Beltwide Cotton Conferences

January 3-5, 2018
Marriott Rivercenter Hotel
San Antonio, Texas
### Schedule of Events

**Wednesday, January 3**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>7:00a- 24 hrs.</td>
<td>Speaker Practice Room</td>
<td>Conf. Room 9</td>
</tr>
<tr>
<td>7:00a- 24 hr.</td>
<td>Internet Café <em>(Sponsored by Farm Credit)</em></td>
<td>3rd Floor Foyer</td>
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<tr>
<td>7:30a- 1:00p</td>
<td>Extension Cotton Specialist Meeting <em>(By Invitation Only)</em></td>
<td>Conf. Rooms 13-14</td>
</tr>
<tr>
<td>8:00a- 12:30p</td>
<td>USDA Cotton Scientists Meeting <em>(By Invitation Only)</em></td>
<td>Salon B</td>
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<tr>
<td>9:00a- 7:00p</td>
<td>Conference Registration</td>
<td>3rd Floor Foyer</td>
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<tr>
<td>9:00a- 7:00p</td>
<td>Newsroom</td>
<td>Conf. Room 5</td>
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<tr>
<td>9:00a- 7:00p</td>
<td>Confex Presentation Uploading Room for Speakers</td>
<td>Conf. Room 15</td>
</tr>
<tr>
<td>11:30a- 12:15p</td>
<td>Consultants Conference Luncheon <em>(Sponsored by Monsanto, Bayer, Dow AgroSciences, FMC Corporation, and Syngenta)</em></td>
<td>Salon G</td>
</tr>
<tr>
<td>12:00p- 5:00p</td>
<td>Precision Cotton Researchers Working Group <em>(By Invitation Only)</em></td>
<td>Salon A</td>
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<tr>
<td>12:15p- 6:00p</td>
<td>Consultants Conference General Session</td>
<td>Salon F</td>
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<tr>
<td>1:30p- 3:00p</td>
<td>NCGA Safety and Labor Committee</td>
<td>Conf. Rooms 1-3</td>
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<tr>
<td>3:00p- 3:30p</td>
<td>Coffee Break</td>
<td>Salon F Foyer</td>
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<tr>
<td>3:15p- 4:45p</td>
<td>NCGA Technology Com. – Air Quality Subcommittee</td>
<td>Conf. Rooms 1-3</td>
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<tr>
<td>3:30p- 4:30p</td>
<td>National Cotton Variety Testing Committee <em>(By Invitation Only)</em></td>
<td>Conf. Rooms 13-14</td>
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<tr>
<td>4:30p-5:30p</td>
<td>Cotton Germplasm Committee <em>(By Invitation Only)</em></td>
<td>Conf. Rooms 13-14</td>
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<tr>
<td>5:20p- 6:00p</td>
<td>Cotton Consultants Conference Business Meeting</td>
<td>Salon F</td>
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<tr>
<td>5:30p- 6:30p</td>
<td>Regional Breeders Test Meeting <em>(By Invitation Only)</em></td>
<td>Conf. Rooms 13-14</td>
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<tr>
<td>6:00p- 7:00p</td>
<td>Welcome Reception - All registered attendees invited <em>(Sponsored by BASF)</em></td>
<td>Salon I</td>
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</table>

