



**KRISHI VIGYAN KENDRA, NAVSARI AGRICULTURAL UNIVERSITY
WAGHAI (DANGS) GUJARAT**

South Gujarat Heavy Rainfall Zone - I (Gujarat)

Agro Ecological Situation-I

Population : 2, 28, 291

Literacy : 75.16% (As per 2011 census)

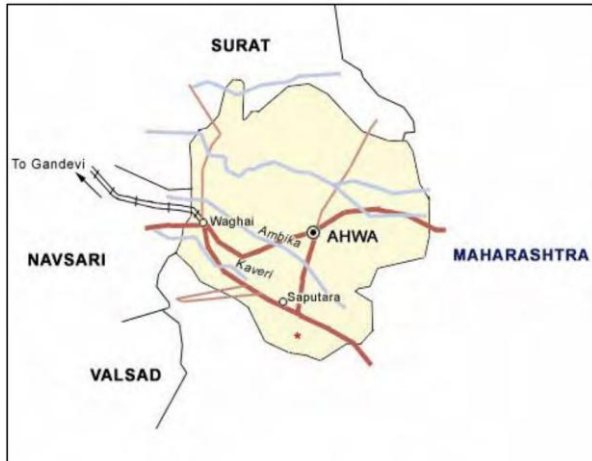
Land use Pattern:

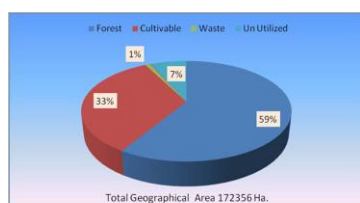
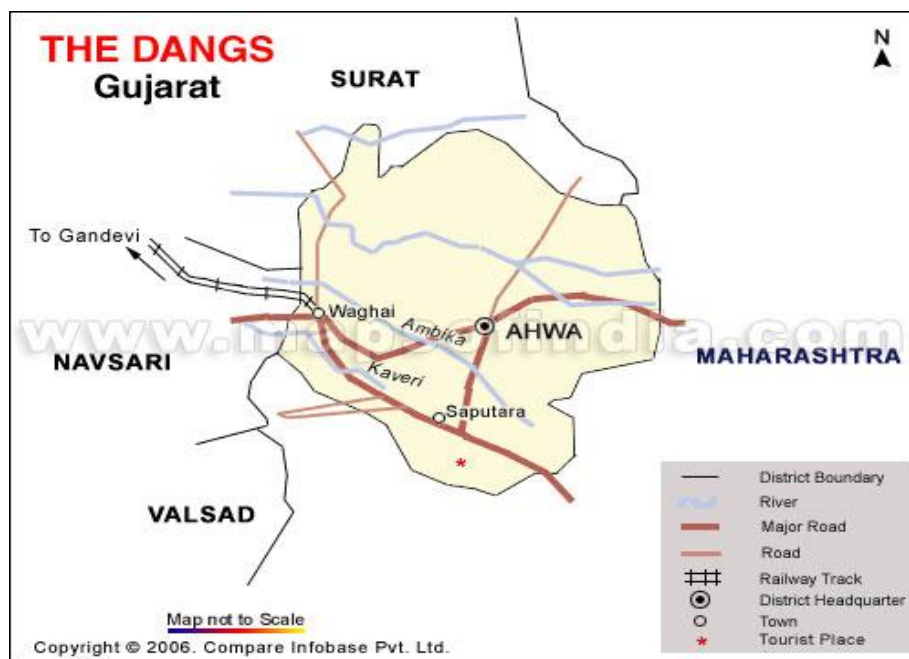
Total area : 1,72, 356 ha

Cultivable area : 56, 300 ha

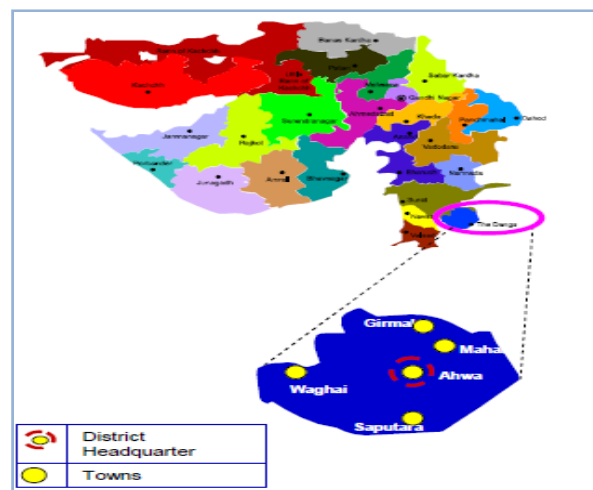
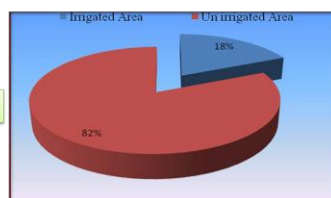
Average Rainfall : 1800-2000 mm

