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ANNUAL ACTION PLAN

(January-2025 to December-2025)

OF

KRISHI VIGYAN KENDRA
JAMNAGAR

TO BE PRESENTED AT
ANNUAL ACTION PLAN WORKSHOP OF KVKS OF JAU & NAU
HELD AT
NAVSARI AGRICULTURAL UNIVERSITY, NAVSARI
on MARCH 10, 2025

Edited/Compiled by
Dr. K. P. Baraiya, Senior Scientist & Head
Smt. A. K. Baraiya, Scientist

KRISHI VIGYAN KENDRA
JUNAGADH AGRICULTURAL UNIVERSITY
JAMNAGAR - 361 006
GUJARAT

CONTENT

ANNUAL ACTION PLAN
(January 2025 to December 2025)

KRISHI VIGYAN KENDRA
JUNAGADH AGRICULTURAL UNIVERSITY, JAMNAGAR

1 GENERALINFORMATION ABOUT THE KVK

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

Address	Telephone		E mail	Web address
	Office	FAX		
Krishi Vigyan Kendra Millet Research Station, JAU Air-force Road, Opp. Digjam Mill Jamnagar- 361 006	(0288) 2710165	(0288) 2710165	kvkjamnagar@gmail.com kvkjamnagar@jau.in	www.jau.in

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

Address	Telephone		E-mail	Web address
	Office	FAX		
Junagadh Agricultural University, Junagadh – 362 001 (Gujarat)	PBX 2672080-90	(0285) 2672653	dee@jau.in	www.jau.in

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. K. P. Baraiya	Senior Scientist & Head Krishi Vigyan Kendra Junagadh Agricultural University, Air-force Road, Opp. Digjam Mill Jamnagar- 361 006	9427980032	kvkjamnagar@gmail.com kvkjamnagar@jau.in

1.4. Year of sanction:

ZARS (KVK) 2001, Letter No.F.No. 18(4)/99-NATP Dated October 31st, 2001
ICAR (KVK) 2004, Letter No.F.No. 8(1)/2002-AE-II(Pt.) Dated February 5th, 2004

1.5. Staff Position (as on 31st December, 2024)

Sl. No.	Sanctioned post	Name of the incumbent	Discipline	If Permanent, Please indicate		Date of joining	If Temporary, pl. indicate the consolidated amount paid (Rs./month)
				Current Pay Band	Present Basic		
1	Senior Scientist & Head	Dr. K.P. Baraiya	Plant Protection	131400-217100	156900	24.03.2015	
2	Scientist	Vacant	Crop Production	57700-182400			
3	Scientist	Vacant	Plant Protection	57700-182400			
4	Scientist	Vacant	Horti./ Ag. Engg	57700-182400			
5	Scientist	Vacant	Ext. Education	57700-182400			
6	Scientist	Vacant	Fisheries/ Veterinary	57700-182400			

7	Scientist	Smt. A. K. Baraiya	Home Science	68900-205500	101200	17.08.2006	
8	Farm Manager	Smt. D. G. Patel	Agronomy	39900-126600	41100	30.07.2018	
9	Programme Assistant	Shri N. D. Ambaliya	Agril.	39900-126600	41100	01.02.2020	
10	Computer Programmer	Shri C. P. Padhiyar	Computer Operator	39900-126600	56900	29.12.2008	Pooled at Junagadh
11	Accountant / Superintendent	Vacant	Adm.	39900-126600	-	-	
12	Stenographer	Shri. V. A. Jadav	Adm.	19900-63200	-	27.07.2021	26000/-
13	Driver	Vacant	Supt.	19900-63200	-	-	
14	Driver	Shri. D.M. Chauhan	Supt.	21700-69100	30200	9.10.2007	
15	Supporting staff	Shri B. V. Bamaniya	Supt.	15000-47600	21500	01.11.2014	
16	Supporting staff	Shri B. G. Mokariya	Supt.	15700-50000	31100	21.03.2003	

1.6.Total land with KVK (in ha) :20.84 ha

Sl. No.	Item	Area in hectare(s)*
1	Under Building and Road	2.00
2	Under Demonstration units	0.70
3	Under crops	12.40
4	Orchard	3.50
5	Agro-forestry	0.24
6	Others (Farm Pond & Channels)	2.00
	Total	**20.84**

2 DETAILS OF DISTRICT

Jamnagar and Devbhumi Dwarka district comes under North Saurashtra Agro-Climatic Zone -VI with an area of 35.02 lakh hectare land. The total geographical area of entire district (21.8 - 22 N and 69.0 - 70.7 E) occupies 14125 km^2 i.e. 14.125 lakh hectare are in the west cost of Gujarat.

Basic information of operational district: Jamnagar

Sr. No.	Details	JAMNAGAR		DEVBHUMI DWARKA	
1	Total geographical area	6.075 lakh ha.		4.07509 lakh ha.	
2	Total cultivable area	4.32 lakh ha.		2.52 lakh ha.	
3	Net cultivated area	3.53 lakh ha.		2.38 lakh ha	
4	Total area under forest	0.43 lakh ha.		0.1736 lakh ha	
5	Total irrigated area	0.939 lakh ha.		0.23092 lakh ha.	
6	Number of holdings	1.44 lakh		1.17 lakh	
7	Average annual rainfall	550 mm.		550 mm.	
8	Soil type	Medium black		Medium black	
9	Total number of villages	419 (8 city)		280 (8 city)	
10	Total population	13.89 lakh (2011)		7.48 lakh (2011)	
	(a) Male	7.18lakh .		3.84lakh .	
	(b) Female	6.71 lakh		3.64lakh .	
11	Literacy percentage	Rural	Urban	Rural	Urban
	a. Male	86.95	79.55	76.14	80.74
	b. Female	76.22	62.18	55.41	61.36
12	Number of talukas	6 (Six),		4 (Four)	
		Jamnagar		Jamkhambhalia	
		Dhrol		Jamkalyanpur	
		Jodiya		Okha Mandal (Dwarka)	
		Kalavad		Bhanvad	
		Lalpur			
		Jamjodhpur			

