

## FARM DETAILS

### 1. Area under Fruit Research station, Gandevi

- Total area : 12.22 ha
- Area under cultivation : 10.17 ha
- Area under road, fencing and construction : 2.05 ha

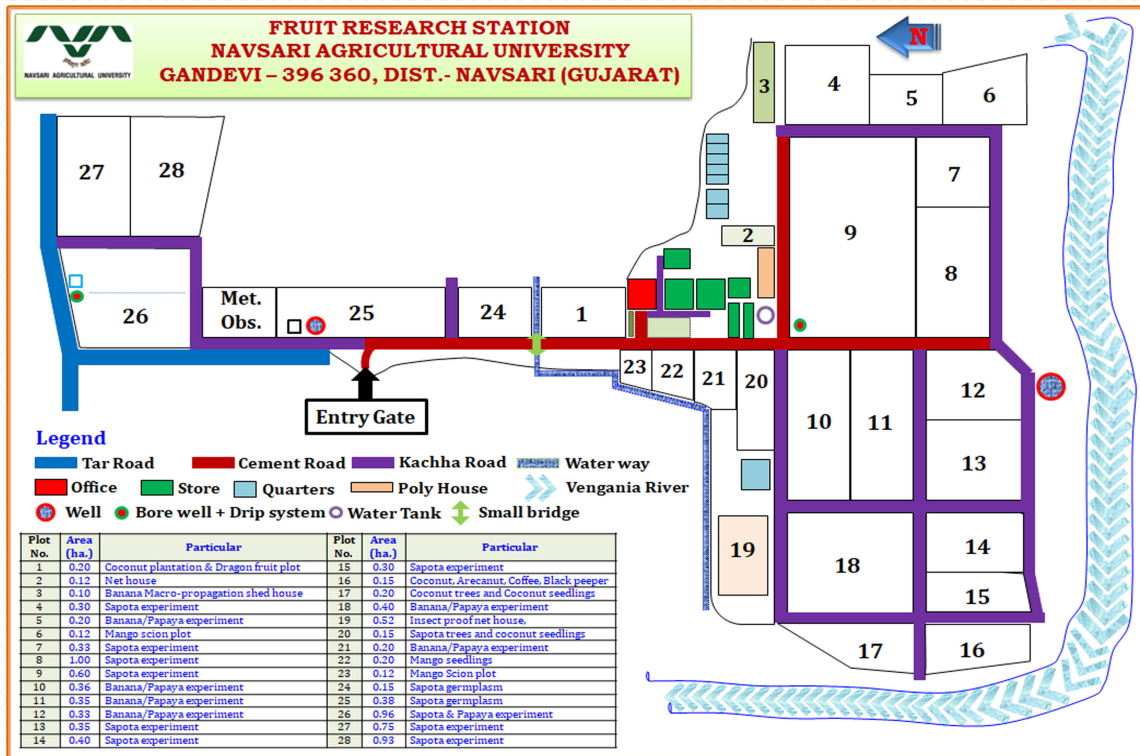
### 2. Agro-Ecological Situation of Gandevi

- **Location:** Fruit Research Station is located at Khergam Village of Gandevi Taluka in Navsari District under South Gujarat region. It is 3 km away from Gandevi town. The Vengania river is passing near by the farm. The river water is lifted for irrigation and it is available throughout the year.
- **Establishment:** Centre was established in 1935 by Gaikwad State with a view to develop horticultural activities in this region.
- **Geographical location:** It is situated at 20.807545° N 73.022260° E and 7.6 meter height from sea level.
- **Soil:** The soil of the farm is clayey with moderate drainage.
- **Annual Rainfall:** Average precipitation of this area is about 1500 to 1800 mm.
- **Weather:** The mean maximum temperature varies from 26° to 38° C in summer and the minimum temperature ranges from 26° to 10° C in winter. The climate of the zone is characterized by fairly hot summer, moderately cool winter and warm monsoon.
- **Agro Climate:** Agro-ecological situation - III.
- **Sub Region:** South Gujarat heavy rainfall area -I.

### 3. Physical and Chemical Properties of Soil:

Sr. No.	Properties	Units
<b>I.</b>	<b>Physical Properties :</b>	
1.	Soil type	Clay loam
2.	Clay content	36%
3.	Bulk density	1.2 g/cc
4.	Moisture holding capacity	60.55%
5.	Moisture at field capacity	33%
6.	Moisture at wilting	15%
<b>II.</b>	<b>Chemical Properties :</b>	
7.	pH (1:2.5)	6.80
8.	EC (1:2.5)	0.13 dS/m
9.	Organic carbon	0.34%
10.	Available N	261.3 kg/ha
11.	Available P <sub>2</sub> O <sub>5</sub>	59.43 kg/ha
12.	Available K <sub>2</sub> O	279.0 kg/ha

### Farm Map:



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