

Introduction of the centre

Wheat Research Station, NAU, Bardoli was established in the year 1960 month of May with the approval of the Wheat Research Scheme by the Government of Gujarat. Then transferred to Gujarat Agricultural University on 01/06/1972 and is now run under Navsari Agricultural University from 01/05/2004.

The soil of the research station is heavily Black and rich in fertility. The soil is medium in nitrogen (N) and phosphorus (P) while in available potash (K) high, with 7.7 pH and 0.30 milliohms/cm electric conductivity with annual rainfall 1700mm.

This center is NAU substation for research in wheat crop under late sown irrigated conditions in Rice-Wheat cropping sequence and is representing the whole South Gujarat region i.e. seven districts viz. Navsari, Valsad, Dang, Surat, Tapi, Bharuch and Narmada of Gujarat state. The main objectives of this station are to develop high yielding, early maturity, terminal heat tolerant, high fertilizer responsive, disease resistant late sown wheat varieties with better grain quality of bread wheat for different production conditions. Simultaneously, the research work on new production technology and plant protection technologies for the newly released varieties of wheat for this area is also conducted regularly.

WRS, Bardoli center also research on cucurbitaceous vegetables crop with main objective to development of climate-resilient high-yielding varieties/hybrids in cucurbitaceous vegetables, development of hi-tech nursery and supply of quality seedlings of best varieties/hybrids of vegetables to the farmers of south Gujarat, and develop hi-tech production technologies of cucurbits, other introduced new hi-value vegetables crops under protected cultivation and transfer technologies, advanced skill with the farmers.

WRS, Bardoli is the volunteer center of AICRP on Wheat and Barley, IIWBR-ICAR, Karnal for the central zone of India, and also collaboratively work with the Main Wheat Research station, SDAU, Vijapur, and Main Vegetable Research Station, AAU, Anand.

This center is the testing/evaluating center for Wheat, Cucurbitaceous vegetables and Paddy multilocation varietal trail every year in *Rabi*, *Summer* and *Kharif*. For the last 20 years, this center has evaluated and contributed to the release of a total of 8 wheat Varieties (GW 496, GW 173, GW 273, GW 1139, GW 322, GW 11, GW 451, and GW 499) from the Main Wheat Research station, SDAU, Vijapur & total 8 Paddy varieties (GR 12, GR 11, GNR 2, GNR 3, GNRH

1, GR 16, GR 17 and GR 18) from Main Rice Research Station, NAU, Navsari and one variety Sun hem GNSU-1 (Vijay), one variety Fenugreek GM-4 (Supriya) from department of GPB, NMCA, NAU, Navsari and one variety Okra GNO-2 from department of vegetable science, ACH, NAU, Navsari.

Information of the centre:

- **Mode of travel to reach the center: (distance from Railway station/ Bus stop:** One km, by Auto Rickshaw on Bardoli –Ten road near " Alankar" cinema
- **Agro climatic Zone:** AES II South Gujarat Medium Rainfall Zone the station falls under Gujarat Agro climatic Zone II
- **Rainfall:** Average rain fall of last 30 years: 1500 mm
- **Soil:** Heavy Black type with average depth of 30 cm.
- **Temperature:** Min.17.5°C; Max. : 37.5°C
- **Latitude :**21°. 04 N **Longitude:** 73°. 03E
- **Farm area under Cultivation:** 7.61 ha
- **Area under farm structure and office building:** 1.04
- **Irrigated Area:** 7.61 ha
- **Source of irrigation:** Bore well (02) and canal
- **Address of the Research Station: Wheat** Research Station, Navsari
Agricultural University, ten Road, Bardoli-394 602
- **Phone No.:** (02622) 220 389. **E-mail:** - wrs@ nau.in
- **Name of the in charge:** Dr Rajesh D. Vekariya **Phone No.:** (M)
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