The contents of this booklet are current as of early December. Changes to the Schedule of Events, BWCC Technical Conferences sessions or other BWCC activities that occurred after the booklet was printed can be found on the BWCC website, [http://www.cotton.org/belt-wide/index.cfm](http://www.cotton.org/belt-wide/index.cfm), or by using one of the BWCC scheduling tools referenced on page five of this booklet.
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<td>7:30a- 8:00a</td>
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<tr>
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<tr>
<td>8:00a- 11:00a</td>
<td>NCGA Technology Committee</td>
<td>Conf. Rooms 1-3</td>
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<tr>
<td>8:00a- 5:00p</td>
<td>Cotton Agronomy, Physiology &amp; Soils Conference (Session A)</td>
<td>Salon G</td>
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<tr>
<td>8:00a- 5:00p</td>
<td>Cotton Agronomy, Physiology &amp; Soils Conference (Session B)</td>
<td>Salon J</td>
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<tr>
<td>8:00a- 5:00p</td>
<td>Cotton Improvement Conference</td>
<td>Salon I</td>
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<tr>
<td>8:00a- 5:00p</td>
<td>Cotton Engineering-Systems Conference</td>
<td>Salon D</td>
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<tr>
<td>8:00a- 5:00p</td>
<td>Cotton Disease Council</td>
<td>Salon K</td>
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<tr>
<td>8:00a- 10:00p</td>
<td>Poster Board Session</td>
<td>Salon E</td>
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<tr>
<td>8:40a-12:00p</td>
<td>Cotton Weed Science Research Conference</td>
<td>Salon M</td>
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<tr>
<td>10:00a- 10:30a</td>
<td>Coffee Break <em>(Sponsored by Monsanto)</em></td>
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<tr>
<td>10:30a-12:00p</td>
<td>Cotton Utilization Conference</td>
<td>Salon C</td>
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<tr>
<td>10:30a-12:00p</td>
<td>Cotton Economic Outlook Symposium</td>
<td>Salon F</td>
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<tr>
<td>11:00a- 12:00p</td>
<td>Cotton Insect Research &amp; Control Roundtable</td>
<td>Salon H</td>
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<td>1:30p- 5:15p</td>
<td>Cotton Ginning Conference</td>
<td>Salon A</td>
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<td>1:30p- 5:30p</td>
<td>Cotton Insect Research &amp; Control Conf. – MS Student Competition</td>
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<tr>
<td>1:30p- 5:30p</td>
<td>Cotton Insect Research &amp; Control Conf. – PhD Student Paper Competition</td>
<td>Salon H</td>
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<tr>
<td>1:30p- 6:00p</td>
<td>Cotton Economics and Marketing Conference</td>
<td>Conf. Rooms 17-18</td>
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<tr>
<td>3:15p- 4:00p</td>
<td>Coffee Break in Poster Board Session <em>(Authors Present)</em> <em>(Sponsored by Monsanto)</em></td>
<td>Salon E</td>
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<tr>
<td>5:15p- 7:00p</td>
<td>Cotton Disease Council Business Meeting</td>
<td>Salon K</td>
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<tr>
<td>5:30p- 7:00p</td>
<td>Cotton Insect Research &amp; Control Conference Business Meeting and Mixer <em>(Sponsored by Bayer)</em></td>
<td>Salon H</td>
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<tr>
<td>6:00p- 7:00p</td>
<td>Cotton Industry Support Group Meeting</td>
<td>Salon A</td>
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<tr>
<td>6:00p- 7:00p</td>
<td>Journal of Cotton Science Editorial Board</td>
<td>Conf. Rooms 13-14</td>
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<tr>
<td>7:30p- 9:00p</td>
<td>Joint Cotton Breeding Committee</td>
<td>Conf. Room 12</td>
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<td>Confex Presentation Uploading Room for Speakers – <em>Closed</em> – (presenters go to meeting rooms to upload)</td>
<td>Conf. Room 15</td>
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<td>Cotton Improvement Conference</td>
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<td>Quality Measurements Conference</td>
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<td>8:00a-10:30a</td>
<td>Cotton Insect Research &amp; Control Conf. – Session B</td>
<td>Salon L</td>
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<td>Cotton Insect Research &amp; Control Conf. – Session A</td>
<td>Salon H</td>
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<tr>
<td>8:00a-12:00p</td>
<td>Drone Workshop: Risk &amp; Reward: Small Unmanned Aircraft Systems (sUAS) for Agricultural Producers</td>
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Mobile Access/Online Scheduler

To help with event planning/scheduling, BWCC attendees may use the Online Scheduler which contains the 2018 BWCC QR Code above. This QR Code can be scanned with a cell phone app so the online scheduler page can be accessed via the cell phone's browser. This Online Scheduler, also available from the BWCC website's home page, www.cotton.org/beltwide, requires no log-in. The Scheduler can be used to view session details and to search for topics or presenters in your field of interest.* Attendees who desire to save a schedule to their own computer/PDA or to print a hard copy should use the BWCC’s Personal Scheduler.

Personal Scheduler

BWCC attendees may use the Personal Scheduler to plan their daily activities. Also available from the BWCC website (see URL above), the scheduler contains links that allow program browsing, searching for specific presenters/events of interest, and viewing abstracts/sessions/etc. The Beltwide’s Personal Scheduler also can be used to track events/sessions the user may choose not to attend and/or to track unofficial meetings/engagements during the Conferences. Once an attendee builds a personal schedule, it may be saved to their own computer/PDA or print a hard copy.

*Information about the 2018 BWCC Proceedings and recorded presentations is available in the back of this booklet.

Internet Café and Wi-Fi

Wi-Fi Address: beltwide2018
CEU Information

BWCC attendees are encouraged to seek CEU credits from the appropriate agency based on an individual's level of participation in BWCC programs.

