3. Field Activities

i. Name of villages identified/adopted with block name (from which year) -2022

Blocks	Wankaner	Tankara	Morbi
	Palas	Otala	Chakampar
	Panch Dwarka	Saraya	Jivapar
Villages	Shekharadi	Neknam	Dharampur
	Amarsar	Lakhdhirgadh	Thorala
	Pipaliya raj	Bhutkotda	Andarana

- ii. No. of farm families selected per village : 10
- iii. No. of survey/PRA conducted : One / Village
- iv. No. of technologies taken to the adopted villages: 15
- v. Name of the technologies found suitable by the farmers of the adopted

villages:

- 1) White grub management in groundnut (IPM).
- 2) Sucking pest management in cumin.
- 3) Pink ball warm management in cotton (IPM).
- 4) Para wilt management in cotton.
- Vi. Impact (production, income, employment, area/technological– horizontal/vertical)
 To increase the production and productivity.
 - To increase farm income per area.
 - To reduce the cost of cultivation.
- vii. Constraints if any in the continued application of these improved technologies-No

6. LINKAGES

Sl.No	Name of organization	Nature of Linkage (pl. specify)
1	Dy. Director of Agriculture.	Most of the Organizations
2	Dy. Director of Agril. Extension (FTC)	are members of Scientific
3	Dy. Director of Horticulture	Advisory Committee (SAC)
4	Dy. Director of Animal Husbandry	of KVK and have linkage
5	District Agriculture officer	with different activities of
6	JillaUdhyong Kendra	KVK <i>viz.</i> , Training
7	NHRDF	Programme, Khedut Sibir,
8	Doordarshan Kendra	Farmers day, Farmers fair,
9	All India Radio	Film Show, Extension
10	District Rural Development Agency(DRDA)	functionery-trainings and
11	ATMA	Soil health card etc.
12	District Watershed Development Agency (DWDA)	
13	GGRC	
14	Reliance foundation	
15	GSFC, GNFC	
16	IFFCCO	
17	KRIBHCO	
18	ANANDI NGO	
19	Agakhan Rural Support	

6.1. Functional linkage with different organizations

6.2. Details of linkage with ATMA

S. No.	Programme	Nature of linkage
1	Field Visit	Field visit for current field problems
2	Training	Training at village

6.3. Give details of programmes under National Horticultural Mission

S. No.	Programme	Nature of linkage
1	Training	Training at farmers field with staff of Horticulture
1	Training	department

6.4. Nature of linkage with National Fisheries Development Board :- Nil

6.5. Additional Activities planned including sponsored projects (NARI / DAESI / DAMU / DFI / PKVY / Skill Trainings / TSP / KKA /Seed Hub on Pulses, etc.) schemes during 2024, if involved:- Nil

6.6. Activities planned in respect of FPOs / FPCs :- Nil

6.7. Activities planned in respect of developing Integrated Farming System (IFS) Models on farmers' fields during 2025

S. No	Name of the village	No. of IFS models to be identified / developed	Major components of IFS model
1	Palas, Saraya & Thorala	12	Horticulture, Animal , Pulses & Cereals product

7. Convergence with other agencies & line departments in the district: Nil

8. Innovator Farmer's Meet 2025

Sl. No.	Particulars	Details	Expected No. of participants
	Farm innovators meet planned		
1	-	November	50
	For Kamalam fruit		

9. Utilization of hostel facilities:- Farmers and extension workers will stayed in hostel if programme will 2 or more days.

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	-		-
	Farmers scientist's			
2	interaction	-	- Video conferencing /	
	programme		Audio Conferencing /	
3	Farmers seminars	-	Facebook Live /	-
4	Expert lectures	- YouTube Live		-
5	Any other (Pl. specify)	-		-

10.Details of online activities planned (If any)

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

Training Programme

1) 1 al 1	No. of N							ımb		
Date	Clientele	Title of The Training	Duration	Participants				SC/	Grand	
		Programme	In Days	Μ	F	Т	Μ	F	Τ	Total
Crop Pi	roduction									
Jan-	PF/FW	Importance and use of bio fertilisers	1	22	00	22	03	00	03	25
Mar	PF/FW	Bio formulations used in NF	1	22	00	22	03	00	03	25
Apr- May	PF/FW	Natural Farming in <i>Kharif</i> Crops	1	22	00	22	03	00	03	25
Jun- Aug	PF/FW	Preparation of <i>Jivamrut</i> and its role in crop production	1	22	00	22	03	00	03	25
Sep- Dec	PF/FW	Integrated nutrient management	1	22	00	22	03	00	03	25
Soil Hea	alth				-	-				
Apr- May	PF/FW	Importance of soil and water analysis.	1	22	00	22	03	00	03	25
Plant P	rotection			-	-	-	-	-	-	
Jan- Mar	PF/FW	Insect pest & disease management in <i>rabi</i> crops.	1	22	00	22	03	00	03	25
Apr- May	PF/FW	Pest & disease Management in <i>kharif</i> crops.	1	22	00	22	03	00	03	25
Jun- Aug	PF/FW	Integrated pest and disease management in <i>kharif</i> crops.	1	22	00	22	03	00	03	25
Sep- Dec	PF/FW	Plant protection measures in natural farming	1	22	00	22	03	00	03	25

I) Farmers & Farm women (On Campus)

II) Extension personnel (On Campus)