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

Sr.No	Farming systems / enterprise			
1.	Crops	Cereals	:	Pearl millet, sorghum, wheat, maize
		Pulses	:	Greengram, blackgram, chickpea, pigeonpea
		Oilseeds	:	Groundnut, sesamum, castor, mustard
		Cash crops		Cotton
		Spices & condiments	:	Cumin, fennel, coriander, ajwan, ishabagul
		Vegetables	:	Onion, garlic, potato, chilli, brinjal, tomato, cauliflower, cowpea, cabbage, okra, peach, cucurbits
		Horticulture	:	Sapota, pomegranate, lemon (citrus) , Jamun, aonla, guava, custard apple, papaya, coconut, ber, almond, banana, Dragon fruit, Date palm
		Floriculture	:	Rose, merigold, vevanti
		Other crops	:	Chikori, fenugreek
2.	Live stock	Bullocks and cows	:	
		Buffaloes	:	209616
		Sheep	:	232530
		Goats	:	173022
		Horse and camel	:	410/2260
		Poultry	:	38041
		Other animals	:	-
3.	Fishery	340 km coastal belt	:	4832 tonnes fish production

2.2 Weather data (January-24 to December-24)

Weekly mean Weather data-at JAU, Jamnagar during-2024

	Temp. °c		R.H.%		WS	BSS	Eo	Rain	Rainy
Week No	Max	Min	I	II	(kmph)	(hrs)	(mm)	(mm)	Days
1-J	25.6	13.4	77	36	5.0	9.0	3.5		
2	26.2	15.2	72	34	3.1	9.7	4.1		
3	27.3	13.8	93	30	3.2	9.1	4.2		
4	27.5	12.9	82	28	6.5	9.2	4.6		
5	29.3	16.9	87	40	6.3	8.6	4.5		
6-F	28.1	16.5	80	32	8.1	8.8	4.7		
7	29.1	16.0	67	27	8.0	8.8	5.1		
8	30.0	17.5	82	33	11.2	10.0	5.5		
9	29.8	18.9	62	34	11.6	8.2	5.6		
10-M	30.3	15.9	65	19	7.9	10.2	5.9		
11	32.4	18.7	79	28	6.4	9.9	6.3		
12	35.7	20.6	85	29	6.9	10.9	6.6		
13	33.5	22.6	91	44	9.5	10.0	6.6		
14-A	33.8	22.7	90	40	8.9	8.7	6.6		
15	36.1	24.6	85	38	8.6	9.5	7.4		
16	35.8	25.3	77	35	9.2	10.1	7.8		

17	35.1	25.0	80	41	10.1	11.3	8.0		
18	36.9	25.6	74	33	10.4	9.2	9.1		
19-M	36.2	26.8	82	44	12.7	11.1	9.3		
20	38.0	27.8	77	42	13.2	8.8	9.9	1.0	
21	36.3	28.3	81	50	19.8	10.5	9.4		
22	38.0	29.4	74	47	12.6	10.9	9.9		
23-J	36.8	28.0	74	53	12.4	10.4	9.7		
24	36.6	28.5	74	52	9.2	9.3	9.6		
25	37.5	29.0	80	58	8.9	7.7	8.5	54.5	1
26	34.6	27.9	90	71	6.2	4.8	5.5	15.0	4
27-J	33.3	27.9	89	68	10.9	2.7	4.1	84.0	1
28	34.6	27.9	88	67	10.4	6.3	5.0	24.0	2
29	34.0	26.8	96	76	6.5	5.4	3.1	163.5	5
30	31.1	27.1	92	80	9.7	1.6	3.0	122.0	2
31	30.9	26.5	93	83	8.9	1.4	3.7	49.0	4
32-A	30.8	26.4	90	81	7.9	1.7	3.1	18.0	3
33	31.6	26.1	91	79	6.5	3.7	3.3	14.5	3
34	33.3	26.7	87	69	8.8	6.8	4.1	27.5	1
35	29.6	25.2	96	79	13.1	2.8	1.8	604.0	4
36-S	32.0	26.0	94	70	6.9	6.1	3.7	1.5	
37	32.7	25.1	86	60	8.1	7.8	4.6		
38	32.9	25.1	88	62	7.1	8.7	4.8		
39	33.2	25.6	89	66	8.4	6.2	4.5	28.0	2
40-O	33.4	25.5	87	62	6.6	8.1	4.5		
41	34.5	26.2	81	55	4.8	5.8	4.9	9.0	1
42	34.3	26.1	90	58	3.8	6.5	4.8	4.0	1
43	35.7	24.7	89	41	3.8	8.2	5.0	2.5	1
44	35.8	22.0	84	34	5.0	9.8	5.0		
45-N	34.9	21.5	74	32	4.1	9.3	4.4		
46	33.3	19.1	67	29	2.6	8.4	4.3		
47	30.4	16.1	61	28	3.8	8.5	3.8		
48	29.6	15.2	63	35	4.2	8.1	3.6		
49-D	29.4	16.8	67	33	5.3	8.5	3.7		
50	25.9	13.7	51	20	7.9	9.2	3.6		
51	25.4	12.1	68	29	4.7	7.4	3.5		
52	24.4	14.8	64	36	4.0	6.6	3.5		
Mean	**32.4**	**22.4**	**81**	**47**	**7.9**	**7.9**	**5.4**	**1222.0**	**35**
Highest	**38.0**	**29.4**	**96**	**83**	**19.8**	**11.3**	**9.9**		
Lowest	**24.4**	**12.1**	**51**	**19**	**2.6**	**1.4**	**1.8**		