The CEU application process is now tailored to the CEU requirements of each certifying entity (state regulatory authority or association certifier). Until recently, the application process across entities was relatively uniform. However, application processes have diverged to the extent that it is no longer feasible for BWCC staff to provide blanket CEU application services. BWCC staff will submit the final BWCC program to those states and agencies listed below that may accept the BWCC Technical Conferences program for CEU evaluation. It is up to individuals to submit their application to their desired accreditation authority.

Texas attendees at the 2018 Beltwide Cotton Conferences (BWCC) who are interested in CEU credits must: 1) register and attend the Conferences and 2) submit their request for CEU credits on the form at http://forms.texasagriculture.gov/form/63544527460154. This form must be completed within 30 days of the 2018 BWCC’s conclusion (January 5).

<table>
<thead>
<tr>
<th>Accrediting Group or State</th>
<th>Address</th>
<th>Phone Numbers</th>
<th>Email</th>
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<tbody>
<tr>
<td><strong>Certified Crop Adviser (CCA) Program</strong></td>
<td>American Society of Agronomy (Soil Science Society of America), 5585 Guilford Road, Madison, WI 53711-5801</td>
<td>Phone: 608-268-4953; Fax: 608-273-2081; Toll Free Number: 866-359-9161; Email: <a href="mailto:ledwardson@sciencesocieties.org">ledwardson@sciencesocieties.org</a></td>
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<tr>
<td><strong>Alabama</strong> Department of Agriculture &amp; Industries, Pesticide Management ~ Certification Unit; 1445 Federal Drive, Montgomery, AL 36107; Phone: 334-240-7240; Fax: 334-240-7168; Email: <a href="mailto:Barbara.gates@agi.alabama.gov">Barbara.gates@agi.alabama.gov</a></td>
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<td><strong>Arizona</strong> Department of Agriculture, Office of Pest Management; 1688 West Adams, Phoenix, AZ 85007; Phone: 602-255-3662; Email: <a href="mailto:rwalker@azda.gov">rwalker@azda.gov</a></td>
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<td><strong>Arkansas</strong> Charles E. Denver, Denver Crop Consultants; P.O. Box 304, Watson, AR 71674; Phone: 870-866-2335; Fax: 870-644-3254; Email: <a href="mailto:cdagri@hotmail.com">cdagri@hotmail.com</a></td>
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<td><strong>California</strong> Department of Pesticide Regulation; P. O. Box 1379, Sacramento, CA 95812; Phone: 916-445-3914; Fax: 916-928-0705; Email: <a href="mailto:info4ce@cecpm.com">info4ce@cecpm.com</a></td>
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<td><strong>Georgia</strong> Department of Agriculture; 19 Martin Luther King, Jr. Dr., Room 410, Atlanta, GA 30334; Phone: 404-656-4960; Fax: 404-657-8378; Email: <a href="mailto:Adrean.Rhodes@agr.georgia.gov">Adrean.Rhodes@agr.georgia.gov</a></td>
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<td><strong>Louisiana</strong> Department of Agriculture &amp; Forestry, Office of Agricultural &amp; Environmental Sciences; 5825 Florida Blvd. Ste. 3003, Baton Rouge, LA 70806-4259; Phone: 225-925-3763; Fax: 225-237-5725; Email: <a href="mailto:kevin_w@ldaf.state.la.us">kevin_w@ldaf.state.la.us</a>; Web: <a href="http://www.ldaf.state.la.us">www.ldaf.state.la.us</a></td>
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<td><strong>Mississippi</strong> Department of Agriculture &amp; Commerce, Bureau of Plant Industry, Pest Control Section; P.O. Box 5207, Mississippi State, MS 39762; Phone: 662-325-0522 or 662-325-7766; FAX: 662-325-0397; Email: <a href="mailto:russellk@mdac.ms.gov">russellk@mdac.ms.gov</a> (or) <a href="mailto:AnnaA@mdac.ms.gov">AnnaA@mdac.ms.gov</a></td>
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<tr>
<td><strong>New Mexico</strong> Department of Agriculture, Cert. &amp; Training Specialist; 190 S. Espina, MSC 3AQ, Box 30005, Las Cruces, NM 88003-8005; Phone: 575-646-4837; FAX: 575-646-1540; Email: <a href="mailto:lthomen@nmda.nmsu.edu">lthomen@nmda.nmsu.edu</a></td>
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<tr>
<td>State</td>
<td>Pesticide Section/Agency, Address and Contact Information</td>
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<td>North Carolina</td>
<td>Pesticide Section, NCDA &amp; CS; 1090 Mail Service Center, Raleigh, NC 27699-1090; Phone: 919-857-4133; FAX: 919-733-9796; Email: <a href="mailto:John.Feagans@ncagr.gov">John.Feagans@ncagr.gov</a></td>
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<tr>
<td>Oklahoma</td>
<td>Pesticide Certification &amp; Training Administrator, Agriculture, Food and Forestry, Consumer Protection Services; 2800 N. Lincoln Blvd., Oklahoma City, OK 73105; Phone: 405-522-5993; Fax: 405-522-5986; Email: <a href="mailto:ryan.williams@ag.ok.gov">ryan.williams@ag.ok.gov</a></td>
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<tr>
<td>South Carolina</td>
<td>Special Programs Manager/Recertification Manager Department of Pesticide Regulation Division of Regulatory &amp; Public Service Programs 511 Westinghouse Road, Pendleton, SC 29670; Phone: 864-646-2150; Fax: 864-646-2179; Email: <a href="mailto:thghslr@clemson.edu">thghslr@clemson.edu</a></td>
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<tr>
<td>Tennessee</td>
<td>Department of Agriculture, Ellington Ag. Center, Regulatory Services; 440 Hogan Road, Melrose Station, Nashville, TN 37204; Phone: 615-837-5310; Fax: 615-837-5012; Email: <a href="mailto:mary.borthick@tn.gov">mary.borthick@tn.gov</a></td>
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<tr>
<td>Texas</td>
<td>Department of Agriculture, Coordinator for Pesticide Certification and Compliance; P.O. Box 12847, Austin, TX 78711; Phone: 512-463-7692 or 800-835-5832; Fax: 888-216-9865; (CEU inquiries) Email: <a href="mailto:recertcourses@texasagriculture.gov">recertcourses@texasagriculture.gov</a>; Phone: 512-463-8713</td>
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Cotton Consultants Conference

