

ANNUAL ACTION PLAN

(JANUARY-2024 DECEMBER, 2024)

SUBMITTED TO

**ICAR-ATARI,
ZONE-VIII, PUNE**



SUMMITTED BY

**KRISHI VIGYAN KENDRA
SAMODA-GANWADA
TA.SIDHPUR, DIST.PATAN (GUJARAT)**

ICAR-ATARI, Pune
ANNUAL ACTION PLAN OF KVK, Patan (Gujarat)
(1st January to 31st December, 2024)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address with PIN code	Telephone		E mail	Website address
	Office	FAX		
Krishi Vigyan Kendra Saraswati Gram Vidhyapith Samoda- Ganwada, Ta.Sidhpur, Di. Patan, Gujarat, Pin. 384 151	7974415593	-	kvksamoda@ya hoo.com	www.kvkpatan.in

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

Address with PIN code	Telephone		E mail	Website address
	Office	FAX		
Saraswati Gram Vidyapeeth, Samoda- Ganwada, Ta.Sidhpur, Di. Patan, Gujarat, Pin. 384 151 (Gujarat)	9825158973	-	kvksamoda @yahoo.co m	www.kvkpatan.in

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

Name	Telephone / Contact		
	Office	Mobile	Email
Dr. Upesh Kumar Senior Scientist and Head Krishi Vigyan Kendra, Samoda-Ganwada Ta.Sidhpur, Di.Patan Gujarat, Pincod- 384151	-	797441559 3	kvksamoda@yahoo.com

1.4. Year of sanction & type of host organization: 1993 (NGO)

1.5. Staff Position (as on 31stDecember, 2020)

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	Current Grade Pay		
1.	Senior Scientist and Head	Dr.Upesh kumar	Pl. Pathology	PB-4 - 37,400-67000	9000	1/10/2016	-
2.	Subject Matter Specialist	Vacant	Plant Protection	-	-	-	-
3.	Subject Matter Specialist	Vacant	Extension Education	-	-	-	-
4.	Subject Matter Specialist	Smt. H.B.Patel	Home Science	PB-3 - 15600-39100	6600	19/8/2002	-
5.	Subject Matter Specialist	Shri S.S. Darji	Horticulture	PB-3 - 15600-39100	5400	2/4/2012	-
6.	Subject Matter Specialist	Shri R.P.Chaudhari	Agronomy	PB-3 - 15600-39100	5400	16/4/2015	-
7.	Subject Matter Specialist	Shri S.J.Patel	Animal Science	PB-3 - 15600-39100	5400	01/09/2016	-
8.	Programme Assistant	Smt. J.N.Patel	-	PB-2 - 9300-34800	4600	27/7/1996	-
9.	Computer Programmer	Shri D.R.Patel	-	PB-2 - 9300-34800	4600	06/05/1993	-
10.	Farm Manager	Shri D.N.Patel	-	PB-2 - 9300-34800	4600	22/2/1996	-
11.	Accountant/ Superintendent	Vacant	-	-	-	-	-
12.	Stenographer	Shri J.K.Patel	-	PB-1 5200-20200	2400	25/01/1996	-
13.	Driver 1	Shri R.A.Patel	-	PB-1 - 5200-20200	2000	14/8/2010	-
14.	Supporting staff 1	Shri R.H.Desai	-	PB-1 - 5200-20200	1900	14/5/1993	-
15.	Supporting staff 2	Shri R.D.Thakor	-	PB-1 - 5200-20200	1900	25/1/1996	-
16.	Supporting staff 3	Shri P.V.Senma	-	PB-1 - 5200-20200	1900	25/1/1996	-

1.6. Total land with KVK (in ha):

S. No.	Item	Area (ha)
1	Under Buildings	1.00
2.	Under Demonstration Units	2.00
3.	Under Crops	12.00
4.	Orchard/Agro-forestry	2.00
5.	Others (specify)	3.00
	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.)	Starting year	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	1993 1999-2000	694	21,87,250=00 12,37,848=11	-	-	-
2.	Farmers Hostel	ICAR		308.82		-	-	-
3.	Staff Quarters (9)	ICAR	1996-97	731	16,89,512=74	-	-	-
4.	Demonstration Units (2)	RKVY	2012-13	4,000	5,45,000=00	-	-	-
5	Fencing	ICAR	2001-02	-	2,99,902=00	-	-	-
6	Rain Water harvesting system	-	-	-	-	-	-	-
7	Threshing floor	ICAR	2006-07	262.89	2,68,039=00	-	-	-
8	Farm Godown	ICAR	2006-07	44.89				
9.	Implement shed	ICAR	2011-12	-	285640=00	-	-	-

B. Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Tractor	2019-20	6,13,417/-	1666 Hr	Working
Jeep	2023-24	8,94,564/-	1147 Km	Working
Motorcycle	2010-11	49,695/-	57111 Km	Working

C. Equipments & AV aids

Name of the equipment / Implements	Year of purchase	Cost (Rs.)	Present status
Slide Projector/ O.H.P.	1994	23,969=00	Not Working
Mega Phone	1994	2,140=00	Not Working
Computer + Printer	2006	66,530=00	Not proper Working
Stabilizer	2006	1,750=00	Working
LCD Projector	2007	54,326=92	Not proper Working
DVD Player	2007	3,846=16	Not Working
Laptop	2007	39,423=08	Not Working
P.A. System	2009	28,600=00	Not Working
Computer	2009	49,500=00	Not proper Working
Generator	2009	98,500=00	Working
Fax machine	2009	19,800=00	Not Working
Multicrop thresher	2011	1,46,000=00	Working
Rotary weeder	2011	51,450=00	Working
Power sprayer	2011	15,855=00	Working
Seed cum fertilizer drill	2011	27,250=00	Working
K-YAN	2013	76,650=00	Working
Oven	2014	7200=00	Working
Sewing Machine	2014	8700=00	Working
Computer (Dell inspiron 3250) (No.2)	2017	68000=00	Working
Epson –M-200 printer (No.1)	2017	12000=00	Working
AC (No.2)	2017	98000=00	Working
Podium –PD-900	2017	40000=00	Working
Promax audio trally	2017	16000=00	Working
Interactive white board-IR80	2017	32000=00	Working
Double sided pinup board	2017	17050=00	Working
Folding banner stand	2017	2000=00	Working
Projection screen	2017	3200=00	Working
Camera (No.3)			
Canon DLSR	2017	43495=00	Working
Sony digital	2017	8390=00	
Sony Handy cam	2017	31990=00	
Philips 55' digital signage display	2017	99800=00	Working
Magazin display stand (No.2)	2017	7640=00	Working
Motorized scroller	2017	17300=00	Working
Acrylic charts (57)	2017	79800=00	Working
Rolling charts (27)	2017	8910=00	Working
Standy with flex banner (No.4)	2017	3680=00	Working
GPS-Navigator	2017	8000=00	Working
Sprayers No.4)	2017	14650=00	Working
-Aspee durotekc battery sprayer	2017		
-Aspee Bolo motorized knapsack sprayer	2017		
-Aspee duroteck hitech sprayer -Aspee (Marut sprayer)	2017		
Nursery tools	2017	35965=00	Working
Water cooler with purifier	2017	52100=00	Working
Soil testing lab kit (No.2)	2017	172000=00	Working
Chaff cutter	2017	26964=00	Working
Grinder	2017	16065=00	Working

BP monitor	2017	1200=00	Working
Weighting scale	2017	1000=00	Working
Acrylic specimen box (30)	2017	10500=00	Working
Agrimedia video film (125)	2017	13125=00	Working
Double sided pinup board (No.2)	2017	34100=00	Working

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

Sl.No.	Particulars	Proposed date of meeting
1	Scientific Advisory Committee – Meeting	07-02-2025

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

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

S. No	Farming system/enterprise	Names of talukas covered
1.	Crop production – Dairy	Siddhpur Patan Chanasma Saraswati Harij Sami Sankeshwar Radhanpur
2.	Crop Production – Horticulture – Dairy	
3.	Poultry Farming.	
4.	Cropping system predominant in district - Castor - Cotton - Green gram/ Black gram/ Cluster bean – Wheat/ Mustard/ Chickpea/ Cumin / Funnel – Pearl millet	