Date	Clientele	8		No. of Participants				ımb SC/	Grand Total	
				Μ	F	Т	Μ	F	Τ	
June	EF	Integrated pest management in <i>Kharif</i> crop	1	34	03	37	03	00	03	40
October		New recommendation and package of practice of <i>Rabi</i> crops	1	34	03	37	03	00	03	40

Date	Clientele	Title of The Training	Duration	Number of Participants			Number of SC/ST			Grand
		Programme	In Days	Μ	F	Τ	M	F	Τ	Total
Crop Pr	oduction	I.	[1		[T	1	r	
Jan-Mar	PF/FW	Importance and criteria for natural farming	1	22	01	23	02	00	02	25
Apr- May	PF/FW	Integrated nutrient management in <i>kharif</i> crops	1	21	01	22	03	00	03	25
	PF/FW	Integrated weed management	1	22	01	23	02	00	02	25
	PF/FW	Natural farming in groundnut	1	21	01	22	03	00	03	25
-	PF/FW	Irrigation management in <i>rabi</i> crops	1	21	01	22	03	00	03	25
Jun- Aug	PF/FW	Integrated nutrient management in <i>rabi</i> crops	1	21	01	22	03	00	03	25
	PF/FW	Irrigation management in NF	1	22	01	23	02	00	02	25
Sep- Dec	PF/FW	Management of organic carbon in natural farming	1	21	01	22	03	00	03	25
Soil Hea	lth									
Apr- May	PF/FW	Information regarding Bio- fertilizer application in different crops.	ertilizer application in different 1 22 1					00	2	25
Jun- Aug	PF/FW	Role of different macro and micro nutrients	1	22	00	22	03	00	03	25
Plan Pro	otection			1		1	1		1	
Ion Mon	PF	Insect pest & disease management in <i>rabi</i> crops.	1	22	02	24	01	00	01	25
Jan-Mar	PF	Role of predator and parasite in natural farming.	1	22	00	22	03	00	03	25
	PF	Store grain pest and their management and precautions	1	21	00	21	04	00	04	25
Apr- May	PF	Practical training for preparation of different component of Natural farming for pest management	1	22	01	23	02	00	02	25
	PF	Different criteria for natural farming	1	22	02	24	01	00	01	25
	PF	Integrated pest & disease management in <i>kharif</i> crops.	1	20	03	23	02	00	02	25
Jun- Aug	PF	Integrated pest & disease management in <i>Kharif</i> crops.	1	22	01	23	02	00	02	25
	PF	Insect pest management in natural farming	1	22	00	22	03	00	03	25
Sep-	PF	Role of predator and parasite in pest management.	1	22	00	22	03	00	03	25
Dec	PF	Different components of plant protection in natural farming	1	22	01	23	02	00	02	25

I) Farmers & Farm women (off Campus)

II) Sponsored programmes

Discipline	Sponsoring Agency	Clientele		No. of Course	Particinante				ıml of C/S		G. Total
			Programme		Μ	F	Τ	M	F	T	
Sponsored T	raining Prog	gramme		[1		1	<u> </u>	
Crop Production	ATMA- Morbi	PF	Management of macro and micro nutrient in natural farming	1	23	00	23	02	00	02	25
Plant Protection	ATMA- Staff	PF	Different IPM modules for relevant crops.	1	24	00	24	01	00	01	25
Plant Protection	DAO- Morbi	PF	Insect & disease management through seed treatment.	1	25	00	25	00	00	00	25
Horticulture	ATMA- Morbi	PF	Scientific cultivation of spices crops.	1	21	00	21	04	00	04	25
Horticulture	Reliance Foundation	PF	Improved varieties and their characteristic of vegetable crops developed by SAUs	1	24	00	24	01	00	01	25
Crop Production	ATMA- Morbi	PF	Different criteria for natural farming	1	22	01	23	02	00	02	25
Crop Production	ATMA- Morbi	PF	Importance and use of bio fertilizer	1	22	00				03	25
			Total	7	161	1	162	13	0	13	175
		Sponsored Research Programme – Nil Any Special Programmes – Nil									

Annexure - II

No.	Particulars	BE 2025-26 proposed (Rs.)(Lac)
1	Recurring Contingencies	
1.1	Pay & Allowances	108.2
1.2	Traveling allowances	1.3
1.3	Contingencies	
Α	Stationery, telephone, postage and other expenditure on office running, publication of newsletter and library maintenance (purchase of news paper& magazines)	9.3
В	Pol, repair of vehicles, tractor and equipments	2.6
С	Meals/refreshment for trainees (ceiling up to rs.40/day/trainee be maintained)	2.6
D	Training material (posters, charts, demonstration material including chemicals etc. Required for conducting the training)	1.3
Ε	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	1.3
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	1.3
G	Training of extension functionaries	1.3
Н	Maintenance of buildings	0.8
Ι	Establishment of soil, plant & water testing laboratory	1.3
J	Library	0.2
	TOTAL Recurring Contingencies	131.5
2	Non-Recurring Contingencies	
2.1	Works	00
2.2	Equipments Including SWTL & Furniture	00
2.3	Vehicle (Four wheeler/Two wheeler, please specify)	00
2.4	Library (Purchase of assets like books & journals)	00
	TOTAL Non-Recurring Contingencies	00
	REVOLVING FUND	-
	GRAND TOTAL	131.5

Details of budget estimate (2025-26) based on proposed action plan