

INFORMATION OF WHEAT RESEARCH STATION, NAVSARI AGRICULTURAL UNIVERSITY, BARDOLI

| | |
|-----------------------------------|---|
| Name of centre | Wheat Research Station, Navsari Agricultural University,,Bardoli |
| Year of Establishment | June,1972 |
| Mandate& Objectives of the Centre | <p>Evaluation of Wheat Varieties suitable for late sown irrigated condition after Paddy and to develop the early maturing high yielding rust resistant Wheat variety for south Gujarat.</p> <ol style="list-style-type: none"> 1) To develop an early maturing high yielding variety which can be (fit in Rice- Wheat. Crop Sq. Taken after paddy by late sown in irrigated condition of south Gujarat. 2) To develop high yielding,Late heat tolerance, Rust disease resistant wheat for south Gujarat region 3) Screening of high temperature tolerance culture of Wheat crop for South Gujarat. |

Details of Land at the centre (ha)

| Cultivated | Irrigated | Non-Irrigated | Road margin | Area under Infrastructure | Total |
|------------|-----------|---------------|-------------|---------------------------|---------|
| 1 | 2 | 3 | 4 | 5 | (1+4+5) |
| 7.64 ha | 7.64 ha | 0.0 ha | 0.25 ha | 1.04 ha | 8.93 |

Details of Scheme (2017-18)

| Funding Agency | Budget Head | Title of Scheme/Project | Name of PI | Year of Starting |
|----------------|-------------|---------------------------------|---------------|------------------|
| Plan | 12004-1 | Strengthening Research in wheat | Prof. M D Lad | 1981 |
| Non Plan | 5004 | Research in wheat | Prof. M D Lad | 1972 |

Details of manpower at the centre(31.03.2018)

| Funding Agency | Name of employee | Designation | Pay scale | B.H. |
|----------------|------------------|------------------------------|---------------------------|---------|
| Plan | Prof M D Lad | Assistant Research Scientist | 15600-3900-0-0 GP 7000 | 12004-1 |
| Non Plan | Shri N N Lad | A.O. | 53100-167800-0-0 | 5004 |
| | Shri V H Barad | Agril. Assist. | 19950 (Fix) | |
| | Shri M B Suchal | Agril. Assist. | 25500-81100-0-0 | |
| | ---Vacant--- | Clerk | 19900-63200-0-0 | |

Scheme wise Details of Experiments (2017-18)

| Funding Agency | B.H. | Season | Title of Experiment |
|----------------|---------|--------|---|
| Plan | 12004-1 | Rabi | Advance Varietal Trial (Late sown situation) |
| | | | Large Scale Varietal Trial (Late sown situation) |
| | | | Small Scale Varietal Trial (Late sown situation) |
| | | | Preliminary Varietal Trial (Late sown situation) |
| | | | Preliminary Varietal Trial (Late sown situation) St.Trial |
| Non Plan | 5004 | Kharif | Advance Varietal Trial-Medium Slander |
| | | | Large Scale Varietal Trial –Early- Fine |
| | | | Small Scale Varietal Trial - Fine |
| | | | Small Scale Varietal Trial -Coarse-II |

Infrastructure facility available

| S.N. | Infra structure | Details & Number |
|------|---|--|
| 1 | Office Building. | 01 (Under Land Of Department Of Agricultural ,Gujarat State) |
| 2. | Farm Land Including Irrigation Facility | 8.93 ha |
| 3 | Farm Structures& Sheds | Class III,IV Quarters -3+5, Observatory + AWS-1, Threshing Yard-1 ,Gowdown-1 ,Farm Office-1, Crop museum-1, Seed Processing Unit-1, Implement Shed.-2 |
| 4 | Vehicle- Moter cycle | 01 |
| 5. | Farm Impliments | Wheat Thresher-1, Seed-cum- Fertilizer Drill-1, Bundformer-1, Farm Tract-45 with Hydrulic Trailler-1,Power Tiller-2,Plot Wheat Thresher-1, Agrosow Seed Grader Delux-1, Sub Soiler-1, Palti Plough -1, Disk Plough -1, Dicher-1, Grass cutter-1 .. |

