

CottonGen Database

CottonGen was started in late 2011 to provide the cotton research community a repository for genomic, genetic, and breeding data.

The screenshot shows the CottonGen Database website. At the top, there is a navigation bar with the CottonGen logo and menu items: Species, Data, Search, Tools, ICGI, and General. A search bar and a Login button are also present. Below the navigation bar, the main content area features the CottonGen logo and the text "COTTON GEN COTTON DATABASE RESOURCES" and "Genomic, Genetic and Breeding Resources for Cotton Research Discovery and Crop Improvement". To the right, there is a "News and Events" section with a list of recent events and a "more" link. Below this, there are two sections: "Major Species Quick Start" and "Tools Quick Start". The "Major Species Quick Start" section has four icons representing different cotton species: arboreum, barbadense, herbaceum, and hirsutum. The "Tools Quick Start" section has four columns: genomics, genetics, breeding, and general, each with a list of tools and links. At the bottom of the page, there is a footer with logos for Cotton Incorporated, USDA, ARS, Bayer CropScience, DOW, Dow AgroSciences, MONSANTO, SCS1900 Southern Association of Agricultural Experiment Station Directors, and NRSP10. Below the logos, it says "CottonGen is developed by the Mainlab at Washington State University." and "Copyright © 2010-2018. This site is designed to work with IE, Chrome, Firefox, Safari and Opera. Contact us | follow us".

Since the first full year rollout of CottonGen, users and pages viewed have increased 4 fold. A breeder training session was conducted at the 2017 Beltwide Conference and CottonGen staff regularly present posters at the Plant & Animal Genome Conference. In 2018 CottonGen is again hosting registration for the biennial International Cotton Genome Initiative Conference to be held in May, 28 - June 2.

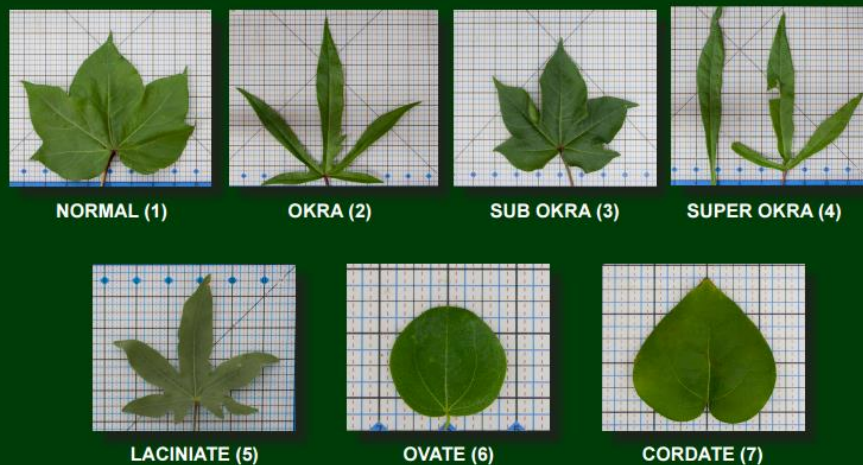
One of the crucial uses of CottonGen is the characterization data and photo storage of USDA-ARS National Cotton Germplasm Collection entries. This is an on-gong project involving numerous scientists in College Station, TX, Stoneville, MS, Liberia, Costa Rica, and Pullman, WA. Currently about 60% of the germplasm collection is characterized.

BOLL COLOR



Characterization Photos of Entries from the National Cotton Germplasm Collection

LEAF SHAPE



Since inception our generous financial supporters have included the Southern Association of Agricultural Experiment Station Directors, USDA-ARS, Bayer CropScience, Dow, Monsanto, and NRSP10. Cotton Incorporated provides roughly 50% of the financial support and project management oversight. The principal investigator and developer of CottonGen is Dr. Dorrie Main at Washington State University.