* Source: Meteorological observatory, Millet Research Station, JAU, Jamnagar

2.3 Details of Operational area/ Villages (2024 to 2026)

Sl No	Taluka	Name of the village	Major crops & enterprises	Major problem identified	Identified thrust area
1	**Jodia**	Vavadi, Beraja, Bhadra, Bhimkata, Manamora	Cotton, groundnut, sesame, castor, greengram, wheat, Gram, cumin, Ajwain, mustard, Soyabean, Vegetable, Fruit crops flowers, live-stock etc	Heavy infestation of sucking pest in cotton, stem rot disease & whitegrub in Groundnut, Root rot in castor, Less area under horticulture crops, Blight in cumin, salinity, pink bollworm in cotton	- ICM in major crops of the district - Organic crop production - Introduction of new crop - Recycling of farm waste - Popularization of MIS - Soil Reclamation - Farm women empowerment - Farm mechanization - Natural farming - Value addition
2	**Lalpur**	Nani Rafudad, Vadpanchasara, Baghla, Nanduri, Ishwariya			
3	**Dwarka**	Tunpani, Gorinja, Positra, Vasai, Kalyanpur			

2.4 Priority thrust areas

Sl. No	Crop/ Enterprise	Thrust area
1.	Cotton, groundnut, castor, cumin, coriander, wheat, vegetables, fruits, etc.	➢ Integrated Crop Management in major crops ➢ IPM & IDM in major field crops ➢ White grub management in Groundnut ➢ Wireworm management in garlic & Onion ➢ Yellowing of wheat ➢ Required value addition and storage technique to reduce spoilage of agricultural produce.
2.	Organic farming	Enhancement of organic farming through improved technologies
3.	Farm waste/ organic matter	Recycling of farm waste through composting, vermin-compost, green manuring, etc.
4.	Micro irrigation	Efficient use of water by micro irrigation system, water harvesting structure, and water conservation techniques
5.	Soil	Reclamation of saline & alkaline soils
6.	Water	Water table moved downward and problem of saline water increase.
7.	Farm Women	Farm women empowerment by training in value addition, handy crafts, and small-scale enterprises

3. TECHNICAL PROGRAMME

3.1. Details / Summary of targeted mandatory activities by KVK

OFT		FLD	
(1)		(2)	
Number of OFTs	Number of Farmers	Area (ha)	Number of Farmers
2	6	176	441

Training		Extension Activities	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
36	1440	229	17557

Seed Production (Qtl.)	Planting material (Nos.)	Fish seed prod. (kg)	Soil Samples
(5)	(6)	(7)	(8)
138.50	1700	0	350

3.2. Details of On Farm Trial / Technology Assessment/Refinement during 2025

S. No.	Crop/ enterprise	Prioritized problem	Title of OFT
1	Brinjal	Infestation of sucking pests in Brinjal	Management of Brinjal whitefly
2	Groundnut	Heavy incidence of leaf spot & rust in later stage	Management of foliar diseases in groundnut

OFT-1 Brinjal (Assessment)
Title: Management of Brinjal whitefly
Objective: To manage the leaf sucking pest infestation in sesame
Problem definition: attack of leaf sucking pest is increase

- Heavy infestation of leaf sucking pest was found
- Improper cultivation practices
- Lack of knowledge about pest outbreaks and its management

Problem diagram :-

Improper cultivation practices	**Management of brinjal whitefly**	Irregular irrigation
Mono-cropping system		Lack of knowledge about pest outbreaks and its management
No adoption of recommended practices		In judicious use of chemical pesticide
Farmer follows instruction given by the local pesticides retailer		Heavy incidence of pest and disease attack

Treatments:

1. Injudicious use of insecticides. (Spray insecticides at weekly interval) **(Farmers practices).**
2. Three sprays of chlorantraniliprole 18.5 SC, 0.002 %, 1.08 ml/10 litre water at 15 days interval starting from the pest infestation are recommended under South Saurashtra

Agro-climatic Zone. The PHI for chlorantraniliprole 18.5 SC, 0.002 % is one day.**(Recommendation)**

3. Spray of *Beauveria bassiana* 1.15 WP (Min. 2 x 106 cfu/g) 0.007 % (60 g/10 litre of water), first spray at pest initiation and subsequent four spray should be given at 10 days interval after first spray.**(Refinement 1)**
4. Spray of Difenthuron 50% WP @ 5 g/lit of water at 15 days interval at pest initiation. **(Refinement 2)**

No. of Replication: 3 (Farmers)

Observations:

1. Record no. of whitefly per leaf.
2. Yield data.

Cost of OFT : (Rs. 810/- per person)

OFT:2

Title: Management of foliar diseases in groundnut

Objective: To minimize the foliar diseases (leaf spot and rust) in groundnut

Problem definition:

1. Heavy incidence of rust in later stage
2. Heavy incidence of leaf spot
3. Lack of knowledge about scheduled spray of fungicides
4. Problem in identification and diseases initiation
5. Injudicious use of fertilizer
6. Excess irrigation
7. Multi season cropping system
8. Mono cropping system
9. Overlapping of the crop's seasons
10. Treatment of diseases after savior attack

