SAAESD
Cotton Winter Nursery
CottonGen

Don C. Jones

Auburn, Alabama
Cotton Winter Nursery Consortium

• History & Functions
• Location & Progress
• Budget
History

• 60+ Year Asset to Research Community
• Short Day Growing Environment (12 Hour Day)
• 10-15 Users / Year (99% Public & 1% Private)
• Historical Percent Use
  78 - 37% USDA-ARS
  22 - 63% University
Functions

- Seed Increase
- Generation Advancement
- 99% Selfing & 1% Crossing
- Special Projects (FOV4)
- Characterization of National Cotton Germplasm Collection

Height, Maturity, Growth Habit, Locule Number . . . up to 30 Traits
Location
Accomplishments / Progress

- Alfonso Palafox Hired as Manager
- One Time $500,000 from USDA
- Building, Land, Well/Drip Irrigation System, Tractor, & Equipment Purchased
- Field Staff Hired (Only 2 Year Round)
- Delinting System Developed (Huge Time Saver)
- Costa Rica Workers Compensation & Social Security Laws Learned
- US and Costa Rica Import, Export, Phytosanitary & Shipping Permits
Progress Starting in 2015 (1\textsuperscript{st} Year Site)

- Moved H$_2$O 5 km
Progress 2016 to Present (Current Site)
Pictures of Manager, Field, and Harvest

Alfonso Palafox

Drip Irrigation

Harvest Time
### Budget 2016 - 2020

#### Expenses

<table>
<thead>
<tr>
<th>Expenses</th>
<th>2016-17</th>
<th>2017-18</th>
<th>2018-19</th>
<th>2019-20</th>
<th>2020-21</th>
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#### Income

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**DEFICIT**  
$16,971  
$18,721  
$8,930   
$20,938  
$23,408

Cotton Incorporated  
$98,150  
$116,091 |

**User Fees**  
$95,472  
$94,473  
$59,715  
$35,658  
$-      

**Fixed Expenses**  
$2,678  
$21,618  
$13,404  
$68,934  
$125,000
CottonGen Database

Welcome to CottonGen, a new cotton database incorporating the genomic markers and variable sequence elements important to S. tuberosum and S. exigua. All information is available on this website as well as through the Cotton Genomics Database at the University of Idaho. This database is a collaborative effort among scientists around the world who are interested in cotton production.

The Genomics, Genetics and Breeding Resource for Cotton Improvement

A collaborative among Cotton Incorporated, USDA-ARS, and Washington State University, with valuable input from many investigators across the U.S. and around the world.

CottonGen Team

Dr. Dorrie Main
Principal Investigator

Dr. Soo Jung
Co-PI

Dr. Jing Yu
Research Associate

Dr. James Crabb
Data Curator

Dr. Ping Zheng
Research Associate

Dr. Jodi Humann
Research Associate

Chun-Huai Cheng
Developer

Teain Lee
Developer

Kathryn Biddle
Developer

Heidi Nough
Database Administrator

Morgan Frank
Data Curator

Kristin Scott
Data Curator

About CottonGen

CottonGen is a cotton community genomics, genetics and breeding database being developed to enable basic, translational and applied research in cotton. It is being built using the open-source Tripal database infrastructure. CottonGen will initially consolidate the data from CottonDB and the Cotton Marker Database, which includes sequences, genetic and physical maps, genotypic and phenotypic markers and polyphenols, QTLs, pathogen, genepool and collection data, pedigrees, and relevant bibliographic citations. It will be expanded to include annotated transcriptome, genome sequence, marker trait loci and breeding data, as well as enhanced tools for easy opening and visualizing research data. It will facilitate community communication and collaboration through fostering the ICGI website and making tools. This project is funded by Cotton Incorporated, the USDA-ARS Crop Germplasm Research Unit at College Station, TX, the Southern Association of Agricultural Experiment Station Directors, Bayer CropScience, DowPhyten, Monsanto and Washington State University.

2012
## CottonGen Budget

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