Wednesday, January 3, 2018

CONSULTANTS CONFERENCE
Salon F (Marriott Rivercenter Hotel) - 12:15 PM-5:20 PM

12:15 PM  Opening Remarks
Hank Jones, RHJ Ag Services, LLC., Winnsboro, LA

12:25 PM  Bayer

12:30 PM  DOW

12:35 PM  FMC

12:40 PM  Monsanto

12:45 PM  Syngenta

12:50 PM  Moving to Bollgard III
Gus Lorenz, The University of Arkansas, Lonoke, AR

1:20 PM  Dicamba and 2-4 D Technology: The Good, The Bad, and The Ugly
Larry Steckel, University of Tennessee, Jackson, TN

1:42 PM  Dicamba and 2-4 D: Year 1
A. Stanley Culpepper, University of Georgia, Tifton, GA

2:05 PM  Growing Cotton Economically
Darrin M. Dodd, Mississippi State University, Mississippi State, MS

2:35 PM  Expectations for the Bt Lygus and Thrips Trait Based on Current Experiences
Scott D. Stewart, The University of Tennessee, Jackson, TN

3:05 PM  Break

3:20 PM  Contamination Elimination
Bill Norman, National Cotton Council, Cordova, TN

3:35 PM  Regulatory Update
Don Parker, National Cotton Council, Cordova, TN

3:55 PM  An Old Foe: The Re-Emergence of Bacterial Blight
Tom W. Allen, Mississippi State University, Delta Research and Extension Center, Stoneville, MS

4:20 PM  Plant Parasitic Nematodes Effects on Our Current Cotton Cultivars
Kathy Lawrence, Auburn University, Auburn, AL

4:40 PM  Management of Cotton Root Rot
Thomas Isakeit, Texas A&M University, College Station, TX

5:00 PM  Deciphering Fungicide Seed Treatments: Targets, Options, Efficacy, and Economics
Paul (Trey) Price, Louisiana State University, Winnsboro, LA

CONSULTANTS CONFERENCE BUSINESS MEETING
Salon F (Marriott Rivercenter Hotel) - 5:20 PM-6:00 PM
Cotton Agronomy, Physiology and Soil Conference

Thursday, January 4, 2018

COTTON AGRONOMY, PHYSIOLOGY & SOIL - THURSDAY EARLY MORNING - M.S. STUDENT COMPETITION

Salon J (Marriott Rivercenter Hotel) - 8:00 AM-9:30 AM

8:00 AM  Potassium Uptake and Concentration in Upland Cotton (Gossypium hirsutum) As Affected by Foliar Potassium Source William Howard Smith Wendland, Department of Crop, Soil, and Environmental Sciences, Auburn University, AL and Trey Cutts, Auburn University, Auburn, AL