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	Zone No.4 (Patan, Saraswati, Sidhpur and Chansama taluka)	- Average rainfall is 610 mm. - Soil type is loamy, sandy, saline & medium black. - Main crops- Cotton, Wheat, Castor, Cumin, Bajara & Mustard, Fennel, Chilli, Carrot
2	Zone No.8 (Harij, Sami, Shankeshwar, Radhanpur and Santalpur taluka)	- Average rainfall is 500mm. - Soil type is loamy, sandy, saline and medium black. - Main Crops - Rainfed Cotton, Wheat, Gram, Dill seed, Mustard & Cumin.

b. Topography

S. No.	Agro ecological situation	Characteristics
1	Alluvial sandy soil with low rainfall	Low rainfall dry climate
2	Saline soil with low rainfall	Low rainfall, dry climate, and absence of vegetative cover
3	Salt affected soil	Low rainfall dry climate and absence of vegetative cover

2.3. Soil Types

S. No	Soil type	Characteristics	Area in ha
1.	Heavy black soil	- High Water holding capacity - Low permeability - Water logging condition - Fertile soil	30400

2.	Medium black soil	- Medium WHC - Medium permeability - Fertile soil	334400
3.	Loamy soil	- More retain water and nutrient than sandy soil and low retain water and nutrient than black soil	213220
4.	Sandy soil	- Low WHC - High permeability	165424
5.	Saline soil	- Salts accumulation on the soil surface - Water logging condition - Crack formation during Summer Season	109535

2.4. . Area, Production and Productivity of major crops cultivated in the area of jurisdiction of KVK (2023)

S. No	Crop	Area (ha)	Production (MT.)	Productivity (Qt./ha)
A	Field Crop			
	Bajra-Kharif	3971	2073	5.2
	Bajra-Summer	4220	13537	32.0
	Cotton- Desi	25817	31589	2.0
	Hybrid	21153	70112	8.99
	Castor	99588	190581	19.1
	Mustard	28896	50186	17.4
	Wheat	33972	98770	29.0
	Pulses Gram	46590	68350	14.7
	Green-gram	2719	403	1.5
	Black-gram	22662	6875	3.0
	Cluster bean (Seed)	13595	3607	2.6
	Moth bean & cowpea	321	157	4.8
B	Fruit crops (Area- Ha, Production in M.T. & Productivity in M.T./Ha)- 2023			
	Citrus	850	10200.4	12.00
	Mango	103	515.00	5.00
	Ber	369	3070.80	10.49
	Guava	31	279.00	9.00
	Pomegranate	662	7480.60	11.30
	Date Palm	188	1314.00	6.99
	Papaya	151	6267.00	41.50
	Aonla	161	1376.55	8.55
	Total/ Average	2620	31303.36	12.02
C	Vegetable crops (Area- Ha, Production in M.T. & Productivity in M.T./Ha)- 2023			
	Potato	767	18247	23.79
	Brinjal	349	6491	18.60
	Cabbage	228	4150	18.20

	Tomato	174	4289	24.64
	Cauliflower	310	5766	18.60
	Cucurbits	496	8839	17.82
	Total/ Average	3748	80656	21.50
D	Spice crops (Area- Ha, Production in M.T. & Productivity in M.T./Ha)- 2023			
	Cumin	6421	32749	0.51
	Fennel	2357	4243	1.80
	Coriander	100	168	1.68
	Fenugreek	850	1641	1.93
	Isangul	521	511	0.98
	Ajwain	180	166	0.92
	Suwa	3600	5256	1.46
	Total/ Average	71821	44734	0.82
E	Flower crops (Area- Ha, Production in M.T. & Productivity in M.T./Ha)- 2023			
	Rose	49	427	8.71
	Marigold	57	523	9.18
	Mogra	03	22	7.33
	Total/ Average	109	972	8.92

Source: District agriculture/ Horticulture/ Animal Husbandry department.

2.5. Weather data (2023)

Month	Rainfall (mm)	Temperature 0 C		Relative Humidity (%)	
		Maximum	Minimum	Maximum	Minimum
January					
February					
March					
April					
May					
June					
July					
August					
September					
October					
November					
December					
Total					

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

Category	Population	Production	Productivity
Cattle			
<i>Crossbred</i>	173660		7.4 kg./day
<i>Indigenous</i>	7493		2.62 kg./day
Buffalo	432837		3.56 kg./day
Sheep	45920		
<i>Crossbred</i>	53750	-	-
<i>Indigenous</i>	-	-	-
Goats	101011	-	0.30 kg/day
Camel	2262		
Horse	1024		
Poultry	80751		148 egg deshi 298 improved (rir)
Hens	26210		

Department of Animal Husbandry, Patan

2.7. Details of Operational area / Villages

Taluka	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
Siddhpur	Siddhpur	Nedra Sandesari, Kanesara, Kuvara, Umaru	Blackgram Green gram Castor Cotton Mustard	-Average productivity is low in major crop. -Leaf curl infestation in chilli -Low ground water table. -Soil productivity status is low	-Average productivity of major crops is low -Micro irrigation system -Reclamation of problematic soil -Area under fruit & vegetable crop is very low
Patan	Patan	Anawada, Gaja, Sankhari, norta, Khimiyana	Wheat Chickpea Bajra	-Problematic soil- Saline & Alkaline soil -Flower dropping in cotton	-Scope & Importance of secondary agriculture
Chanasma	Chanasma	Dinoj, Ruppur	Cumin Fennel	-Pest & diseases intensity high-para wilt in cotton, termite in wheat, Blight in Cumin,	-Average milk production per animal is low -Farm mechanization
Saraswati	Saraswati	Odhava, Balva, Sampra, Nayta, Kimbuva	Tobacco Carrot Potato Chilli	Mealybug in Cotton, Semi-looper & prodenia in castor, and citrus canker & dieback in lime	-Women empowerment through income generation activities -No use of micronutrient in fruits & vegetable crop
Harij	Harij	Dunawada, Sarval, Sodhav, Junamoka, Chabkha	Pomegranate Kagzi lime	-Pink ball worm infestation in BT Cotton -Less adoption of horticultural crops	
Sami	Sami	Kokta		-Loss of food grains due to poor knowledge and storage facility	
Sankeshwar	Sankeshwar	Dhanora		-Average milk production per animal is low	
Radhanpur	Radhanpur	Bandhwad, Surka			
Santalpur	Santalpur	Varnosari			

2.8. Priority thrust areas:

Crop/ Enterprise	Thrust area	Crop/ Enterprise	Thrust area
Green gram/ Black gram	Improved variety, INM, IWM, MIS, IPM & IDM	Chili	Nursery Management INM MIS IDM IPM Value Addition
Castor	Hybrid variety, INM, MIS, IWM, IPM & IDM	Pomegranate and Lime	Plant propagation technique Training & Pruning Rejuvenation of old orchards Micro Nutrient Application MIS IDM & IPM Value Addition
Cotton	Hybrid variety, INM, MIS, IWM, IPM & IDM	Soil Health	Production of Organic Inputs Soil Fertility Management Management of problematic soil
Chickpea	Improved variety, INM, MIS, IWM, IPM & IDM	Live-stock	Dairy Management Feed Management Disease Management Breeding Management Production of livestock feed and fodder Animal nutrition management
Mustard	Improved/ Hybrid variety, INM, MIS, IWM, IPM & IDM	Bajra and Sorghum	Integrated Crop Management Varietal Evaluation Integrated Nutrient Management Fodder production
Wheat	Hybrid variety, INM, MIS, IWM, IPM & IDM	Home Science	Use of solar cooker Fruits & veg. preservation Farm women empowerment through income generation activity Drudgery reduction House hold Food Security by kitchen gardening Income generating activity Low cost & high nutrition diet Women & child care
Cumin/ Fennel/ Ajwain	Production & management technology Nutrient & Water management Integrated Pest & Disease management & Value addition		

3. TECHNICAL PROGRAMME

3.1. A. Details of targeted mandatory activities by KVK

OFT		FLD	
(1)		(2)	
Number of OFTs	Number of Farmers	Area (ha)	Number of Farmers
06	60	287.25	1175

Training		Extension Activities	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
87	1950	260	16320

Seed Production (Qtl.)	Planting material (Nos.)	Livestock, poultry strains and Fish seed prod. (No's)	Soil, water and plant Samples
(5)	(6)	(7)	(8)
59	23000	-	250