Soil type : Light to medium textured





Irrigated/Un-irrigated Area



DETAILS OF DISTRICT / JURISDICTION AREA OF KVK	
1.	Agriculture farming system
2.	Agri - Horti farming system
3.	Agri – Horti -Dairy farming system
4.	Agroforestry system

Year -2024

Adopted village

Baj (Waghai)	
Farmer's Name	Mobile no
1. Shri Ganeshbhai (Active Farmer)	9913159141
2. Nileshbhai Chaudhary	9426905536
2. Shaileshbhai Chaudhary	9426256469
3. Anitaben	9426256469
1.Dineshbhai Jadav	9426215211
2. Jamanabhai Dhumad	9099659367
3. Urmilaben Mahala	9574415443
1. Somabhai Bhujad	9428215446
2. Madhubhai Raut	7567601458
3. Rituben Jadav	9428168235
Narendrabhai N. Chaudhary (Prin.)	9979346723
1. Shivrambhai Chaudhary	9925553975
2. Jamanabhai Dhumad	9099659367
3. Somabhai Bhujad	9428215446
Barkhandhya (Waghai)	
Kailashbhai Hashubhai Bhoje Mo.No. : 7862947219	
1. Kisanbhai Pawar	9106692120
2.Vasantbhai Tumala	9327506485
3. Maltiben Birari	9428723561
1. Vinodbhai Birari	9313218599
2.Harichandbhai Birari	
1. Kailashbhai Bhoje	7862947219
2. Vanitaben Bhoje	7862942122
Dagadpada(Waghai)	
Maganbhai Gavit (8320151642) Manojbhai Gavit(7984172892)	
1.Maganbhai Babubhai sang	8320151642
2.Rameshbhai Radkiabhai Mahala	7574979431
3.Satishbhai Shankarbhai Dhum	9727492553
4.Manilalbhai Dhavalbhai Chaudhary	8320937728
5.Dilipbhai Govindbhai sang	8459248542
6.Sureshbhai Somabhai sang	8320156966
7.Anjali Sakhi Mandal	9327459658
8.Bhartiben Madhubhai loan	7574979431
9.Lalitaben Rameshbhai	
10.Champaben Ineshbhai Raut	6353637268
Shivarimal(Waghai)	
Nareshbhai Mo. No. : 8469726185	
1.Anatbhai Sukiravbhai Pawar	7359896006
2.Chandrakantbhai Desmukh	7359944295
Sonunia (Ahwa)	
Talati Minister Shri : Harshitaben (9737365407)	
Sakhi Mandal , Sonunia	
1. Sumitraben Narayanbhai Fakus	8238944414
2. Laugaben Govindbhai Bhoje	8980149347
Name of doing natural farming	
1. Pandit Motiram Chaudhary	7359275272
Bhurapani (Ahwa)	
Talati Shri : Dhruveshbhai (7698252762)	
1. Pratibhaben Saare	9408678226
2. Chetanaben Vaghela	