8:15 AM  Impact of Herbicide Timing, Drill Placement, and High Residue Cover Crop Mixtures on Weed Control in Cotton Anna Johnson¹, Andrew Price² and Trey Cutts³, (1)Auburn University, Auburn, AL, (2)USDA-ARS, National Soil Dynamics Unit, Auburn, AL

8:30 AM  Long-Term Impacts of Conservation Management Practices on Aggregation, Soil Moisture, and Cotton Yield Joseph A Burke, Department of Plant and Soil Science, Texas Tech University, Lubbock, TX, Katie L. Lewis, Texas A&M AgriLife Research and Extension Center, Lubbock, TX, Glen Ritchie, Texas Tech University, Lubbock, TX, Paul DeLaune, Texas A&M AgriLife Research, Vernon, TX and Wayne Keeling, Texas A&M AgriLife Research, Lubbock, TX

8:45 AM  Short Term Impacts of Conservation Practices and Nitrogen Management in Cotton Production on the Southern High Plains Mark McDonald, Texas Tech University, Department of Plant and Soil Science, Lubbock, TX, Paul DeLaune, Texas A&M AgriLife Research, Vernon, TX and Katie L. Lewis, Texas A&M AgriLife Research and Extension Center, Lubbock, TX

9:00 AM  Soil Potassium Effects on Cotton Growth, Yield, and Quality in the Texas High Plains Amee Bumguardner¹, Katie L. Lewis³, Seth A. Byrd³, Gaylon D. Morgan⁴, Dustin Kelley⁵, Glen Ritchie¹ and Robert L. Nichols⁶, (1)Texas Tech University, Lubbock, TX, (2)Texas A&M AgriLife Research and Extension Center, Lubbock, TX, (3)Texas A&M AgriLife Extension, Lubbock, TX, (4)Texas A&M AgriLife Extension Service, College Station, TX, (5)Texas A&M AgriLife Research, Lubbock, TX, (6)Cotton Incorporated, Cary, NC

9:15 AM  The Application of Unmanned Aerial Systems for Monitoring Cotton Growth and Development Miles Mikeska, Nithya Rajan, Dale Cope and Sanaz Shafian, Texas A&M University, College Station, TX

COTTON AGRONOMY, PHYSIOLOGY & SOIL - THURSDAY EARLY MORNING - SESSION A

Salon G (Marriott Rivercenter Hotel) - 8:00 AM-9:30 AM

8:00 AM  Effect of Harvest Conditions and Leaf Hairiness on Fiber Quality Seth A. Byrd, Texas A&M AgriLife Extension, Lubbock, TX, John D. Wanjura, USDA ARS, Lubbock, TX and Gaylon Morgan, Texas A&M AgriLife Extension Service, College Station, TX

8:15 AM  Rapid a-Ci Response (RACiR) As a Method to Detect Drought Effects in Two Gossypium Species with Contrasting Metabolic Stress-Response Strategies Daryl Chastain¹, Bhupinder Singh¹ and John L. Snider², (1)Mississippi State University, Stoneville, MS, (2)University of Georgia, Tifton, GA
8:30 AM  Does the Cotton Cultivars’ Water Use Vary Based on the Stomatal Conductance Response to High Vapor Pressure Deficit Under Rainfed Conditions?
Avat Shekoofa, The University of Tennessee Knoxville, Jackson, TN, John L. Snider, University of Georgia, Tifton, GA and Tyson Raper, University of Tennessee, Jackson, TN

8:45 AM  Processes Contributing to Photosynthetic Cold Acclimation in Cotton Seedlings
John L. Snider¹, Haimiao Wang¹, Mario Scolari¹ and Daryl Chastain², (1)University of Georgia, Tifton, GA, (2)Mississippi State University Delta Research and Extension Center, Stoneville, MS

9:00 AM  Agronomically Mitigating Target Spot in Midsouth Cotton
Darrin M. Dodds¹, Trey Cutts², Dan D. Fromme³, Tyler Sandlin⁴, Tyson Raper⁵ and Heather Kelly⁶, (1)Mississippi State University, Mississippi State, MS, (2) Auburn University, Auburn, AL, (3)LSU AgCenter, Alexandria, LA, (4)Auburn University, Madison, AL, (5)University of Tennessee, Jackson, TN