Problem diagram :-

Heavy incidence of rust in later stage	**Management of foliar diseases (leaf spot and rust) in groundnut**	Treatment of diseases after savior attack
Mono cropping system		Overlapping of the crop's seasons
Heavy incidence of leaf spot		Multi season cropping system
Excess irrigation		Injudicious use of fertilizer
Problem in identification and diseases initiation		Lack of knowledge about scheduled spray of fungicides

Treatments:

1. **Farmer's Practices**:-Injudicious use of fungicides. [use of hexaconazole, carbendazim, floxistrobin, Metalaxyl 8 + Mancozeb 64, Kitazin 48 EC, Kresoxim-Methyl 44.3 SC, Azoxystrobin 11 + Tebuconazole 18.3 SC, Chlorothalonil 75 WP, Cymoxanil 8 + Mancozeb 64 WP, Difenconazole 25 EC, Tebuconazole + Trifloxystrobin 75 WG, Tebuconazole 25 EC] after severe attack of diseases.
2. **Recommendation** :-Foliar spray of hexaconazole 5% SC (10ml/10 lit water) at 40 DAS + Foliar Spray of Talcum powder based *Pseudomonas fluorescens* 0.5% ($2x10^6$ cfu/g) @ 100 gm/10 litre water at 60 and 80 DAS.
3. **Refinement:-** Foliar spray of Foliar Spray of Talcum powder based *Pseudomonas fluorescens* 0.5% ($2x10^6$ cfu/g) @ 100 gm/10 litre water at 40, 60 and 80 DAS.

No. of Replication: 3 (Farmers)

Source of Technology: - Department of Plant Pathology, COA, JAU, Junagadh

Thematic area: IDM

Observations:

1. Record early and late leaf spot and rust from five randomly selected plants from each plot at 30, 60 and 90 days after germination and at harvest stage
2. Record yield.

Cost of OFT : (Rs. 3400/- per person)

3.3 FRONTLINE DEMONSTRATIONS

A. Details of FLDs to be organized –

Sr. No.	Name of Crop/ Enterprise	Name of Variety Enterprises	Thematic area	Technology demonstrated	Critical Inputs	Season and year	Area (ha.)	No. of farmers /Demo.	Parameters identified	Cost per trial (Rs.)
1	Cotton	Bt. Cotton	IPM/INM	Insecticide, Bio pesticide	*Azadirechtin*, Pheromone trap, SNPV, *Beauveria bassiana*	Kh-25	10	25	yield	3550
2	Wheat	GW- 451/ 463/513	Varietal	Variety	Seed	Rabi-25	4	10	Yield	1800
3	Ajwain	Gujarat Ajwain-2	IPM/IDM	Bio pesticide Bio fertilizer	Seed, Trichoderma, *Beauveria bassiana* Azotobacter, PSB, Mix micronutrient	Kh-25	4	10	Yield	1430
4	Pearl millet	GHB-1231	Varietal	Variety	Seed	Sum-25	4	10	Yield	300
Other Scheme										
5	**NMOOP**-Groundnut	GG 37	Improved Variety with ICM	Improved Variety, Bio pesticide, Bio fungicide, Bio fertilizer	Improved var. Seed (GG-37), *Metarhizium anisopliae*, *Trichoderma*, PSB, Rhizobium, *Beauveria bassiana*	KH-25	60	150	Yield, % pod damage	3780
6	**NMOOP**-Sesame	GTil -5/6	Improved Variety with ICM	Improved Variety, Bio pesticide, Bio fungicide, Bio fertilizer	Improved var. Seed (GTil-5/6), *Beauveria bassiana*, Trichoderma, PSB, Azotobacter	Sum-25	40	100	Yield, % pod damage	2850

Sr. No.	Name of Crop/ Enterprise	Name of Variety Enterprises	Thematic area	Technology demonstrated	Critical Inputs	Season and year	Area (ha.)	No. of farmers /Demo.	Parameters identified	Cost per trial (Rs.)
7	**NFSM**-Chickpea	GG-5/7	Improved Variety with ICM	Improved Variety, Bio pesticide, Bio fungicide, Bio fertilizer	Improved var. Seed(GG-5), *Beauveria bassiana*, *Trichoderma*, PSB, *Rhizobium*	Rabi-25	20	50	Yield, % pod damage	3600
8	**ATIC** Castor	GCH-9	Varietal	Variety	Seed (GCH-9)	Kh-25	8	20	Yield	600
9	**ATIC** Cumin	GC-5	ICM	Improved seed Bio pesticide Bio fertilizer	*Beauveria bassiana*, PSB, *Azotobacter Trichoderma*, Yello sticky trap	Rabi-25	8	20	Yield	1930
10	**ATIC** Coriander	GC-3	ICM	Improved variety, Bio pesticide Bio fertilizer	Seed, PSB, *Azotobacter*, *Beauveria bassiana*, *Trichoderma*, Yello sticky trap	Rabi-25	8	20	Yield	950
11	**ATIC** Brinjal	GJBH-4	Varietal	Variety, MDP, Pheromone	Seed, MDP, Pheromone trap	Rabi-25	2	5	Yield	750
12	**Natural farming**	Wheat	INM	Jivamrut	Materials for jivamrut	Rabi-2025	4	10	Yield	2820
13	**FOM**		Natural				4	11		
14					**Total**		**176**	**441**		