3.1. B. Operational areas details proposed during 2024

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	Cotton	Imbalance use of nutrient Heavy infestation of pest- pink boll worm Heavy incidence of disease- Wilt	11,000 ha	Chansama	Training, FLD, Field Day, Field visit etc
2	Black gram	Use of old/ local variety Imbalance use of nutrient Heavy infestation of pest Heavy incidence of disease	1000 ha	Sankeshwar & Sami	Training, FLD, Field Day, Field visit etc

3	Castor	Imbalance use of nutrient Scarcity of irrigation water Heavy infestation of pest Heavy incidence of disease	75000 ha	Saraswati, Siddhapur	Training, FLD, Field Day, Field visit etc
4	Chickpea	Use of old/ local variety Imbalance use of nutrient Scarcity of irrigation water Heavy infestation of pest- Heliothis Heavy incidence of disease- Wilt	5000 ha	Sankeshwar & Sami	Training, FLD, Field Day, Field visit etc
5	Mustard	Use of old/ local variety Imbalance use of nutrient Scarcity of irrigation water Heavy infestation of pest- Aphid Heavy incidence of disease-blight	20000 ha	Chanasma & Patan	Training, OFT, FLD, Field Day, Field visit etc
6	Wheat	Imbalance use of nutrient Scarcity of irrigation water Heavy infestation of pest- termite	25000 ha	Siddhapur	Training, OFT, FLD, Field Day, Field visit etc
7	Watermelon	Imbalance use of major nutrient& no use of micro nutrient. Quality Planting Materials Scarcity of irrigation water Heavy infestation of pest- Fruit fly Heavy incidence of disease – Powdery Mildew	75 ha	Sidhpur,Saraswati	Training, FLD, Field Day, Field visit etc
8	Cauliflower	Imbalance use of major nutrient& no use of micro nutrient Scarcity of irrigation water Heavy infestation of pest- sucking pest Heavy incidence of disease – Damping off	175 ha	Sidhpur,Saraswati,P atan	Training, FLD, Field Day, Field visit etc

9	Fennel, Ajwain & Cumin	Use of old/ local variety Imbalance use of nutrient Scarcity of irrigation water Heavy incidence of disease-blight	25000 ha	Chanasma,, Patan	Training, FLD, Field Day, Field visit etc
10	Milch animal- Cow & Buffalo	Heavy infestation of endo & ecto parasite No or improper use of feed supplement like mineral mixture, probiotics, etc. unaware about round the year green fodder seed/variety	675 % animal are affected	Siddhpur, Saraswati	Training, OFT, FLD, Field Day, Field visit etc

* Support with problem-cause and interventions diagram

B. Details of On Farm Trials/ Technology Assessment proposed during 2024

S. No.	Crop/enterprise	Prioritized problem	Title of intervention	Technology options	Source of Technology	Name of critical input	Qty per trial	Cost per trial	No. of trials	Total cost for the intervention (the)	Parameters to be studied	Team members
1	Blackgram	Low average production	Assessment of production of Improved varieties of Blackgram	Improved variety T1-Local T2-GU 1 T3-GU 2	SDAU,S. K.Nagar & JAU Junagadh	Blackgram Seed GU 1 GU 2	Seed GU 1 2 Kg GU 2 2 Kg	60	10	6000	Yield	R.P Chauhari
2	Wheat	Low average production	Assessment of production of Improved varieties of Wheat	T1-GW-496 T2-GW-451 T3-GW-513	SDAU,S. K.Nagar	Wheat Seed GW-451 GW-513	Seed GW-451 10 Kg GW-513 10 Kg	800	10	8000	Yield	R.P Chauhari
3	Cauliflower +Fennel	Low net profit of present solo cropping pattern	Assessment of intercropping Cauliflower+Fennel for enhancing the net profit	T1-Cauliflower T2- Cauliflower + Fennel	SDAU,S. K.Nagar	Fennel Seed GF-12	G.F-12 1 Kg	150	10	1500	Yield	S.S.D arji
4	Cumin	Low yield of existing variety of Cumin	Assessment of high yielding variety of Cumin.GC-4 & G.C-5	T1-Local/Own Variety T2- G.C-4 T3- G.C-5	SDAU,S. K.Nagar	Cumin Seed G.C-4 & G.C-5	G.C-42 Kg & G.C-5 2 Kg	800	10	8000	Yield	S.S.D arji
5	Mehsani Buffalo	Low profit of lactating buffalo due to use of low productive fodder grass in monsoon season	Assessment of high yielding fodder grass variety	T1: Farmer's practices fodder grass local T2: CoFS-31 T3: CSV-33 MF	TNAU 05 kg 05 kg	Fodder grass seeds	total 10 kg	500	10	10000	Green fodder yield Milk production	Dr S J Patel

6	Kankrej cow	Tick infestation leading to reduced milk production	Assessment of ectoparasite to control tick infestation in Kankrej Cow	<p>T1: Application of deltamethrine (1.25%) solution @ 3 ml/lit of water, spray and repeat 21 days (Farmer practices)</p> <p>T2: Application of amitraz 1%+cypermethrin 1% + piperonylbutoxide 5% solution @ 1ml/10 kg b wt topically along the midline and repeat after 21 days</p> <p>T3: Use of soap permethrin 5% + cetrimide 1% + aloe vera 1% apply and massage the leather on every part of body and wash after 1 hour</p>	IVRI, Izzatnagar and TANUVAS, Chennai	Butox 100 ml	total 10+10 bottle	-	10	10000	Ectoparasite infestation (%), milk production, BCR	Dr S J Patel
						Poron plus 100 ml	2	400				
						Tick out soap 150 gm	2	300				

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	Bajra	GHB-1129	Varietal Evaluation	GHB-1129	Bajra seed-94.5 kg 18900(Rs)	Summer-2024	25	63	Yield (qti/ha)
2	Cotton	Hybrid	INM	Nitrogen 240 Kg/ha + Phosphorous 40 Kg/ha + Spray 3% Pottasium Nitrate (13-0-45) at the time of Flowering stage, Ball formation stage, Ball development stage	Pottasium Nitrate (13-0-45)- 75 kg 7500 (Rs)	Kharif-2024	10	25	Yield (qti/ha)
3	Cotton	Hybrid	IPM	IPM module for the management of Pink boll worm in cotton - Use MDP paste- keep about 1000 drops/ ha between the upper two tiny branches of plant at initiation of flowering & repeatedly by 30 days interval (3 times)	MDP paste	Kharif-2024	5	20	Infestation of pink boll worm (%) & Yield (Qtl/ha)
4	Wheat	GW 451	Varietal Evaluation	GW 451	Seed-1250 kg 50000 (Rs)	Rabi-2024-2025	10	25	Yield (qti/ha)
5	Wheat	-	IPM	Seed treatment by Fipronil 5%SC @ 6ml/ Kg seed & soil application @ 2.5 lit/ ha with irrigation water	Fipronil 5% SC Rs 12000/-	Rabi, 2024	10	25	Termite infestation (%) & Yield (qtl/ha)
6	Fennel	-	IDM	Foliar spray of at initiation of disease spray of krisoxim methyl 50 SC @ 1 ml / 1 lit. water, followed by second spray at 15 days of first spray for management of blight in cumin	Fungicide 15000/-	Rabi 2024-25	05	20	Blight disease incidence %, Yield (qti/ha)
7	Water melon	Hybrid	ICM	Cropping system Chilli-Watermelon	Seedling 19000	Summer-2024	1	04	Yield (qti/ha) Net income (Rs./ha)
8	Cauliflower	Hybrid	INM	Balance use of major plant nutrient along with three foliar application of Arka Vege. Spe. @3ml/lit of water (each spray on 1544 days interval)	Arka vegetable special-Rs-6000/-	Kharif-2024	5	20	Yield (qti/ha) Net income (Rs./ha)
9	Ajwain	AA-93	ICM	Improved & early maturity variety of Ajwain	Seed 6000/-	Rabi-2024	10	25	Yield(qti/ha)
10	Cumin+Ajwain	GC-4 GA-2	ICM	Intercropping of Cumin+Ajwain(4:1)	Seed-38000/-	Rabi-2024	10	25	Yield(qti/ha) Net income(Rs./ha)
11	Kitchen Garden	Hybrid	Household	cultivation of seasonal vegetable in backyard for supplementing	Seed of vegetable, and	Kharif,Rabi ,Suumer	-	90	-Productionof Vegetable (kg)

		s/op	food security	additional vegetable in daily diet	fruit plant kit-40000	2024			-Befor& After consumption -income generation(Rs)	
12	Bajra biscuits	-	Health and Nutrition	Millet flour is used to mack biscuits	Bajra biscuits material 6000/-	Suumer 2024	-	20	-Durability(day)	
13	Drum Stick	-	Health and Nutrition	Drumstick Leaves powder as nutritional supplement in farm women	Drumstick leaf powder(5 gm/person/day) as supplement for Three months 10000/-	Rabi 2024	-	15	-Hb percentage in blood(gm) -Body weight(kg)	
Total								91	377	