9:15 AM  Analysis of Genotype X Environment Interactions in Cotton as Influenced by Plant Growth Regulator Applications
Frances B. Browne and Trey Cutts, Auburn University, Auburn, AL

COTTON AGRONOMY, PHYSIOLOGY & SOIL - THURSDAY LATE MORNING - M.S. STUDENT COMPETITION (CONTINUED)

Salon J (Marriott Rivercenter Hotel) - 10:00 AM-11:15 AM

10:00 AM  Comparison of Salvage Treatments in Xtendflex™ Cotton
Wyatt Coffman¹, Tom Barber², Jason K. Norsworthy¹ and Zachary Hill³, (1)University of Arkansas, Fayetteville, AR, (2)University of Arkansas-Extension, Lonoke, AR, (3)University of Arkansas Monticello, Monticello, AR

10:15 AM  Impact of Pre-Bloom Square Loss on Yield and Lint Quality in Louisiana Cotton Cropping Systems
Cory Lee Cole, LSU AgCenter, Kenner, LA, Dan D. Fromme, LSU AgCenter, Alexandria, LA, David Kerns, Texas A&M University, College Station, TX and Gerald Myers, LSU Agricultural Center, Baton Rouge, LA

10:30 AM  Planting Seed Mass Influences Early Season Crop Growth Characteristics
Gurpreet Kaur Virk, John L. Snider, Cristiane Pilon and Mario Scolari, University of Georgia, Tifton, GA

10:45 AM  Effect of Nematode Control Practices on Profitability of Cotton Production
Bradley R. Wilson, Darrin M. Dodds, Michael T. Plumblee, Savana Davis, Lucas Xavier Franca and Chase A. Samples, Mississippi State University, Mississippi State, MS

11:00 AM  Effect of Various Cover Crop Species on Water Infiltration
Savana Davis, Darrin M. Dodds and Bradley R. Wilson, Mississippi State University, Mississippi State, MS

COTTON AGRONOMY, PHYSIOLOGY & SOIL - THURSDAY LATE MORNING - SESSION A

Salon G (Marriott Rivercenter Hotel) - 10:00 AM-11:30 AM

10:00 AM  Analysis of Plant Growth and Yield Using an UAS (Unmanned Aircraft System)-Based Remote Sensing Platform
Juan Landivar¹, Jinha Jung², Murilo Maeda³, Anjin Chang² and Junho Yeom⁴, (1)Texas A&M AgriLife Research, Corpus Christi, TX, (2)Texas A&M University - Corpus Christi, Corpus Christi, TX
10:15 AM Validation of Unmanned Aerial System (UAS) Data for Cotton Research
Murillo Maeda¹, Jinha Jung², Junho Yeom³, Anjin Chang⁴, Andrea Maeda¹, Juan Landivar¹, Steve Hague⁵, C. Wayne Smith¹, Josh McGinty⁴and Juan Enciso², (1)Texas A&M AgriLife Research, Corpus Christi, TX, (2)Texas A&M University - Corpus Christi, Corpus Christi, TX, (3)Texas A&M University, College Station, TX, (4)Texas A&M AgriLife Extension Service, Corpus Christi, TX, (5)Texas A&M AgriLife Research, Weslaco, TX

10:30 AM Eddy Covariance Measurements of Water and Carbon Dioxide Fluxes in Mid-South US Cotton
Bryant N. Fong¹, Michele L. Reba¹, Tina Gray Teague² and Benjamin Runkle³, (1)USDA-ARS, Jonesboro, AR, (2)Arkansas State University/University of Arkansas Experiment Station, State University, AR, (3)University of Arkansas, Fayetteville, AR

10:45 AM Chickpea Chlorotic Dwarf Virus L Strain Isolated from Cotton Induced Downward Leaf Curling Leading to Cupping in N. Benthamiana
Muhammad Shafiq, IAGS PU, Lahore, Pakistan

11:00 AM CRISPR/Cas9-Mediated Targeted Mutagenesis in Upland Cotton (Gossypium hirsutum L.)
Madhusudhana Janga, LeAnne Campbell and Keerti S. Rathore, Texas A&M University, College Station, TX

11:15 AM Pttxd Gene in Combination with Phosphite Serves as a Highly Effective Selection System to Generate Transgenic Cotton (Gossypium hirsutum L.)
Devendra Pandeya, LeAnne Campbell, Eugenia Nunes, Madhusudhana Janga and Keerti S. Rathore, Texas A&M University, College Station, TX