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	Cost per trial (Rs.)
Cotton Picking Apron	Cotton	Kharif-24	5	2	Apron	Picking efficiency	500

b. FLD on Other enterprises

Enterprise	Name of the technology demonstrated	No. of farmers	No. of units	Critical inputs	Performance parameters / indicators	Cost per trial (Rs.)
Kitchen gardening	Nutritional gardening	50	2 ha	Vegetable seeds, *Beauveria bassiana*	Yield	350

3.4. TRAINING (INCLUDING THE SPONSORED AND FLD TRAINING PROGRAMMES):

ON Campus

(A) Farmers & Farm Women	No. of couses	No. of participant						
		others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
I Crop Production	2	55	0	55	5	0	5	60
II Horticulture	1	0	30	30	0	0	0	30
III Soil Health and Fertility Management	1	25	0	25	5	0	5	30
IV Livestock Production and Management	1	0	30	30	0	0	0	30
V Home Science/Women empowerment	2	0	50	50	0	10	10	60
VI Agril. Engineering	0	0	0	0	0	0	0	0
VII Plant Protection	5	140	0	140	10	0	10	150
VIII Fisheries	0	0	0	0	0	0	0	0
IX Production of Inputs at site	1	30	0	30	0	0	0	30
X Capacity Building and Group Dynamics	0	0	0	0	0	0	0	0
XI Agro-forestry	0	0	0	0	0	0	0	0
XII Others (Pl. Specify)	0	0	0	0	0	0	0	0
Total (A)	**13**	**250**	**110**	**360**	**20**	**10**	**30**	**390**
(B) RURAL YOUTH	1	0	25	25	0	5	5	30
(C) Extension Personnel	1	25	0	25	5	0	5	30
Grand Total (A+B+C)	**15**	**275**	**135**	**410**	**25**	**15**	**40**	**450**

Off Campus

(A) Farmers & Farm Women	No. of couses	No. of participant						
		others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
I Crop Production	3	135	10	145	5	0	5	150
II Horticulture	1	40	0	40	10	0	10	50
III Soil Health and Fertility Management	3	110	35	145	5	0	5	150
IV Livestock Production and Management	1	0	45	45	0	5	5	50
V Home Science/Women empowerment	5	0	230	230	0	20	20	250
VI Agril. Engineering	1	30	0	30	0	0	0	30
VII Plant Protection	5	220	15	235	15	0	15	250
VIII Fisheries	0	0	0	0	0	0	0	0
IX Production of Inputs at site	1	30	0	30	0	0	0	30
X Capacity Building and Group Dynamics	0	0	0	0	0	0	0	0
XI Agro-forestry	0	0	0	0	0	0	0	0
XII Others (Pl. Specify)	0	0	0	0	0	0	0	0
Total (A)	**20**	**565**	**335**	**900**	**35**	**25**	**60**	**960**
(B) RURAL YOUTH	0	0	0	0	0	0	0	0
(C) Extension Personnel	1	25	0	25	5	0	5	30
Grand Total (A+B+C)	**21**	**590**	**335**	**925**	**40**	**25**	**65**	**990**

Consolidated (On + Off Campus)

(A) Farmers & Farm Women	No. of couses	No. of participant						
		others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
I Crop Production	5	190	10	200	10	0	10	210
II Horticulture	2	40	30	70	10	0	10	80
III Soil Health and Fertility Management	4	135	35	170	10	0	10	180
IV Livestock Production and Management	2	0	75	75	0	5	5	80
V Home Science/Women empowerment	7	0	280	280	0	30	30	310
VI Agril. Engineering	1	30	0	30	0	0	0	30
VII Plant Protection	10	360	15	375	25	0	25	400
VIII Fisheries	0	0	0	0	0	0	0	0
IX Production of Inputs at site	2	60	0	60	0	0	0	60
X Capacity Building and Group Dynamics	0	0	0	0	0	0	0	0
XI Agro-forestry	0	0	0	0	0	0	0	0
XII Others (Pl. Specify)	0	0	0	0	0	0	0	0
Total (A)	**33**	**815**	**445**	**1260**	**55**	**35**	**90**	**1350**
(B) RURAL YOUTH	1	0	25	25	0	5	5	30
(C) Extension Personnel	2	50	0	50	10	0	10	60
Grand Total (A+B+C)	**36**	**865**	**470**	**1335**	**65**	**40**	**105**	**1440**

Details of training programmes attached in Annexure –I

3.5. Extension Activities (including activities of FLD programmes)

Nature of Extension Activity	No. of active ities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	9	190	30	220	25	10	35	215	40	255
Kisan Mela	1	250	50	300	50	20	70	300	70	370
Kisan Ghosthi	6	180	25	205	25	15	40	205	40	245
Exhibition	2	150	230	380	40	10	50	190	240	430
Film Show	15	850	350	1200	115	35	150	965	385	1350
Method demonstration	3	25	15	40	10	5	15	35	20	55
Farmers Seminar	5	150	40	190	40	10	50	190	50	240
Workshop	1	200	100	300	25	10	35	225	110	335
Group meetings	5	50	10	60	15	5	20	65	15	80
Lectures delivered as resource persons	25	3200	600	3800	1100	350	1450	4300	950	5250
Newspaper coverage	5	0	0	0	0	0	0	0	0	0
Radio talks	1	0	0	0	0	0	0	0	0	0
TV talks	1	0	0	0	0	0	0	0	0	0
Popular articles	4	0	0	0	0	0	0	0	0	0
Extension Literature	12	1100	100	1200	500	50	550	1600	150	1750
Advisory Services	50	250	50	300	100	10	110	350	60	410