Sponsored Demonstrations (CFLDs on O & P/Others)

S. No.	Crop	Variety	Season and Year	Area (ha)	No. of farmers
A	Oilseed Crops				
1	Castor	GCH-8	Kharif, 2024	40	100
2	Mustard	GDM-4	Rabi-2024-2025	40	100
	Total			80	200
B	Pulse Crops				
1	Black Gram	GU-2	Kharif,2024	100	250
2	Chickpea	GG-5	Rabi-2024-2025	10	25
	Total			110	275

B. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	20	January to December 2024	800
2	Farmers Training	25	January to December 2024	625
3	Media coverage	08	January to December 2024	Mass
4	Training for extension functionaries	08	January to December 2024	160

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

b. Livestock and Fisheries Enterprises

Enterprise	Breed	No. of farmers	No. of animal	Critical inputs	Performance parameters / indicators
Animal Nutrition Management	Mehsani Buffalo	20	20	Probiotic @20 gm/day (Rs 8000/-)	Milk production/day
Disease Management	Mehsani Goat	10	100	Deworming with Oxytoclozanide and Levamisole combination at the age of 21 days to upto marketable age (12 months) (Rs 10,000/-)	Growth Rate, Milk production/day
Disease Management	Crossbreed cow	20	20	Clomophene citrate bolus 300 mg bolus twice a day/crossbreed cow (repeat breeding) for 3 days (Rs 2500)	Pregnancy %
Animal Nutrition Management	Crossbreed cow	20	20	Chelated mineral mixture 60 kg Trace mineral bolus 210 No. Fenbendazol bolus 10 No. (3 gm) (Rs 36000)	Pregnancy %
TOTAL		70	160		

c. Special FLD

Name of programme	Technology demonstrated	No. of farmers	No. of units	Critical inputs	Performance parameters / indicators
Swachchhata programme	Production of Vermi compost	10	10	Portable vermin bed (Rs 24000/-)	Production of vermin compost – qtl/ year
SCSP programme	Management of repeat breeding in milch animal	125	125	Clomophene citrate bolus 300 mg bolus twice a day/crossbreed cow (repeat breeding) for 3 days (Rs 15000)	Pregnancy %
	cultivation of seasonal vegetable in backyard for supplementing additional vegetable in daily diet	100	100	Seed of vegetable and fruit plant kit-35000	-Production of Vegetable (kg) -Befor& After consumption -income generation(Rs)
	Drudgery reduction of farm women for harvesting of castor through Secateur	125	125	Secatier (Rs 14000/-)	Work efficiency
	Production of jeevamrut & Neemastra	08	08	Barrel 220Lit & 50 Lit, Bucket etc (Rs 23500/-)	Production of input under natural farming unit/ year
Natural Farming	Production of jeevamrut & Neemastra	15	15	Barrel 220Lit & 50 Lit, Bucket etc (Rs 40000/-)	Production of input under natural farming unit/ year
Total		383	383		

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

A. ON Campus

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management								
Resource Conservation Technologies								
Cropping Systems								
Crop Diversification								
Integrated Farming								
Water management								
Seed production								
Nursery management								
Integrated Crop Management	05	100	00	100	25	00	25	125
Fodder production								
Production of organic inputs								
Other (Natural Farming)	01	20	00	20	05	00	05	25
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops								
Off-season vegetables	01	15	00	15	05	00	05	20
Nursery raising	01	20	00	20	05	00	05	25
00E25xotic vegetables like Broccoli								
Export potential vegetables								
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)								
b) Fruits								
Training and Pruning								
Layout and Management of Orchards								
Cultivation of Fruit								
Management of young plants/orchards								
Rejuvenation of old orchards								
Export potential fruits								
Micro irrigation systems of orchards								
Plant propagation techniques								
c) Ornamental Plants								
Nursery Management								
Management of potted plants								
Export potential of ornamental plants								
Propagation techniques of Ornamental Plants								
d) Plantation crops								
Production and Management technology								
Processing and value addition								
e) Tuber crops								
Production and Management technology								
Processing and value addition								
f) Spices								

Production and Management technology	02	30	00	30	10	00	10	40
Processing and value addition								
g) Medicinal and Aromatic Plants								
Nursery management								
Production and management technology								
Post harvest technology and value addition								
III Soil Health and Fertility Management								
Soil fertility management								
Soil and Water Conservation								
Integrated Nutrient Management								
Production and use of organic inputs								
Management of Problematic soils								
Micro nutrient deficiency in crops								
Nutrient Use Efficiency								
Soil and Water Testing								
IV Livestock Production and Management								
Dairy Management	01	00	18	18	00	02	02	20
Poultry Management								
Piggery Management								
Rabbit Management/goat								
Disease Management	02	00	36	36	00	04	04	40
Feed and Fodder	01	18	00	18	02	00	02	20
Animal Nutrition Management								
Production of quality animal products								
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	01	00	15	15	00	05	05	20
Design and development of low/minimum cost diet								
Designing and development for high nutrient efficiency diet								
Minimization of nutrient loss in processing								
Gender mainstreaming through SHGs								
Storage loss minimization techniques								
Value addition	02	00	30	30	00	10	10	40
Income generation activities for empowerment of rural Women								
Location specific drudgery reduction technologies								
Rural Crafts								
Women and child care								
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems								
Use of Plastics in farming practices								
Production of small tools and implements								
Repair and maintenance of farm machinery and implements								
Small scale processing and value addition								
Post Harvest Technology								
VII Plant Protection								
Integrated Pest Management	02	40	00	40	05	00	05	50
Integrated Disease Management	02	40	00	40	05	00	05	50

Bio-control of pests and diseases								
Production of bio control agents and bio pesticides	01	20	00	20	05	00	05	25
VIII Fisheries								
Integrated fish farming								
Carp breeding and hatchery management								
Carp fry and fingerling rearing								
Composite fish culture								
Hatchery management and culture of freshwater prawn								
Breeding and culture of ornamental fishes								
Portable plastic carp hatchery								
Pen culture of fish and prawn								
Shrimp farming								
Edible oyster farming								
Pearl culture								
Fish processing and value addition								
IX Production of Inputs at site								
Seed Production								
Planting material production								
Bio-agents production								
Bio-pesticides production								
Bio-fertilizer production								
Vermi-compost production								
Organic manures production								
Production of fry and fingerlings								
Production of Bee-colonies and wax sheets								
Small tools and implements								
Production of livestock feed and fodder								
Production of Fish feed								
X Capacity Building and Group Dynamics								
Leadership development								
Group dynamics								
Formation and Management of SHGs								
Mobilization of social capital								
Entrepreneurial development of farmers/youths								
WTO and IPR issues								
XI Agro-forestry								
Production technologies								
Nursery management								
Integrated Farming Systems								
XII Others (Pl. Specify)								
TOTAL	22	303	99	402	67	21	88	500
(B) RURAL YOUTH								
Mushroom Production								
Bee-keeping	01	40	05	45	05	00	05	50
Integrated farming								
Seed production								
Production of organic inputs								
Integrated Farming (Medicinal)								
Planting material production								