COTTON AGRONOMY, PHYSIOLOGY & SOIL - THURSDAY EARLY AFTERNOON - PHD STUDENT COMPETITION
Salon J (Marriott Rivercenter Hotel) - 1:00 PM-3:15 PM

1:00 PM Modeling Evapotranspiration Using DSSAT and Eddy Covariance Measurements in Texas Cotton
Dorothy Menefee and Nithya Rajan, Texas A&M University, College Station, TX

1:15 PM A Soil Moisture Sensor Approach to Scheduling Cotton Irrigation
Michael T. Plumblee, Darrin M. Dodds, Jason Krutz, Chase A. Samples and Savana Davis, (1)Mississippi State University, Mississippi State, MS, (2)Mississippi State University, Stoneville, MS

1:30 PM Making the Replant Decision: Influence of Planting Date and Population on Cotton Yield
Shawn Butler, Tyson Raper and Michael Buschermohle, (1)University of Tennessee, Jackson, TN, (2)University of Tennessee, Knoxville, TN

1:45 PM Performance of Harvest Aid Programs in Different Cotton Cultivars
Lucas Xavier Franca, Darrin M. Dodds, Chase A. Samples and Sterling Brooks Blanche, (1)Mississippi State University, Mississippi State, MS, (2)Phytogen Cottonseed, Saint Joseph, LA

2:00 PM Recovery of Cotton after Sprayed by Auxin Herbicides
James A. Griffin, TX A&M Cotton Extension, College Station, TX, Gaylon D. Morgan, Texas A&M AgriLife Extension Service, College Station, TX, Glen Ritchie, Texas Tech University, Lubbock, TX and Seth A. Byrd, Texas A&M AgriLife Extension, Lubbock, TX

2:15 PM Three Year Evaluation of Herbicide Injury in Xtendflex™ Cotton
Chase A. Samples, Darrin M. Dodds and Savana Davis, Mississippi State University, Mississippi State, MS
2:30 PM  Commercial Cultivar Response to Varying Rates of Nitrogen in the Mid-South
Jacob P. McNeal¹, Darrin M. Dodds¹, Michael T. Plumblee², Chase A. Samples², Savana Davis² and Bradley R. Wilson,¹ (1)Mississippi State University, Mississippi State, Mississippi, MS, (2)Mississippi State University, Mississippi State, MS

2:45 PM  Potassium Application Timing and Cotton Yield in Texas’ Southern High Plains
Nana Yaw Kusi, Department of Plant and Soil Science, Texas Tech University, Lubbock, TX, Katie L. Lewis, Texas A&M AgriLife Research and Extension Center, Lubbock, TX and Gaylon Morgan, Texas A&M AgriLife Extension Service, College Station, TX

3:00 PM  A Variable-Rate Nutrient Management Technique for Overhead Sprinkler Irrigation Systems
Phillip B. Williams¹, Ahmad Khaliliian¹, Ali Mirzakhani Nafchi¹, Joe Mari J Maja¹, Jonathan Fox², Haibo Liu² and Michael W. Marshall³, (1)Clemson University, Blackville, SC, (2)Clemson University, Clemson, SC, (3)Clemson University - Edisto REC, Blackville, SC

COTTON AGRONOMY, PHYSIOLOGY & SOIL - THURSDAY EARLY AFTERNOON - SESSION A
Salon G (Marriott Rivercenter Hotel) - 1:00 PM-3:15 PM
1:00 PM  Rotations in Cotton Production for the Mississippi Delta 2000-2017
Dr. M. Wayne Ebelhar, Mississippi State University, Stoneville, MS

1:15 PM  Cropping Systems to Enhance Water and Soil Conservation in Semi-Arid Regions of Texas
Katie Lewis¹, Terry A. Wheeler², Wayne Keeling² and Will Keeling³, (1)Department of Plant and Soil Science, Texas Tech University, Lubbock, TX, (2)Texas A&M AgriLife Research, Lubbock, TX, (3)Texas A&M AgriLife Extension, Lubbock, TX

1:30 PM  Effect of Irrigation Timing and Conservation Tillage on Cotton Production
Paul DeLaune¹, Partson Mubvumba¹, Srinivasulu Ale¹ and Emi Kimura², (1)Texas A&M AgriLife Research, Vernon, TX, (2)Texas A&M AgriLife Research and Extension Service, Vernon, TX

1:45 PM  Furrow Irrigation Termination Timing Effects on Southwest Oklahoma Cotton
Randy K. Boman¹, Saleh Taghvaeian² and Jerry R. Goodson¹, (1)Oklahoma State University, Altus, OK, (2)Oklahoma State University, Stillwater, OK