Scientific visit to farmers field	20	120	10	130	30	2	32	150	12	162
Farmers visit to KVK	25	550	250	800	200	120	320	750	370	1120
Diagnostic visits	5	30	5	35	5	2	7	35	7	42
Exposure visits	1	30	0	30	10	0	10	40	0	40
Ex-trainees Sammelan	1	20	5	25	4	1	5	24	6	30
Soil health Camp	1	100	20	120	30	20	50	130	40	170
Animal Health Camp	1	50	10	60	20	5	25	70	15	85
Agri mobile clinic	1	3000	100	3100	350	50	400	3350	150	3500
Soil test campaigns	1	60	0	60	12	0	12	72	0	72
Farm Science Club Conveners meet	1	50	0	50	4	0	4	54	0	54
Self Help Group Conveners meetings	1	12	5	17	3	2	5	15	7	22
MahilaMandals Conveners meetings	4	8	30	38	4	25	29	12	55	67
Celebration of important days (specify)	3	400	150	550	60	80	140	460	230	690
Krishi Mahotsav	5	0	20	20	0	20	20	0	40	40
KrishiRath	1	40	0	40	20	0	20	60	0	60
Pre Kharif workshop	3	80	0	80	30	0	30	110	0	110
Pre Rabi workshop	4	100	20	120	15	3	18	115	23	138
PPVFRA workshop	1	20	10	30	10	5	15	30	15	45
Any Other (Specify)	5	220	20	240	90	10	100	310	30	340
Total	**229**	**11485**	**2255**	**13740**	**2942**	**875**	**3817**	**14427**	**3130**	**17557**

3.6 TARGET FOR PRODUCTION AND SUPPLY OF TECHNOLOGICAL PRODUCTS

SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (qtl.)
CEREALS	Wheat	GW-496	84
OILSEEDS	Groundnut	GG-37	181
PULSES	Chickpea	GG-7	26
		Total	**291**

PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)
FRUITS	Jamun, Guava, custard apple		100
SPICES			
VEGETABLES	Brinjal, Tomato, Chili	GJLB-3,4	1500
FOREST SPECIES			100
		Total	**1700**

Bio-products

Sl. No.	Product Name	Species	Quantity	
			No/Li.	(kg)
1	*Beauveria*			5000
2	*Trichoderma*			10000
3	PSB		200	
4	*Azaobactor*		200	
5	Rhizobium		200	

		Total	**600**	**15000**

LIVESTOCK

Sl. No.	Type	Breed	Quantity	
			(Nos)	Unit
0	0	0	0	0

4. Targets of samples for analysis:

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	300	300	15	
Water	50	50	12	
Plant				
Total	**350**	**350**	**27**	

5. ACTION PLAN OF INFRASTRUCTURE IN KVK

A. Action plan of demonstration units (other than instructional farm)

Sl. No.	Demo Unit	Year of establishment	Area (ha)	Details of production (expected)			Expected Amount (Rs.)		Remarks
				Variety	Produce	Qty.	Cost of inputs	Gross income	
1	Crop Cafeteria	Every year	0.5	-	-	-	20000	-	
2	Vermicompost	2008	0.1	-	-	-	10000	20000	
3	Nursery	2012	0.05	Sapling	1700	No	20000	30000	

B. Action plan of instructional farm (Crops) including seed production

Name of the crop	Area (ha)	Details of production (expected)			Expected Amount (Rs.)		Remarks
		Variety	Type of Produce	Qty. (Qtl)	Cost of inputs	Gross income	
Cereals							
Wheat	2.4	GW-496	Truthful	84	50000	225000	
Pulses							
Chickpea	2	GG-7	Truthful	26	95600	300000	
Oilseeds							
Groundnut	14	GG-37	Breeder	154	970000	2600000	
Groundnut	2.5	GG-37	TF	28	135000	182000	
Fibers							
Spices & Plantation crops							
Floriculture							
Fruits							
Vegetables							
Others (specify)							

6 Additional Activities Planned including sponsored projects (ProCRA / Pro SOIL/NARI/DAESI/DAMU/ DFI, etc.) / schemes during 2022-23, if involved.

Out scaling of Natural Farming

S. No.	Name of the agency / scheme	Name of activity	Technical programme with quantification	Financial outlay (Rs.)	Names of the team members involved
1	Out scaling of Natural Farming	Training	10	268000	Dr. K. P. Baraiya Smt. A. K. Baraiya
		Awareness programme	25		
		Demonstration	16		

Fermented Organic Manure for promotion of Natural Farming

S. No.	Name of the agency / scheme	Name of activity	Technical programme with quantification	Financial outlay (Rs.)	Names of the team members involved
1	Fermented Organic Manure	Training Awareness programme Demonstration	10	289100	Dr. K. P. Baraiya Smt. A. K. Baraiya

Annexure - I

TRAINING PROGRAMMES

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										
Quarter-1st	PF	Seed production and storage technique through natural farming	1	30	0	30	0	0	0	30
Quarter-4th	PF	Integrated farming system	1	25	0	25	5	0	5	30
Horticulture										
Quarter– 1st	PF	Nursery raising and its management	1	0	30	30	0	0	0	30
Soil Health										
Quarter-2nd	PF	Importance of Bio fertilizer and Soil health analysis	1	25	0	25	5	0	5	30
Livestock prod.										
Quarter-2nd	PF	Dairy Management and Value addition of milk	1	0	30	30	0	0	0	30
Home Sc.										
Quarter-1st	PF	Value addition in fruits, vegetables and agriculture produce with natural farming	1	0	20	20	0	10	10	30
Quarter-4th	PF	Kitchen Garden, Herbal Garden, Roof top and Balcony Garden for nutritional security	1	0	30	30	0	0	0	30
Plan Prot.										
Quarter-1st	PF	Integrated Disease and pest management through natural farming in Rabi crop	1	30	0	30	0	0	0	30
Quarter-2nd	PF	Management of pink bollworm in cotton & management of white grub in groundnut and other kharif crops	1	25	0	25	5	0	5	30
Quarter-3rd	PF	Naturally management of pest and diseases in *kharif* crops	1	30	0	30	0	0	0	30
Quarter-4th	PF	IPM in vegetable crops: onion & garlic	1	25	0	25	5	0	5	30