Vermi-culture								
Sericulture								
Protected cultivation of vegetable crops								
Commercial fruit production								
Repair and maintenance of farm machinery and implements								
Nursery Management of Horticulture crops	01	00	15	15	00	05	05	20
Training and pruning of orchards								
Value addition	02	00	30	30	00	10	10	40
Production of quality animal products								
Dairying	01	15	00	15	05	00	05	20
Sheep and goat rearing								
Quail farming								
Piggery								
Rabbit farming								
Poultry production								
Ornamental fisheries								
Para vets								
Para extension workers								
Composite fish culture								
Freshwater prawn culture								
Shrimp farming								
Pearl culture								
Cold water fisheries								
Fish harvest and processing technology								
Fry and fingerling rearing								
Small scale processing								
Post Harvest Technology								
Tailoring and Stitching	01	00	10	10	00	05	05	15
Rural Crafts								
TOTAL	06	55	60	115	10	20	30	145
(C) Extension Personnel								
Productivity enhancement in field crops	02	40	00	40	10	00	10	50
Integrated Pest Management	02	40	00	40	10	00	10	50
Integrated Nutrient management								
Rejuvenation of old orchards								
Protected cultivation technology								
Formation and Management of SHGs								
Group Dynamics and farmers organization								
Information networking among farmers								
Capacity building for ICT application								
Care and maintenance of farm machinery and implements								
WTO and IPR issues								
Management in farm animals	01	20	00	20	05	00	05	25
Livestock feed and fodder production	01	20	00	20	05	00	05	25
Household food security	01	00	20	20	00	05	05	25
Women and Child care								
Low cost and nutrient efficient diet designing	01	00	20	20	00	05	05	25
Production and use of organic inputs								

Formation and Management of SHGs(HS)								
Mobilization of social capital								
Entrepreneurial development of farmers/youths (Agro.)								
WTO and IPR issues								
XI Agro-forestry								
Production technologies								
Nursery management								
Integrated Farming Systems (Agro)								
XII Others (Pl. Specify)								
TOTAL	50	549	360	914	126	77	203	1115

C. Consolidated table (ON and OFF Campus)

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	02	40	00	40	10	00	10	50
Resource Conservation Technologies								
Cropping Systems								
Crop Diversification								
Integrated Farming								
Water management	01	20	00	20	05	00	05	25
Seed production								
Nursery management								
Integrated Crop Management	05	100	00	100	25	00	25	125
Fodder production								
Production of organic inputs								
Other (Natural farming)	05	100	00	100	25	00	25	125
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	01	20	00	20	05	00	05	25
Off-season vegetables	01	15	00	15	05	00	05	20
Nursery raising	01	20	00	20	05	00	05	25
Exotic vegetables like Broccoli								
Export potential vegetables								
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)								
Natural Farming	04	80	00	80	20	00	20	100
b) Fruits								
Training and Pruning								
Layout and Management of Orchards								
Cultivation of Fruit								
Management of young plants/orchards								
Rejuvenation of old orchards								
Export potential fruits								
Micro irrigation systems of orchards	01	20	00	20	05	00	05	25

Plant propagation techniques								
c) Ornamental Plants								
Nursery Management								
Management of potted plants								
Export potential of ornamental plants								
Propagation techniques of Ornamental Plants								
d) Plantation crops								
Production and Management technology								
Processing and value addition								
e) Tuber crops								
Production and Management technology	01	20	00	20	05	00	05	25
Processing and value addition								
f) Spices								
Production and Management technology	04	60	00	60	20	00	20	60
Processing and value addition								
g) Medicinal and Aromatic Plants								
Nursery management								
Production and management technology								
Post harvest technology and value addition								
III Soil Health and Fertility Management								
Soil fertility management								
Soil and Water Conservation								
Integrated Nutrient Management	03	60	00	60	15	00	15	75
Production and use of organic inputs	01	20	00	20	05	00	05	25
Management of Problematic soils								
Micro nutrient deficiency in crops								
Nutrient Use Efficiency								
Soil and Water Testing	01	20	00	20	05	00	05	25
IV Livestock Production and Management								
Dairy Management	05	00	90	90	00	10	10	100
Poultry Management								
Piggery Management								
Rabbit Management/goat	01	18	00	18	02	00	02	20
Disease Management	07	00	126	126	00	14	14	140
Feed and Fodder	02	00	36	36	00	04	04	40
Animal Nutrition Management	01	00	15	15	00	02	02	20
Production of quality animal products								
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	03	00	45	45	00	15	15	60
Design and development of low/minimum cost diet	02	00	30	30	00	10	10	40
Designing and development for high nutrient efficiency diet	01	00	15	15	00	05	05	20
Minimization of nutrient loss in processing								
Gender mainstreaming through SHGs								
Storage loss minimization techniques	01	00	15	15	00	05	05	20
Value addition	07	00	95	95	00	35	35	140
Income generation activities for empowerment of rural Women								

Location specific drudgery reduction technologies								
Rural Crafts								
Women and child care								
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems								
Use of Plastics in farming practices								
Production of small tools and implements								
Repair and maintenance of farm machinery and implements								
Small scale processing and value addition								
Post Harvest Technology								
VII Plant Protection								
Integrated Pest Management	05	105	0	105	15	0	15	125
Integrated Disease Management	04	76	0	76	9	0	9	90
Bio-control of pests and diseases	01	20	00	25	05	00	05	25
Production of bio control agents and bio pesticides	01	20	00	20	05	00	05	25
VIII Fisheries								
Integrated fish farming								
Carp breeding and hatchery management								
Carp fry and fingerling rearing								
Composite fish culture								
Hatchery management and culture of freshwater prawn								
Breeding and culture of ornamental fishes								
Portable plastic carp hatchery								
Pen culture of fish and prawn								
Shrimp farming								
Edible oyster farming								
Pearl culture								
Fish processing and value addition								
IX Production of Inputs at site								
Seed Production								
Planting material production								
Bio-agents production								
Bio-pesticides production								
Bio-fertilizer production								
Vermi-compost production								
Organic manures production								
Production of fry and fingerlings								
Production of Bee-colonies and wax sheets								
Small tools and implements								
Production of livestock feed and fodder								
Production of Fish feed								
X Capacity Building and Group Dynamics								
Leadership development								
Group dynamics								
Formation and Management of SHGs								

Mobilization of social capital								
Entrepreneurial development of farmers/youths								
WTO and IPR issues								
XI Agro-forestry								
Production technologies								
Nursery management								
Integrated Farming Systems								
Sponsored training								
TOTAL								
(B) RURAL YOUTH								
Mushroom Production								
Bee-keeping	01	40	05	45	05	00	05	50
Integrated farming								
Seed production								
Production of organic inputs								
Integrated Farming (Medicinal)								
Planting material production								
Vermi-culture								
Sericulture								
Protected cultivation of vegetable crops								
Commercial fruit production								
Repair and maintenance of farm machinery and implements								
Nursery Management of Horticulture crops	01	00	15	15	00	05	05	20
Training and pruning of orchards								
Value addition	02	00	30	30	00	10	10	40
Production of quality animal products								
Dairying	01	15	00	15	05	00	05	20
Sheep and goat rearing								
Quail farming								
Piggery								
Rabbit farming								
Poultry production								
Ornamental fisheries								
Para vets								
Para extension workers								
Composite fish culture								
Freshwater prawn culture								
Shrimp farming								
Pearl culture								
Cold water fisheries								
Fish harvest and processing technology								
Fry and fingerling rearing								
Small scale processing								
Post Harvest Technology								
Tailoring and Stitching	01	00	10	10	00	05	05	15
Rural Crafts								
TOTAL	06	55	60	115	10	20	30	145
(C) Extension Personnel								
Productivity enhancement in field crops	02	40	00	40	10	00	10	50

Integrated Pest Management	02	40	00	40	10	00	10	50
Integrated Nutrient management								
Rejuvenation of old orchards								
Protected cultivation technology								
Formation and Management of SHGs								
Group Dynamics and farmers organization								
Information networking among farmers								
Capacity building for ICT application								
Care and maintenance of farm machinery and implements								
WTO and IPR issues								
Management in farm animals	01	20	00	20	05	00	05	25
Livestock feed and fodder production	01	20	00	20	05	00	05	25
Household food security	01	00	20	20	00	05	05	25
Women and Child care								
Low cost and nutrient efficient diet designing	01	00	20	20	00	05	05	25
Production and use of organic inputs								
Gender mainstreaming through SHGs								
Any other (Pl. Specify) – PRA Technique								
Any other (Pl. Specify) – Production technology of Spices crops	01	20	00	20	00	00	00	20
TOTAL	09	140	40	180	30	10	40	220
G. TOTAL	86	1029	567	1601	331	130	361	1960

