

9. Achievements

- Since its establishments in 1896, the cotton research station, Surat has been a trail-blazer for its research achievements.
- The first-ever Indo-American variety Deviraj, involving American and Asiatic blood was released in 1951.
- Global pioneer in development of commercial hybrid technology in the world.
- World's first intra-specific hirsutum hybrid cotton Hybrid-4, from this station in 1971. This hybrid proved to be harbinger for researchers elsewhere in the country as well as abroad.
- An early maturing, suitable for rainfed growing, medium staple hirsutum variety, G.Cot-10 was released in 1974 which is also male parent of G.Cot.Hy-6-a superior quality cotton and female parent of G.Cot.Hy-8-a versatile hybrid especially for rainfed.
- The first ever budded cotton G.Cot-101 which was released in 1977.
- Concurrent efforts for development of desi hybrid culminated in the release of G.Cot.DH-7 in 1984.
- In 1989, the first ever extra long staple desi hybrid G.Cot.DH-9 was released.
- The first GMS based desi hybrid G.Cot.MDH-11 and hirsutum-barbadense hybrid G.Cot.Hy-102 are released.
- A hirsutum variety G.Cot.20 and a hybrid G. Cot. Hy 12 suited to all conditions of the state has been released.
- Recently released two BG-II Cotton hybrids G. Cot Hy.6 (BG-II) and G.Cot.Hy-8 (BG-II), the first ever feat by any public sector in India the hybrids were originally released under the regime of AICCIP in 1982 and 1988, respectively.
- First jassid immune variety of *G. hirsutum* G (N) Cot.22 was developed in 2014.
- First barbadense variety GSV-39 (G.N.Cot.103) was released in Gujarat from Surat in 2014.
- G. Cot Hy.10 (BG-II) and G. Cot. Hy-12 (BG-II) approved by GEAC in 2015.
- State Agriculture Plan (SAP) for cotton was accepted as model SAP for the state in 2015.
- A intra hirsutum hybrid viz; GN. Cot. Hy. 18, two *hirsutum* varieties viz; GN.Cot.26 and GN.Cot.32 and one *G. arboreum* variety GN.Cot.29 were developed recommended for cultivation in Gujarat State in the year 2017.
- Two *G. hirsutum* varieties viz., GSHV 180 and GSHV 172 were identified for cultivation in central zone by Central Variety Identification Committee (CVIC) of AICRP on cotton in the year of 2019 under rainfed and irrigated condition respectively.