Quarter-4th	PF	Store grain pests and its management through natural farming for reduction the storage loss	1	30	0	30	0	0	0	30
Fisheries										
Production of Inputs at site										
Quarter-4th	PF	Production of Vermi-compost and inputs for natural farming	1	30	0	30	0	0	0	30
		Total	**13**	**201**	**97**	**298**	**19**	**13**	**32**	**330**

ii) Farmers & Farm women (Off 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										
Quarter-1st	PF	Summer crop production practices on Natural farming basis	1	45	0	45	5	0	5	50
Quarter-2nd	PF	Integrated weed management in oilseed crops	1	40	10	50	0	0	0	50
Quarter-4th	PF	Crop production technology of Millets through natural farming	1	50	0	50	0	0	0	50
Horticulture										
Quarter– 4th	PF	Processing and value addition in Spices crop	1	40	0	40	10	0	10	50
Livestock prod.										
Quarter-1st	PF	Importance of Nutrients and Feed Management in Animal Husbandry to increase milk production	1	0	45	45	0	5	5	50
Home Sc.										
Quarter-1st	PF	Boosting immunity through fruits and vegetables and aware about Nutritional disease	1	0	50	50	0	0	0	50
Quarter-1st	PF	Food processing and value addition in fruit, vegetable, and other agricultural produce	1	0	50	50	0	0	0	50
Quarter-2nd	PF	Income generation activities for empowerment of women	1	0	45	45	0	5	5	50
Quarter-3rd	PF	House hold food security by kitchen gardening and nutrition gardening	1	0	40	40	0	10	10	50

Quarter-4th	PF	Nutritional Value of Millets and design of Low/ Minimum cost diet	1	0	45	45	0	5	5	50
Agril. Engineering										
Quarter-3rd	PF	Installation and Maintenance of micro irrigation system	1	30	0	30	0	0	0	30
Plan prot.										
Quarter-1st	PF	IPM-IDM in rabi crops (cumin coriander and chickpea)	1	50	0	50	0	0	0	50
Quarter-1st	PF	Storage techniques for pest management and reduction the storage loss	1	45	0	45	5	0	5	50
Quarter-2nd	PF	Management of pink bollworm in cotton & management of white grub in groundnut and other kharif crops	1	45	0	45	5	0	5	50
Quarter-3rd	PF	Pest and disease management in *kharif* crops through natural farming	1	40	10	50	0	0	0	50
Quarter-4th	PF	Integrated Disease and pest management in Rabi crop	1	40	5	45	5	0	5	50
Fisheries										
Production of Inputs at site										
Quarter –3rd	PF	Production of natural farming inputs	1	30	0	30	0	0	0	30
Soil Health										
Quarter-2nd	PF	Use of Bio fertilizer & recycling of farm waste through composting	1	45	0	45	5	0	5	50
Quarter-3rd	PF	Integrated nutrient management in Kharif crop	1	25	25	50	0	0	0	50
Quarter-4th	PF	Improvement of soil fertility through Natural farming	1	40	10	50	0	0	0	50
			20	**565**	**335**	**900**	**35**	**25**	**60**	**960**

ii) 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	women Empowerment	Value addition in fruits and vegetables	Feb	4	0	25	25	0	5	5	30

iii) Training programme for extension functionaries

Date	Clientele	Title of the training programme	Dura-tion in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
On Campus										
Quarter-2nd	EF	Pre-seasonal training on *kharif* crops (Pigeon pea, Green gram, Groundnut, Cotton) production technology through natural resources	2	20	0	20	5	0	5	25
Off Campus										
Quarter-4rd	EF	Pre-seasonal training on *rabi* crops (Cumin, Gram, Wheat, Onion, Garlic production technology through natural resources)	2	20	0	20	5	0	5	25

Quarter and discipline wise summary of training programme :

Discipline	Subject Code	On-Campus					Off-Campus					GT
		Quarter					Quarter					
		I	II	III	IV	Total	I	II	III	IV	Total	
(A) Farmers & Farm Women, Rural Youth												
I Crop Production	CP	1			1	**2**	1	1		1	**3**	**5**
II Horticulture	HO	1				**1**				1	**1**	**2**
III Soil Health and Fertility Management	SFM		1			**1**		1	1	1	**3**	**4**
IV Livestock Production and Management	LPM		1			**1**	1				**1**	**2**
V Home Science/Women empowerment	WOE	1			1	**2**	2	1	1	1	**5**	**7**
VI Agril. Engineering	AEG					**0**			1		**1**	**1**
VII Plant Protection	PLP	1	1	1	2	**5**	2	1	1	1	**5**	**10**
VIII Fisheries	FIS					**0**					**0**	**0**
IX Production of Inputs at site	PI				1	**1**			1		**1**	**2**
X Capacity Building and Group Dynamics	CBD					**0**					**0**	**0**
Total		4	3	1	5	**13**	6	4	5	5	**20**	**33**
(B) Extension Functionaries	EF		1			**1**				1	**1**	**2**
(C) Rural youth	RY	1				**1**					**0**	**1**
Total		**5**	**4**	**1**	**5**	**15**	**6**	**4**	**5**	**6**	**21**	**36**

