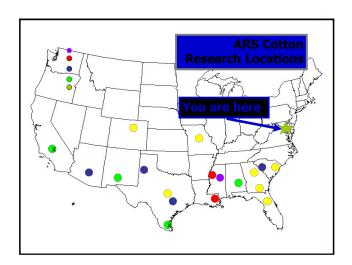
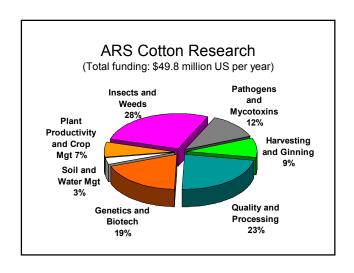


ARS is One of Several Partners in Cotton Research in the U.S.

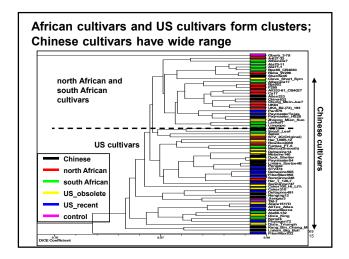
- ✓ ARS: Broad, long-term problems of regional or national scope. Responsible for collecting data for U.S. regulatory agencies.
- ✓ State Universities: Regional or local issues, education/extension
- ✓ Private Companies: Product development and commercialization





Unique Features of ARS Cotton Research in the U.S.

- √ Cotton Germplasm Collection
 - ✓9,000+ genetic accessions (cultivated and non-cultivated)
 - ✓ Removing redundancy
 - √ Resource for geneticists around the world



Unique Features of ARS Cotton Research in the U.S. (contd)

- ✓ Cotton Ginning Laboratories
 - √3 laboratories do applied research on ginning technology
 - ✓ Responsible for most of the advances in ginning technology of the last 50 years

Unique Features of ARS Cotton Research in the U.S. (cont'd)

✓Integration

- ✓ Research spans from field to fabric, all in one organization
- ✓ Proposed changes in cotton production practices can be evaluated economically, including effects on spinning and weaving

Unique Features of ARS Cotton Research in the U.S. (cont'd)

√ Biotechnology Risk Assessment

- ✓ Long-term experiments on ecological safety require stable funding and a national approach
- ✓ Monitoring of insect resistance to Bt for the Environmental Protection Agency

Goal of ARS Cotton Research

To Make U.S. Cotton Production and Processing Efficient, Sustainable, Safe, and Highly Competitive





ARS Cotton Research

Cotton Breeding and Genetics

- Genetic and Cultural Practice Improvement for Sustainable Cotton Production Florence Improving Cotton yield and Fiber Quality through Genetics and Management Stoneville
- Improving Cotton Fiber Quality through Conventional and Molecular Approaches College Station Characterization of the ARS Cotton Germplasm Collection College Station
- General Cotton Genetics and breeding Research MS State

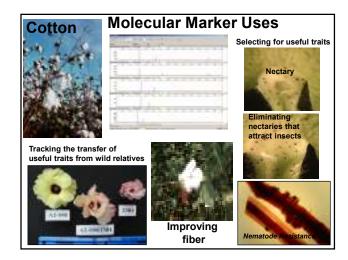
Management of Cotton Insect Pest, Nematodes, and Diseases Cotton Leaf Curl Virus Research

- Fusarium wilt and Program Research Sustainable Pest Management Strategies

Cotton Ginning, Quality and utilization

- Enhancing Quality, Utility, Sustainability Environmental Impact of Cotton and its By-products through Improvement in Harvest/Gin Processing
 Cotton Production and Processing Research

- Cotton Fructure and Quality
 Cotton Ginning Research as it Relates to the US Cotton System
 Value-added Products from Cotton Seed





For More Information on ARS's Research on Crop Production and Protection

http://www.ars.usda.gov/Research/Research.htm