Details of training programmes attached in **Annexure –I**

3.5. Extension Activities (including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	20	650	150	800	20	10	30	670	160	830
Kisan Mela	04	2000	1000	3000	100	25	125	2100	1025	3125
Kisan Goshthi	08	800	600	1400	25	10	35	825	610	1435
Exhibition	05	1200	800	2000	25	15	40	1225	815	2040
Film Show	10	250	50	300	00	00	00	250	50	300
Farmers Seminars	01	50	00	50	05	00	05	55	00	55
Group meetings	06	80	40	120	00	00	00	80	40	120
Lectures delivered as resource persons	25	700	150	850	50	20	70	750	170	920
Newspaper coverage	10									
TV talks	02									
Popular articles	12									
Extension Literature	07									
Advisory Services										
Scientific visit to farmers field	125	1000	100	1100	00	00	00	1000	100	1100
Farmers visit to KVK	5000	2600	2300	4900	80	20	100	2680	2320	5000
Diagnostic visits	10	100	10	110	10	00	10	110	10	120
Exposure visits	03	250	50	300	00	00	00	250	50	300
Ex-trainees Sammelan	02	50	00	50	00	00	00	50	00	50
Soil health Camp	01	150	20	170	15	5	20	165	25	190
Animal Health Camp	01	50	00	50	00	00	00	50	00	50
FPO meeting	01	30	00	30	00	00	00	30	00	30
Celebration of special days (specify)	05	150	100	250	10	05	15	160	105	265
Technological week	01	250	20	270	30	00	30	280	20	300
Total	5259	10360	5390	15750	370	110	480	10730	5500	16230

3.6. Target for Production and supply of Technological products

SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (qtl.)
CEREALS			
1	Wheat	GW-451 (Seed)	15
		GW-513 (Seed)	35
2	S.Bajara	Hybrid (Commercial) & GHB-1129	32
OILSEEDS			
1	Castor	GCH-7 & GCH-8 (Commercial)	75
2	Mustard	GDM-4 (Seed)	04
PULSES			
1	Sun hemp	Local (Seed)	01
2	Black gram	GU-1 & GU-2	05
OTHERS (Specify)			
1	Cotton	Bt cotton Bollgard -2 (Commercial)	20
2	Tobacco	GCT-3 & DCT-4 (Commercial)	12
3	Guar	GG-1 & GG-2	06
FRUIT PLANT			
1	Mango	Kesar	Fruiting condition
2	Sapota	Kalipatti	

PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)
FRUITS			
1	Lime	Kagzi lime	5000
2	Papaya	Madhu bindu	1000
VEGETABLES			
1	Tomato	Hybrid	2000
2	Brinjal	Hybrid	2000
3	Chilli	Hybrid	2000
4	Cabbage	Hybrid	2000
5	Cauliflower	Hybrid	2000
6	Watermelon	Hybrid	6000
ORNAMENTAL PLANTS			
1	Rose	Desi	500
2	Pendula	Desi	300
3	Bamboo	Desi	200
Total			

Bio-products

Sl. No.	Product Name	Species	Quantity	
			Kg	Lit
1	Vermi compost	I foetida	5000 Kg	
2	Azolla	Azolla pinnata	500 kg	

LIVESTOCK

Sl. No.	Type	Breed	Quantity (No.)
CATTLE			
GOAT			
SHEEP			
POULTRY			

VALUE ADDED PRODUCTS

Crop / Commodity	Name of the product	Quantity to be prepared (kg or litre)	Sale value (Rs)
Fruit crops			
Vegetables			
Cereals and Millets			
Any other (PI specify)			
	Total		

3.7. Action plan for management of KVK instructional farm

Total land with KVK :20.0 ha Cultivable land :15.0 ha (Irrigated :10.0 ha, Rainfed :5.0 ha)

Micro-irrigation facility available at KVK : No.

S. No.	Name of crop	Area (ha)	Variety	Date of sowing / Planting	Date of harvest	Expected yield (q)
1	Crops					
	Cotton	1.00	BT cotton (BG-2)	II nd Week of June	-	20
	Black gram	0.50	GU-1 & GU-2	II nd Fortnight of July	October	5
	Castor (irrigated)	3.0	GCH-7 & GCH-8	I st Fortnight of August	February-March	75
	Tobacco	0.50	GCT-3 & DCT-4	Mid November	April	12
	Summer Bajra	1.0	Hybrid	Ist week of March	End Of May	32
	Sunhemp	1.0	Local	Onset of Monsoon	September	Green Manuring
	Guar (Rainfed)	1.0	GG1 & GG-2`	I st week of August	October	06
2	Fruit crops					
	Mango	0.50	Kesar	1994	May-2024	46000
	Sapota	0.50	Kali Patti	1994	March-2024	
3	Seed production					
	Sunhemp	0.25	Local	Onset of Mansoon	January	01
	Mustard	0.25	GDM-4 & GDM-6	II nd fortnight of October	March	04
	Wheat	0.5	GW-451	II nd fortnight of November	March	15
		1.0	GW-513			35
4	Technology cafeteria*	0.2	Variety of field crop & technologies			
5	Nutritional Garden*	0.1	Round the year production of Vegetables			

*May add separate table/information if necessary

4. Literature to be Developed/Published

A. Literature developed/published

S.No.	Topic	Number
1	Research papers	01
2	Technical reports	02
3	News letters	01
4	Popular articles	12
5	Extension literature	07
6	E-publication	10
7	Any other (Please specify) Print media	15
	Total	38

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 clippings	Vermi compost production technology	
2	video clippings	Pheromone trap installation technique	
3	video clippings	Azolla production technology	
4	video clippings	Kitchen garden	
5	video clippings	Technique of seed treatment	
6	video clippings	Value addition in Aonla	
7	video clippings	Soil sampling	
8	video clippings	Natural Farming	

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

S. No.	Type of social media platform	Title / Purpose	Number
1	YouTube Channel	Live programme on dissemination of agricultural technology Uploading clipping of technologies	
2	Facebook page	Uploading KVK activities, technologies & live programme	
3	Mobile Apps	-	
4	WhatsApp groups	05 Groups	-
5	Twitter Account	01	-
6	Any other – Digital Farm School	Production technology of field crop	

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	Success stories	05 No during the year
2	Case study	01 No

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

A. Practicing Farmers

a)

B. Rural Youth

a)

C. In-service personnel

a)

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

6. LINKAGES

6.1. Functional linkage with different organizations

Sl.No.	Name of organization	Nature of Linkage
1.	Sardarkrushinagar Dantiwada Agril. University, S.K.Nagar	-Linkage for seasonal training cum workshop of kharif, Rabi and summer crops. -Linkage for various demonstration of farm technology. -Linkage for diagnostic services & Technical guidance
2.	Agril. Department Gujarat State, Patan	-Linkage for exchange of information regarding farming. -Linkage for training programme of seasonal crops for practicing farmers. -Linkage for training of extension functionaries.
3.	Gujarat State Fertilizer & Chemical Ltd. Sidhpur	-linkage for demonstration about efficient and proper use of chemical fertilizer and importance of bio-fertilizer. -Linkage for soil and water analysis and training programme to farmers
4.	IIFCO, G.N.F.C. Sidhpur	-Linkage for soil and water analysis. -Linkage for farmer training programme
5.	Department of Animal Husbandry, Gujarat State, Patan Dudhsagar Dairy, Mehsana	-Linkage for training of management of milking animal & steps to solve the burning problem of cattle owner. -Linkage for training to Ext. functionaries.
6.	Dept. of Horticulture Gujarat State, Patan	To create awareness regarding different schemes of Horticulture development. -To increase the awareness about protective cultivation in shade net
7.	Farmers Training Centre, Patan	-linkage for imparting training to farmers & farm women & rural youth
8.	ICDS Patan	In-service training programme and sponsored training programme
9.	ATMA Patan	-Seasonal training programme & Demonstration of Agril. Technology
10.	IWMP, Patan	Imparting training to the extension functionaries, farmers & farm women about soil reclamation & other enterprises
11	NABARD, Patan	Training to members of farm science club
12	Reliance	Quick delivery of message in large scale through Kisan Mobile sandesh & Convergence for technology dissemination
13	SSNL	Technical backup
14	FPOs	Technical backup

6.2. Details of linkage with ATMA

S. No.	Programme	Nature of linkage
1	Meeting	Technical support
2	FFS	Technical support
3	Training	Technical support
4	Kisan Mela/ Kisan Gosthi	Technical support
5	Joint Field Visit	Technical support

6.3. Give details of programmes under National Horticultural Mission

S. No.	Programme	Nature of linkage
1		
2		

6.4. Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage
1		
2		

6.5. Additional Activities planned including sponsored projects (NARI/DAESI/DAMU/DFI/PKVY/ Skill Trainings/TSP/KKA/Seed Hub on Pulses, etc.) schemes during 2021, if involved.