iv) Sponsored programme

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	
a) Sponsored training progdramme											
AEG	ATMA	PF	Importance of MIS	2	80	0	80	20	0	20	100
PLP	ATMA	PF	Kharif crop protection and production technology	3	100	40	140	10	10	20	160
SFM, AEG	AGAKHAN	PF	INM and MIS in rabi crops	2	50	50	100	5	5	10	110
PLP	DAO	PF	Integrated pest and diseases management in cumin	1	60	0	60	0	0	0	60
PLP	ATMA	PF	IPM & IDM in groundnut, cotton crops	1	55	0	55	5	0	5	60
PLP	DAO	PF	IPM, IDM, INM in groudnnut and cotton	1	55	0	55	5	0	5	60
PLP	ATMA	PF	IPM & IDM in kharif crop	1	55	0	55	5	0	5	60
PLP	Dy.D.Hort.	PF	IPM, IDM, INM in Horticultural Crops	1	55	0	55	5	0	5	60
PLP	ATMA	PF	IPM, IDM, INM in Horticultural Crops	1	55	0	55	5	0	5	60
PLP	DWDU	PF	IPM & IDM in kharif crop	1	55	0	55	5	0	5	60
PLP, CP	ATMA	PF	Seed Production technology and IPM in these crops	1	55	0	55	5	0	5	60
PLP	ATMA	PF	Storage Techniques and IPM in summer crops	1	0	55	55	0	5	5	60
			Total	16	675	145	820	70	20	90	910
b) Sponsored research programme											
			Total								
c) Any special programmes											
SFM	ATMA	PF	World Soil health day	1	50	50	100	10	10	20	120
WOE	ATMA	PF	Mahila Krushi Divas	1	0	100	100	0	20	20	120
			Total	2	50	150	200	10	30	40	240

Annexure - II

Details of Budget Estimate (2025-26) based on proposed action plan

S. No.	Particulars	BE 2024-25 proposed (Rs.)
25.1	**Recurring Contingencies**	
25.1.1	**Pay & Allowances**	**230**
25.1.2	**Traveling allowances**	**2.5**
25.1.3	**Contingencies**	**40**
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 equipment	
C	Meals/refreshment for trainees (ceiling up to Rs.40/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 demonstrations 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	
25.1	**TOTAL Recurring Contingencies**	**167**
25.2	**Non-Recurring Contingencies**	
25.2.1	**Works**	50
25.2.2	**Equipment including SWTL & Furniture**	
25.2.3	**Vehicle** (Four-wheeler/Two-wheeler, please specify)	
25.2.4	**Library** (Purchase of assets like books & journals)	1
25.2	**TOTAL Non-Recurring Contingencies**	**51**
25.3	**REVOLVING FUND**	
25.4	**GRAND TOTAL**	**218**

Annexure-III

Details of Works proposed during 2021-26 for KVK, JAU, JAMNAGAR

Sr. No.	Name of works	Estimated cost for work / renovation etc. (Rs. In Lakh)	Justification for works required to be carried out
1.	**China mosaic on terrace of the building** 1. KVK Office building (400 Sq m)	6.0	There problem of water tank overflow, rain water drainage. Therefore, condition of the ceiling become dangerous, and will be destroyed shortly. Therefore, it is to be required to be renovation. Fitting of china mosaic on the terrace is to be require for long life of the building.
	2. Hostel Building (300 sq m)	4.5	
	3. Training Hall (200 sq m)	3.0	
	4. Quarter E type (135 sq m)	2.03	
	5. Quarter D type (125 sq m x 2 No.) =250 sq m	3.75	
	6. Quarter Ctype (110 sq m x 3 No.)=330 sq m	4.95	
	Total	**24.23 lakh**	
2.	**Wall painting of the building** 1. KVK Office building (400 Sq m)	2.0	Building is to old therefore, whitewash painting is required
	2. Hostel Building (300 sq m)	1.5	
	3. Training Hall (200 sq m)	1.0	
	4. Quarter E type (135 sq m)	0.67	
	5. Quarter D type (125 sq m x 2 No.) =250 sq m	1.25	
	6. Quarter Ctype (110 sq m x 3 No.)=330 sq m	1.65	
	Total	**8.07 lakh**	
3	Farm Fencing wall (L-640 m x h- 3m+1m plinth+1m base = 3200 sq m	40	
4	Open well	25	
5	*Farm Development*	25	
6	*Office equipment*	35	
7	*Soil testing laboratory*	25	
8	*Information technology*	10	
9	*Over Head Water Tank*	40	
10	*Two wheeler*	1.20	
11	*Multi crop thressure (Auto feeder)*	8.0	
12	*LED Display*	10	
13	*Water storage sump 5 lakh litres*	30	
14	*Rat proof godown cum farmers outlet*	40	This office works for farmers and distributed seeds, bio-products from KVK, ➢ This center produce many oilseeds, pulses and cereal crops breeder as well as labeled seed production for farmers. ➢ Such seeds required to be store for longer time.

			➢ It is required for sales out late for selling different products from university. ➢ There is very high humidity, therefore, it is requiring to good godown.
15	*Parking shed*	20	➢ Every day, farmers, officers, scientist and student with dignitaries visited this esteemed organization. ➢ This is district level training center, continuously farmers visit daily. ➢ They parked their vehicle irrespectively.
16	*Irrigation facilities* Submersible pump set with pipe line facilities	40	It is required for irrigation of 20 hector farm