ACHIEVEMENTS

| Activities | Technology | Number |
|----------------------|---|-----------|
| Varietal Development | Crop Improvement : Bardoli station has contributed in released of wheat Varieties-05 & Paddy varieties-08 from (Main wheat Res. Stn. Vijapur.) and Main Rice Res. Stn. Navsari & Navagam. | 13 |
| Recommendation | Agronomy-03 Soil Science-01 | 04 |
| TOTAL | | 17 |

Seed Production :

This station served the farmers by producing and distributing the Breeder/Foundation/Certified seed of improved varieties of Wheat their by increasing productivity and profitability of farmers.

Seed Production :- (2007-08 to 2016-17)

| Year | Season | Corp | Variety | Stage | Area (Ha) | prod. (Kg) | Productivity kg/ha |
|---------|--------|------------|----------|----------------|-----------|------------|--------------------|
| 2007-08 | Kharif | Paddy | GR-3 | Foundation | 1.17 | 4595 | 3927 |
| | | -,,- | Gurjari | Certified | 1.50 | 4250 | 2833 |
| | | -,,- | Jaya | -,,- | 4.97 | 24990 | 5028 |
| | Rabi | Wheat | Lok-1 | Breeder | 1.97 | 8100 | 4112 |
| | | -,,- | GW-496 | -,,- | 2.16 | 7700 | 3565 |
| 2008-09 | Kharif | Paddy | GR-3 | Foundation | 0.90 | 4060 | 4511 |
| | | -,,- | Gurjari | Certified | 0.50 | 2365 | 4730 |
| | | -,,- | Jaya | -,,- | 5.90 | 28730 | 4869 |
| | Rabi | Wheat | Lok-1 | Breeder | 2.55 | 7410 | 2495 |
| | | -,,- | GW-496 | -,,- | 2.97 | 5985 | 2347 |
| 2009-10 | Kharif | Paddy | GR-3 | Foundation | 1.00 | 4650 | 4650 |
| | | -,,- | Gurjari | Certified | 1.00 | 4520 | 4520 |
| | | -,,- | Jaya | -,,- | 5.21 | 30230 | 5802 |
| | Rabi | Wheat | Lok-1 | Breeder | 2.96 | 8020 | 2710 |
| | | | GW-496 | -,,- | 2.63 | 6620 | 2517 |
| 2010-11 | Kharif | Paddy | Gurjari | Certified | 0.90 | 3350 | 3722 |
| | | -,,- | Jaya | -,,- | 6.26 | 28900 | 4616 |
| | Rabi | Wheat | Lok-1 | Breeder | 2.92 | 9800 | 3356 |
| | | | GW-496 | -,,- | 3.03 | 8950 | 2953 |
| 2011-12 | Kharif | Paddy | Gurjari | Certified | 0.90 | 3150 | 3500 |
| | | -,,- | Jaya | -,,- | 6.26 | 30030 | 4797 |
| | Rabi | Wheat | GW-496 | -,,- | 3.09 | 11555 | 3739 |
| | | s'cane | Co 86032 | F1 | 1.18 | 114 tones | 96 tones |
| | Summer | Paddy | Gurjari | truthful | 0.50 | 2170 | 4340 |
| | | Green Gram | Meha | "-" | 1.10 | 1400 | 1272 |
| 2012-13 | kharif | Paddy | Jaya | Certified | 5.30 | 24,990 | 4715 |
| | | -"- | GNR.3 | truthful | 0.40 | 1845 | 4612 |
| | Rabi | Wheat | Lok 1 | Breeder | 5.00 | 15340 | 3068 |
| | | s'cane | Co 86032 | General Ratoon | 1.18 | 67 Tone | 57 Tone |
| 2013-14 | Kharif | Paddy | Jaya | Foundation | 2.00 | 8470 | 4235 |
| | | | -"- | Certified | 3.60 | 13280 | 3688 |
| | | -,,- | GNR-3 | Truthful | 0.40 | 1100 | 2750 |
| | Rabi | Wheat | Lok.1 | Breeder | 5.00 | 12800 | 2560 |
| | | -"- | Lok 1 | Truth ful | 0.20 | 650 | 3250 |
| | | -"- | GW 496 | Truth | 0.10 | 370 | 3700 |
| | Summer | G. Gram | Meha | Certified | 1.20 | 1500 | 1250 |

