

## Cotton Wilt Breeding Station , Hansot

### :: Introduction

- The Cotton Research Station was established in the year 1964 for developing wilt sick plot and their by to developing wilt resistant cotton strain especially in *G. herbaceum*.

#### Mode of travel to reach the center :

Distance from Ankleshwar Railway station 20 Km/ Bus stop One km. by Auto Rickshaw Hansot Near Ka-Ka-Ba Hospital

Agro climatic Zone :

AES II South Gujarat Medium Rainfall Zone the station falls under Gujarat Agro climatic Zone II

Rainfall :

The annual average rainfall of this station for last 30 years is 810 mm

Soil :

The soil of the farm is Heavy black soil with high moisture retentive capacity which is poor in nitrogen medium in phosphorous and high in potash. Most of the micronutrient is up to the sufficient level in the soil. pH is 7.8.

Temperature :

The climatic condition of the area represents the subtropical conditions with semi arid climatic conditions. The monsoon commenced by third week of June. Average minimum and maximum temperature of the year varying from 22.5 C0 to 30.75 C0

Geographical details :

<b>Climate:</b>	Subtropical
<b>Latitude:</b>	North 21.33
<b>Longitude:</b>	East 72.49
<b>Altitude:</b>	12 meter
<b>Temperature varies:</b>	22.50 to 30.750 Centigrade
<b>Average Rainfall:</b>	810 mm

Soil properties :

<b>Type:</b>	Heavy black soil with high moisture retentive capacity
<b>pH:</b>	7.8
<b>O.C.:</b>	0.23 to 0.30
<b>Avail.N2:</b>	9.2 to 24.3 kg/ha
<b>Avail.P2O5:</b>	908 to 1192 kg/ha
<b>Avail.K2O:</b>	0.35 to 0.69 mmhos/cm

Infrastructure :

	<b>Cotton Farm</b>	<b>Taluka Seed farm</b>
<b>Total area of farm:</b>	4.61 ha	11.69 ha
<b>Farm area under cultivation:</b>	3.85 ha	10.25 ha
<b>Area Under farm structure:</b>	0.76 ha	1.44 ha
<b>Irrigated area</b>	3.85 ha	10.25 ha
<b>Irrigated facilities:</b>	Canal	Canal
<b>Source of Irrigation:</b>	Canal	Canal