

# 2022 Conference Descriptions

## Technical Conferences

**Tuesday, January 4**

### **Cotton Consultants Conference**

The Cotton Consultants Conference is comprised of invited presentations to help satisfy the technical needs of cotton consultants and others involved in agronomic and pest management decision making. This conference is open to all individuals who desire technical pest management and production related updates.

**Wednesday, January 6 and Thursday, January 7**

### **Cotton Agronomy, Physiology and Soil Conference**

The Cotton Agronomy, Physiology and Soil Conference provides a forum for a discussion of the life processes of cotton plants and interactions among plant and soil variables that affect crop performance and profitability. This includes recent and on-going research that addresses broad topics related to cotton production, including but not limited to: rotations, plant nutrition, fertilizer formulations, fertilizer application rates and techniques, beneficial use of wastes (manures and biosolids), tillage methods, irrigation technology, remote sensing, and precision agriculture. Presentations and posters will include 1) basic research designed to provide a better understanding of cotton life processes, 2) studies on genetic, chemical, biological and physical means of manipulating the physiology of the plant for higher yield and improved fiber quality, and 3) applied research relating to physiological aspects of cotton growth, production and management.

### **Cotton Disease Council**

The Cotton Disease Council represents all areas of cotton disease and nematode research, extension, teaching, industry and production. Participation is open to all individuals with an interest in diseases and nematodes of cotton. The program includes formal presentations and posters relating to diseases and nematodes of cotton.

### **Cotton Economics and Marketing Conference**

The conference addresses a wide range of topics including marketing, production, consumer demand, trade, policy analysis, and risk management. The conference includes a Cotton Economics Forum, which explores the market outlook as well as developments in policy and trade. Subsequent sessions and poster displays from researchers in industry, government and academia focus on the improvement of understanding of economic and policy-related factors affecting cotton production and downstream industries.

### **Cotton Engineering-Systems Conference**

The conference provides an opportunity for discussions between engineering researchers and individuals from other industry segments. Engineers and other researchers from industry, universities and federal agencies present information on an array of engineering solutions to problems in cotton production, harvesting and processing.

### **Cotton Ginning Conference**

The Cotton Ginning Conference provides a forum for researchers and industry representatives to exchange information on new technology to improve gin operation efficiency and the preservation of fiber quality. Industry issues are addressed by researchers and industry experts covering areas such as innovative management strategies, energy conservation, contamination, environmental regulations and compliance, labor law compliance and safety.

A joint session with the Cotton Engineering Systems Conference will include the most recent cotton ginning and harvesting research results, with a primary focus on those related to cotton ginning and harvesting, environmental quality measurements and fiber quality preservation.

### **Cotton Improvement Conference**

The Cotton Improvement Conference focuses on breeding and genetics research and development, including classical and newer molecular approaches. The conference provides a forum for scientists and representatives from both industry and public institutions to share the results of their research and development efforts among plant breeders, applied and molecular geneticists, other research scientists and the public.



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#### Cotton Insect Research and Control Conference

The Cotton Insect Research and Control Conference highlights the latest developments in cotton insect pest management with technical papers and posters, and a student paper competition. A blend of university and industry presentations provides technical as well as practical information to farmers, agricultural consultants and crop managers.

#### Cotton Quality Measurements Conference

The Cotton Quality Measurements Conference provides an opportunity for researchers focused on aspects pertaining to cotton quality and the measurements of cotton quality to share their research. The conference includes presentations on active and recent research pertaining to instruments and procedures used to measure and evaluate the diverse properties of cotton fibers. Issues being faced in this field include the measurement challenges in cotton breeding and biotechnology programs, global competition and discussions of a universal classing system, and the acceptance of globally recognized cotton standards and cotton testing conditions. The conference is a forum for discussing relationships among fiber quality, processing efficiency and product quality as well as measurement characteristics such as fiber length distribution, fiber neps and contamination (e.g., trash, seed coat fragments and stickiness) along with new developments in measurement and fiber evaluation technology.

#### Cotton Sustainability Conference

The Cotton Sustainability Conference is a forum for participants from the entire cotton value chain to discuss and promote continuous improvement in the sustainability of US cotton. Participation from universities, producers and consultants, non-governmental organizations (NGOs), and brands and retailers will allow for a holistic conversation of current sustainability trends in the industry. This forum will also cover new sustainability programs and best management practices; industry, brand, and retail sustainability goals; market opportunities and downstream perspectives.

#### Cotton Utilization Conference

The Cotton Utilization Conference is concerned with the marketability of cotton fiber as a manufacturing raw material. Submitted papers will explore the latest research into practical aspects of cotton competitiveness on the global textile market in both conventional and nonconventional applications (e.g., apparel, home furnishing, technical textiles, nonwoven...). This includes all aspects of cotton fiber processability, textile yarn and fabric manufacturing, finishing technology, and end-use. This Conference provides an excellent opportunity for cotton researchers to formulate research goals for new and expanded markets in cotton textile and para-textile applications.

#### Cotton Weed Science Research Conference

The Cotton Weed Science Research Conference will include paper and poster presentations highlighting the latest research on weed management systems in cotton. Papers will emphasize practical and economical weed control programs involving overviews of new herbicides and technological advances, control options for weed control and resistance management, weed control in reduced tillage and row-spacing systems, and management systems for various herbicide tolerant traits.



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