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|---------|-------------|--------------|---------------|------------------|-------------|--------------|-------------|
| 2014-15 | Kharif | Paddy | jaya | Foundation | 2.11 | 11330 | 5370 |
| | | --,- | Jaya | Certified | 4.80 | 23940 | 4987 |
| | | --,- | GNR 3 | Truthful | 0.50 | 2865 | 5730 |
| | <i>Rabi</i> | <i>Wheat</i> | <i>Lok-1</i> | <i>Breeder</i> | <i>3.00</i> | <i>11100</i> | <i>3557</i> |
| | | --,- | <i>GW-496</i> | --,- | <i>1.00</i> | <i>2500</i> | <i>2500</i> |
| | Summer | Paddy | Jaya | Truthful | 0.60 | 2800 | 4666 |
| | | | G. gram | Certified | 1.83 | 1980 | 1081 |
| 2015-16 | Kharif | Paddy | Jaya | Foundation | 0.79 | 3920 | 4962 |
| | | --,- | Jaya | Certified | 6.51 | 31430 | 4827 |
| | | Wheat | Lok-1 | Breeder | 3.02 | 9220 | 3053 |
| | Rabi | --,- | Lok.1 | Truthful | 1.10 | 3720 | 3381 |
| | | | GW-496 | Truthful | 1.00 | 2820 | 2820 |
| | Summer | Greem gram | meha | Foundation | 0.80 | 740 | 925 |
| | | | meha | Certified | 0.80 | 910 | 1138 |
| 2016-17 | Kharif | Paddy | Jaya | Foundation | 0.79 | 3380 | 4225 |
| | | --,- | Jaya | Certified | 4.42 | 18815 | 4406 |
| | | | GNR 3 | Certified | 1.00 | 4870 | 4870 |
| | Rabi | Wheat | Lok-1 | Breeder | 3.00 | 7900 | 2633 |
| | | --,- | Lok.1 | Truthful | 0.98 | 2945 | 2945 |
| | | | GW-496 | Truthful | 1.13 | 2215 | 2215 |
| | Summer | G.Gram | Meha | Certified | 1.20 | 1400 | 1166 |
| 2017-18 | Kharif | Paddy | Jaya | Foundation | 0.79 | 3810 | 4762 |
| | | --,- | Jaya | Certified | 3.60 | 16940 | 4705 |
| | | | GNR 3 | Certified | 2.00 | 8330 | 4165 |
| | Rabi | Wheat | Lok-1 | Breeder | 2.00 | 6080 | 3040 |
| | | --,- | Lok.1 | Truthful | 0.84 | 2105 | 2476 |
| | | | GW-496 | Breeder | 1.00 | 2742 | 2742 |
| | | | GW-496 | Truthful | 1.00 | 2530 | 2530 |
| | Summer | G.Gram | GM-6 | Truthful | 1.60 | 1440 | 900 |

Contect :

| Name of Head | Designation | Contect |
|---------------|------------------------------|--|
| Prof. M D Lad | Assistant Research Scientist | Email : wrs@nau.in LL : (02622) 220 389 |

PHOTOGRAPHS:

1.OFFICE/GATE, BOARD



FARM GATE



WEATHER STATION



2.EXPERIMENTS

WHEAT CROP



PADDY CROP



3. MUSEUM



4. SEED PROCESSING UNIT



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