1. Pradamaben Sahare	9408270153
3. Yeshwatbhai Savirambhai	8140090173
4. Arjunbhai Vadu	7096644864
Name of doing natural farming	
1. Ekeshbhai Gavrit	9484984266
Dudh Mandali Brown Water	
1. Sureshbhai Gavrit (President)	9723972615
Bhapkhal(Ahwa)	
Talati Shri: Dhruveshbhai (7698252762)	
The planks of Bhapkhal	
1. Rajeshbhai H Pawar	9426590066
2. Vijaybhai G Pawar	9408902173
Sakhi Mandal , Bhapkhal	
1. Parvatiben	8347257877
2. Rasmikaben Pawar	9408679746
Milk Society , Bhapkhal	
1. Lalitaben Gavrit	7698079881
2. Anusuyaben Pawar	
Name of doing natural farming	
1. Shivrambhai Oniyabhai Gavrit	9408679746
Primary School , Bhapkhal	
Acharya Shri Bhavinsingh	9484984249
Chikhli (SUBIR)	
Sarpanch Shri: Sumanbhai Raut: mo : 8160598612	
1. Anadbhai Chothwa	9484889678
2. Vanubhai Chaudhary	9426921703
3. Surajbhai Chaudhary	9106199659
Milk Mandali , Chikhli	
1. Chandubhai Bengal	9408210069
Primary School , Chikhli	
1. School Principal Shri	8780127132
Name of doing natural farming	
1. Sukiravbhai	9427753470
Pipalai Devi (Subir)	
Prakashbhai Tulsidasbhai chaudhari	
Harimanbhai Pavar	9409542792
Sulemanbhai Bhaoye	
Primary School Pipalai Devi	
1. Sunitaben Patel (Principal)	9408648342
Name of doing natural farming	
1. Ramubhai Chaudhari	9427287316
Active Parson	
1. Manojbhai Chaudhri	9427120351
Chirapada (Subir)	
Babubhai R. Vadavi Mo. 9427673737	
1. Jantubhai M. Bhoje	9408452046
1. Shaileshbhai Y. Madavish	9428533481
1. Jasubhai G. Gayakwad	9484498345
Name of doing natural farming	
1. Jantubhai M. Bhoje	9408452046
2. Ramdasbhai B. Gayakwad	9427797381
Primary School Chirapada	
1. Amartbhai B. Patel (Principal)	9537009177 / 9408769672

Year -2023

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)
1.	Paddy	28370	78017	27.50
2.	Nagli	8287	53865	6.50
3.	Pigeon Pea	3472	2777	8.00
4.	Black Gram	9123	68422	7.50
5.	Vegetables	4812	6977	14.50
6.	Fodder	90	140	15.60
7.	Wheat	35	647	18.50
8.	Gram	15780	11835	7.50
9.	Sugarcane	549	37332	680.00
10.	Sorghum	62	34	5.50
11.	Maize	408	265	6.50

Weather data (2023)

Month	Normal RF (mm)	Normal Rainy days (number)	Temperature (° C)		Relative Humidity (%)	
			Maximum	Minimum	Maximum	Minimum
January	0.0	0	30.0	11.5	95	52
February	0.0	0	35.5	12.6	66	23
March	14.5	2	35.4	17.6	68	32
April	0.0	0	38.0	20.6	57	27
May	10.5	1	38.3	25.0	69	39
June	282.5	7	35.6	27.1	77	59
July	842.5	28	29.3	25.3	97	92
August	168.5	18	30.0	25.0	96	81
September	486.0	17	31.2	24.4	96	87
October	9.5	1	34.8	20.9	96	77
November	34.5	2	33.7	18.1	98	65
December	0.0	0	32.0	17.1	99	61
Total	1848.5	76				

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

Category	Population (No.)	Production (Per unit)	Productivity (Per unit)
Cattle			
<i>Crossbred</i>	15482	-	2000-2200 lit/cow
<i>Indigenous</i>	58900	-	800 lit/cow
Buffalo	22125	-	1200 lit/buffalo
Sheep	-	-	-
Goats	45658	-	300 lit
Pigs	-	-	-
<i>Crossbred</i>	-	-	-
<i>Indigenous</i>	-	-	-
Rabbits	109	-	-
Hens	32350	-	185 egg/year
<i>Desi</i>	166970		58 egg/year
Category		Production (q.)	Productivity (Per Unit)
Fish (Reservoir)	--	--	--
Fish (Farm ponds)	--	--	--

Year -2022

Area, Production and Productivity of major crops cultivated in the area of jurisdiction of KVK (2022)

S. No	Crop	Area (ha)	Production (MT.)	Productivity (qt./ha)
1.	Paddy	28370	1208845.7	42.61
2.	Nagli	8287	78312.15	9.45
3.	Sorghum	62	1116	18.0
4.	Maize	408	4284	10.50
5.	Pigeon Pea	3472	31248	9.0
6.	Black Gram	9123	106556.68	11.68
7.	Ground nut	3646	42220.68	11.58
8.	Niger	807	7666.5	9.50
9.	Soybean	1016	13746.48	13.53
10.	Vari	1848	17186.4	9.30
11.	vegetables	315	5985	19.0
12.	Other cereal	0	0	0.00
13.	Other pulses	0	0	0.00
14.	Wheat	35	735	21.0
15.	Gram	15780	157800	10.0
16.	Sugarcane	380	228000	600
17.	Other pulses	597	2388	4.0