S.No.	Name of the agency / scheme	Name of activity	Technical programme with quantification	Financial outlay (Rs.)	Names of the team members involved
1	NARI	Training Demonstration	12 No 01 No	-	Smt J S Patel
2	FPO	Technical backup	02 No	-	Dr Upesh Kumar

6.5.1. Details of activities planned under NARI (Including FSN project)

S. No.	Name of the village	Activities planned	No. of families to be covered
1			

Details of training programme under NARI

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	
				January	FW	Preparation and preservation of Aonla products	1	00	20	
February	RY	Value addition of Milk products	1	00	20	20	00	05	05	25
March	FW	Importance & uses of drum stick leaves powder	1	00	20	20	00	05	05	25
April	FW	Clean milk production	1	00	20	20	00	05	05	25
May	RY	Preparation of preservation of Mango product	1	00	20	20	00	05	05	25
June	FW	Importance & techniques of Kitchen garden	1	00	20	20	00	05	05	25
July	FW	Nursery raising of Fruits & Vegetables	1	00	20	20	00	05	05	25
August	FW	Value addition of Fruits & Vegetables	1	00	20	20	00	05	05	25
September	FW	Importance of Millet in diet and its Nutrition value	1	00	20	20	00	05	05	25
October	FW	Minimization of Nutrient losses during cooking.	1	00	20	20	00	05	05	25
November	FW	Preservation of Leafy Vegetables	1	00	20	20	00	05	05	25
December	FW	Preparation and preservation of Leman pickle & chatney.	1	00	20	20	00	05	05	25

6.5.2. Details of activities planned under Paramaparagat Krishi Vikas Yojana (PKVY)

S. No.	Name of the village	Activities planned	No. of families to be covered

6.5.3. Details of skill trainings planned (sponsored by ASCI)

S. No.	Name of Job Role	Duration (No. of hours)	No. of participants

6.5.4. Details of activities planned under TSP

S. No.	Name of the village	Activities planned	No. of families to be covered

6.5.5. Details of activities planned under Krishi Kalyan Abhiyan (KKA)

S. No.	Name of the village	Activities planned	No. of families to be covered

6.5.6. Details of seed production planned under Seed Hub on Pulses

S. No.	Name of the crop	Variety	Stage (Foundation / Certified)	Quantity of seed to be produced (q)

6.6. Activities planned in respect of FPOs / FPCs

1. No. of FPOs / FPCs to be formed: No
2. No. of existing FPOs / FPCs to be facilitated: 03
3. Type of support to be provided to existing FPOs / FPCs: Technical backup

S. No	Name of the FPO / FPC	No. of members	Major activities of FPO / FPC	Type of support to be provided by KVK
1	Parikranta Farmers Producer Company Limited	200	input supply, aggregation & marketing	Technical backup
2	Banas Famers Producer Company Limited	1354	input supply, aggregation & marketing	Technical backup
3	Vadhiyar Famers Producer Company Limited	650	input supply, aggregation & marketing	Technical backup

6.7. Activities planned in respect of developing Integrated Farming System (IFS) Models on farmers' fields during 2024

S. No	Name of the village	No. of IFS models to be identified / developed	Major components of IFS model
1	Madhupura	10	Agriculture, Horticulture & Dairy
2	Lukhasan	02	Agriculture, Horticulture & Dairy

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	SSNL	Technical backup for conducting demonstration & Training	
2	Agriculture Department	Training, Demonstration, Sangosthi & Visit	

3	ATMA	Training, Demonstration, Sangosthi, Farmers fair & Visit	
4	Horticulture	Training, Demnstration & Exposure visit	
5	Animal Husbandry	Animal Health camp, Training & Sangosthi	
6	NABARD	Technical backup to FPOs	
7	Reliance Foundation	Technical backup through social media	

8. Innovator Farmer's Meet 2023

SI.No.	Particulars	Details	Expected No. of participants
1	Digital Farm school	Crop period	60 No
2	FPO meeting	Technical backup	50 No

9. Utilization of hostel facilities

S. No.	Month	No. of days to be utilized
1		
2		
3		
4		
	Total	

10. Details of online activities planned (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	Large scale dissemination of latest technology in agriculture, horticulture & dairy sector	05	YouTube live	500

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

Training Programme

i) Farmers & Farm women (On Campus)

Date	Clientele	Title of the training programme	Duration in days	Number of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
Crop Production										
February 2024	PF	Production technology of Bajra	1	20	0	20	05	0	05	25
February 2024	PF	Natural Farming of Bajra	1	20	0	20	05	0	05	25
May 2024	PF	Production technology of cotton	1	20	0	20	05	0	05	25
July 2024	PF	Production technology of castor	1	20	0	20	05	0	05	25
September 2024	PF	Production technology of Mustard	1	20	0	20	05	0	05	25
November 2024	PF	Production technology of Wheat	1	20	0	20	05	0	05	25
Horticulture										
June,2024	RY	Nursery Raising of Vegetable crops.	01	20	00	20	05	00	05	25
Aug,2024	PF	Integrated Nutrient Management in kharif vegetable crops	01	20	00	20	05	00	05	25
Octo,2024	PF	Integrated Crop Management of ajwain	01	20	00	20	05	00	05	25
Nov,2024	PF	Integrated Crop Management of cumin	01	20	00	20	05	00	05	25
Animal Science										
March 2024	FW	Importance of minerals and vitamins as feed supplement in dairy animals	01	00	20	20	00	05	05	25
May 2024	PF	Metabolic diseases and its treatment in dairy animals	01	20	00	20	05	00	05	25
June 2024	FW	Fodder management	01	00	20	20	00	05	05	25
July 2024	PF	Reproductive diseases and its remedial measures	01	20	00	20	05	00	05	25
Home Sc.										
January 2024	RY	Preparation and Preservation Aonla Product	01	00	20	20	00	05	05	25
February 2024	FW	Importance of Drumstick product in diet	01	00	20	20	00	05	05	25

June 2024	FW	Nutritional security through Kitchen garden	01	00	20	20	00	05	05	25
Plan protection										
April, 2024	PF	Role of bio product in sustainable agriculture	1	20	0	20	05	0	05	25
June, 2024	PF	IPDM in Black gram	1	20	0	20	05	0	05	25
August, 2024	PF	IPDM in Castor	1	20	0	20	05	0	05	25
Sept, 2024	PF	IPDM in Mustard	1	20	0	20	05	0	05	25
October, 2024	PF	IPDM in chickpea	1	20	0	20	05	0	05	25

ii) Farmers & Farm women (Off Campus)

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
Crop Production										
February 2024	PF	Natural Farming	1	20	0	20	5	0	5	25
March 2024	PF	Natural Farming	1	20	0	20	5	0	5	25
July 2024	PF	Weed management in Blackgram	1	20	0	20	5	0	5	25
September 2024	PF	Natural farming in wheat & chickpea	1	20	0	20	5	0	5	25
November 2024	PF	Integrated weed management in wheat	1	20	0	20	5	0	5	25
December 2024	PF	Importance and scope of drip and sprinkler irrigation in field crop	1	20	0	20	5	0	5	25
December 2024	PF	Natural Farming	1	20	0	20	5	0	5	25
Horticulture										
Jan.2024	PF	Natural Farming of watermelon	01	20	00	20	05	00	05	25
Feb,2024	PF	Natural Farming of Summer vegetable crops.	01	20	00	20	05	00	05	25
March,2024	PF	Importance & use of MIS in horticultural crops	01	20	00	20	05	00	05	25
April,2024	PF	Importance & use of Mulching in Vegetable crops	01	20	00	20	05	00	05	25
May,2024	PF	INM in chilli	01	20	00	20	05	00	05	25
July,2024	PF	Natural Farming of kharif vegetable crops.	01	20	00	20	05	00	05	25
Sept,2024	PF	Integrated Crop Management of Fennel	01	20	00	20	05	00	05	25
Octo,2024	PF	Natural Farming of Cumin	01	20	00	20	05	00	05	25
Nov,2024	PF	Production Technology of Potato	01	20	00	20	05	00	05	25