2.5. Weather data (2022)

Month	Normal RF (mm)	Normal Rainy days (number)	Temperature (° C)		Relative Humidity (%)	
			Maximum	Minimum	Maximum	Minimum
January	0.0	0	29.3	12.6	95	57
February	0.0	0	31.6	12.1	84	32
March	0.0	0	37.1	17.0	58	20
April	0.0	0	39.9	20.1	54	27
May	0.0	0	38.2	23.0	68	42
June	116.5	7	35.3	24.0	79	66
July	1574.0	24	29.3	24.6	95	90
August	371.0	20	30.4	24.3	96	87
September	549.0	15	31.4	23.8	97	88
October	103.0	7	33.3	20.7	92	86
November	0.0	0	33.2	14.4	85	83
December	0.0	0	32.8	15.1	92	75
Total	2714.0	73				

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

Category	Population (No.)	Production (Per unit)	Productivity (Per unit)
Cattle			
Crossbred	15482	-	2000-2200 lit/cow
Indigenous	58900	-	800 lit/cow
Buffalo	22125	-	1200 lit/buffalo
Sheep	-	-	-
Goats	45658	-	300 lit
Pigs	-	-	-
Crossbred	-	-	-
Indigenous	-	-	-
Rabbits	109	-	-
Hens	32350	-	185 egg/year
Desi	166970	-	58 egg/year

Details of Operational area / Villages

Name of Taluka	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
Ahwa	Lahandabash Gundiya Sati	Cereals: Paddy, Finger millet, little millet Pulses: Gram, Black gram, Pigeon pea Oilseeds: Groundnut, Niger Vegetables: Okra Fruit crops: Mango, Custard apple Floriculture: Rose and Marigold Others: Tuber crops Animal Husbandry	-Use of traditional varieties - Poor quality of seed -Improper use of fertilizers - Lack of awareness about plant protection measures -Scarcity of fodder - Repeat Breeding and Anoestrus Less interest in dairy business	-Promoting Animal husbandry./ horticultural crops - Use of recommended varieties - Promotion of scientific package of practices - Create awareness about plant protection measures - Scientific feeding management - Artificial Insemination - Awareness about dairy enterprise
Subir	Sajupada Bardipada Dhuldha			
Waghai	Zavada Vankan Chichond Bhadarpada			

Year -2022

Area, Production and Productivity of major crops cultivated in the area of jurisdiction of KVK (2021)

S. No	Crop	Area (ha)	Production (MT.)	Productivity (Qt./ha)
1.	Paddy	26800	78256	29.2
2.	Nagli	8475	12713	15
3.	Sorghum	54	43.2	8
4.	Maize	360	270	7.5
5.	Pigeon Pea	3565	1640	4.6
6.	Black Gram	9350	8415	9
7.	Ground nut	3885	4662	12
8.	Niger	935	1259	13.46
9.	Soybean	1051	631	6
10.	Vari	1995	2993	15
11.	vegetables	85	10520.3	19
12.	Other cereal	-	-	-
13.	Other pulses	-	-	-
14	Wheat	310	651	21
15	Gram	16500	7755	4.7
16	Sugarcane	375	9000	240
17	Other pulses	-	-	-

Weather data (2021)

Month	Rainfall (mm)	Temperature °C		Relative Humidity (%)	
		Maximum	Minimum	Maximum	Minimum
January	42.00	30.3	13.7	82	67
February	0.00	33.6	10.5	71	55
March	0.00	34.0	10.6	68	71
April	0.00	37.5	15.4	77	58
May	12.5	36.5	19.2	86	68
June	278.5	33.2	20.8	87	82
July	638.0	31.1	20.5	89	83
August	329.0	29.8	19.1	90	84
September	615.0	26.5	17.5	91	90
October	23.0	33.0	18.8	80	73
November	20.0	32.8	13.0	80	73
December	0.00	29.7	11.1	82	71
Total	1958				

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Fish (Reservoir)	--	--	--
Fish (Farm ponds)	--	--	--

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	Gundiya Sati	Pulses: Gram, Black gram, Pigeon pea		
Subir	Sajupada Bardipada Dhuldha	Oilseeds: Groundnut, Niger		
Waghai	Zavada Vankan	Vegetables: Okra Fruit crops: Mango, Custard apple		
	Chichond Bhadarpada	Floriculture: Rose and Marigold Others: Tuber crops Animal Husbandry		