Live Stock Production.										
January 2024	FW	Azolla- as animal feed	01	20	00	20	05	00	05	25
March 2024	FW	First aid treatment in dairy animals	01	20	00	20	05	00	05	25
April 2024	PF	Goat farming	01	20	00	20	05	00	05	25
April 2024	FW	Clean milk production	01	20	00	20	05	00	05	25
May 2024	FW	Care and management of milch animals after calving	01	20	00	20	05	00	05	25
June 2024	FW	Major bacterial diseases in dairy animals and its remedial measures	01	20	00	20	05	00	05	25
July 2024	FW	Care and management of calf	01	20	00	20	05	00	05	25
August 2024	FW	Major viral diseases in dairy animals and its remedial measures	01	20	00	20	05	00	05	25
September 2024	FW	Prevention and control of Mastitis disease in dairy animals	01	20	00	20	05	00	05	25
October 2024	PF	Method of Silage making	01	20	00	20	05	00	05	25
November 2024	FW	Balance feeding technology for milch animals	01	20	00	20	05	00	05	25
December 2024	FW	Importance of Deworming and vaccination in dairy animals	01	20	00	20	05	00	05	25
Home Sc.										
January 2024	FW	Superfood Nutrition of soybean diet	01	20	00	20	05	00	05	25
February 2024	FW	Importance of Millet in diet and its Nutrition value	01	20	00	20	05	00	05	25
March 2024	FW	Preparation of Kitchen Masala	01	20	00	20	05	00	05	25
April 2024	FW	Method of Grain storage and pest control	01	20	00	20	05	00	05	25
May 2024	RY	Preparation and preservation of Mango Product	01	00	15	15	00	05	05	25
June 2024	FW	Importance of Drumstick in diet	01	20	00	20	05	00	05	25
July 2024	FW	Importance and Techniques of kitchen garden	01	20	00	20	05	00	05	25
August 2024	FW	Importance of Millet in diet	01	20	00	20	05	00	05	25
September 2024	FW	Nutritional Security through kitchen garden	01	20	00	20	05	00	05	25
October 2024	RY	Value addition of Sesame and Groundnut	01	20	00	20	05	00	05	25

November 2024	FW	Preparation and preservation of Aonla Product	01	20	00	20	05	00	05	25
Plant Protection										
Feb., 2024	FW	Plant protection in spices crops	1	18	0	18	02	0	02	20
May, 2024	PF	Improvement of soil health through use of bio pesticide for management of soil borne disease	1	18	0	18	02	0	02	20
July, 2024	PF	Plant protection in black gram	1	18	0	18	02	0	02	20
August, 2024	PF	Plant protection in cotton	1	18	0	18	02	0	02	20
Sept. 2024	PF	IPDM module for management of pest in castor	1	18	0	18	02	0	02	20
November, 2024	PF	Plant protection measures in wheat & chickpea	1	18	0	18	02	0	02	20
Soil health										
April 2024	PF	Importance of Soil testing	1	20	0	20	5	0	5	25
May 2024	PF	Integrated nutrient management in cotton	1	20	0	20	5	0	5	25
June 2024	PF	Production technology of Vermi compost	1	20	0	20	5	0	5	25
August 2024	PF	Integrated nutrient management in castor	1	20	0	20	5	0	5	25
Oct, 2024	PF	Importance & use of bio fertilizer in field crop	1	20	0	20	5	0	5	25

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	
Home Science	Value addition	Value addition in Fruits and Vegetable	Jan,2024	05	00	15	15	00	05	05	20
Horticulture	bee keeping	Honey bee rearing	Feb,2024	06	40	05	45	05	00	05	50
Home Science	Rural craft	Tailoring & Stitching	March 2024	30	00	10	10	00	05	05	15
Animal science	Dairying	Indigenous Technical Knowledge in Animal Husbandry	May 2024	03	15	00	15	05	00	05	20
Horticulture	Nursery Raising	Nursery Raising of Vegetable crops	June 2024	05	00	15	15	00	05	05	20
Home Science	Value addition	Value addition Of Millet	Oct,2024	05	00	15	15	00	05	05	20

iii) Training programme for extension functionaries

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
On Campus										
Home Science	Aganwadi worker	Importance of Millet in diet and its Nutritional value	July, 2024	00	20	20	00	05	05	25
Home Science	Aganwadi worker	Nutrition Security through kitchen garden	Sept, 2024	00	20	20	00	05	05	25
Animal science	Livestock Inspector	Feed management in Dairy animals	June 2024	20	00	20	05	00	05	25
Animal science	AI worker	Reproductive diseases and its remedial measures	Oct,2024	20	00	20	05	00	05	25
Horticulture	ATMA Patan	Production Management technology of spices crops	Sept,2024	20	00	20	05	00	05	25
Agronomy	Extension officer	Production technology of castor,cotton and Blackgram	May,2024	20	0	20	5	0	5	25
Agronomy	Extension officer	Production technology of Mustard, Wheat and Chickpea	Sept,2024	20	0	20	5	0	5	25
Plant Protection	Extension officer	Plant protection in kharif crops	July, 2024	20	00	20	05	00	05	25
Plant Protection	Extension officer	Plant protection in Rabi crops	Nov., 2024	20	00	20	05	00	05	25

Sponsored programmes

Discipline	Sponsoring agency	Clientele	Title of the training programme	No. of course	No. of participants			Number of SC/ST			G. Total
					M	F	T	M	F	T	
a) Sponsored training programme											
Crop Production	ATMA, Patan	PF	Natural Farming in pulses	01	25	-	25	05	-	05	30
Crop Production	ATMA Patan	PF	Integrated nutrient management in castor & Cotton	01	25	-	25	05	-	05	30
Horticulture	Reliance Foundation	PF	Suitable technology of Spices crop under climate change	01	40	00	40	10	00	10	50
Horticulture	Reliance Foundation	PF	Suitable technology of Vegetable crops under climate change	01	40	00	40	10	00	10	50
Horticulture	FTC,Patan	PF	Natural Farming in Vegetable crops	01	40	00	40	10	00	10	50
Plant Protection	F.T.C. Patan	PF	Integrated pest & diseases management of Rabi crops	01	30	-	30	-	-	-	30

Home Science	Horticulture Deptt.	FW	Fruit and vegetable preservation techniques	01	-	25	25	-	05	05	30
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Annexure - II

Details of Budget Estimate (2024-25) based on proposed action plan

S. No.	Particulars	BE 2022 - 23(Rs.)
25.1	Recurring Contingencies	
25.1.1	Pay & Allowances	1,90,00,000/-
25.1.2	Traveling allowances	1,50,000/-
25.1.3	Contingencies	
<i>A</i>	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	3,50,000/-
<i>B</i>	POL, repair of vehicles, tractor and equipments	
<i>C</i>	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	8,00,000/-
<i>D</i>	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	
<i>E</i>	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	
<i>F</i>	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	
<i>G</i>	Training of extension functionaries	
<i>H</i>	Maintenance of buildings	
<i>I</i>	Establishment of Soil, Plant & Water Testing Laboratory	
<i>J</i>	Library	
25.1	TOTAL Recurring Contingencies	2,03,00,000/-
25.2	Non-Recurring Contingencies	
25.2.1	Works	10,00,000/-
25.2.2	Equipments including SWTL & Furniture	8,00,000/-
25.2.3	Vehicle (Four wheeler/Two wheeler, please specify)	
25.2.4	Library (Purchase of assets like books & journals)	10,000/-
25.2	TOTAL Non-Recurring Contingencies	18,10,000/-
25.3	REVOLVING FUND	
25.4	GRAND TOTAL	2,21,10,000/-