2:00 PM  Water Use Efficiency and Cotton Yield as Affected by Irrigation Termination Dates
Srinivasulu Ale¹, Nina Omani¹, Jim Bordovský², Pradip Adhikari³ and Kelly R. Thorp⁴, (1)Texas A&M AgriLife Research, Vernon, TX, (2)Texas A&M AgriLife, Lubbock, TX, (3)Oklahoma State University, Stillwater, OK, (4)USDA-ARS, Maricopa, AZ

2:15 PM  Cotton Yield and Water Use Response to Variable Irrigation Rate and Timing
Kelly R. Thorp, Kevin F. Bronson and Alison L. Thompson, USDA-ARS, Maricopa, AZ

2:30 PM  Irrigation Scheduling in Cotton Using the MU Crop Water Use App
Matthew D. Rhine and Gene Stevens, University of Missouri, Portageville, MO

2:45 PM  The First Application of Dynamic Variable Rate Irrigation to Cotton in Georgia: A Case Study
George Vellidis¹, Vasilis Liakos¹, Mike Tucker¹ and Casey Cox², (1)University of Georgia, Tifton, GA, (2)Flint River Soil and Water Conservation District, Dawson, GA
3:00 PM  Targeted Deficit Irrigation to Promote Efficient Use of Soil Moisture and High Yield in Cotton  
Curtis B. Adams and Santanu B. Thapa, Texas A&M AgriLife Research, Vernon, TX

COTTON AGRONOMY, PHYSIOLOGY & SOIL - THURSDAY LATE AFTERNOON - SESSION A

Salon G (Marriott Rivercenter Hotel) - 4:00 PM-5:00 PM

4:00 PM  Cotton Root System and Fruit Load Characteristics Impacting Potassium Responses  
Robert B. Hutmacher, University of California, Five Points, CA

4:15 PM  Cotton Response to Potassium Fertilization Rate in Mississippi Delta Region  
Morteza Mozaﬀari, University of Arkansas, Keiser, AR

4:30 PM  Evaluation of Cotton Yield, Quality, and Plant Growth Responses to Soil-Applied Potassium at Single Year Sites  
Katie Lewis, Department of Plant and Soil Science, Texas Tech University, Lubbock, TX, Gaylon Morgan, Texas A&M AgriLife Extension Service, College Station, TX, Randy K. Boman, Oklahoma State University, Altus, OK, Dan D. Fromme, LSU AgCenter, Alexandria, LA, Bill Robertson, University of Arkansas, Newport, AR, Trey Cutts, Auburn University, Auburn, AL, Hunter Frame, Virginia Tech, Suffolk, VA, Keith L. Edmisten, NC State University, Raleigh, NC, Darrin M. Dodds, Mississippi State University, Mississippi State, MS and Robert L. Nichols, Cotton Incorporated, Cary, NC

4:45 PM  Evaluation of Cotton Yield, Quality, and Plant Growth Response to Soil-Applied Potassium II. Multi-Year Sites  
Hunter Frame, Virginia Tech, Suffolk, VA, Bill Robertson, University of Arkansas, Newport, AR, Randy Norton, University of Arizona, Safford, AZ, Gene Stevens, University of Missouri, Portageville, MO, Darrin M. Dodds, Mississippi State University, Mississippi State, MS and Michael A. Jones, Clemson University, Florence, SC

COTTON AGRONOMY, PHYSIOLOGY & SOIL - BUSINESS MEETING

Salon G (Marriott Rivercenter Hotel) - 5:15 PM-7:00 PM

Friday, January 5, 2018

COTTON AGRONOMY, PHYSIOLOGY & SOIL - FRIDAY EARLY MORNING - SESSION B

Salon J (Marriott Rivercenter Hotel) - 8:30 AM-10:45 AM

8:30 AM  Water Quality of Surface Runoff and Lint Yield in Irrigated Cotton Production  
M. Arlene Alviar Adviento-Borbe1, Michele L. Reba1, Bill Robertson2 and Tina Gray Teague3, (1)USDA-ARS, Jonesboro, AR, (2)University of Arkansas, Newport, AR, (3)Arkansas State University/University of Arkansas Experiment Station, State University, AR

8:45 AM  Water Infiltration in a Silt Loam Soil as Influenced by Cereal Rye Cover Crop in Cotton  
Bill Robertson1, Amanda Free1, Mike Daniels2 and Steve Stevens3, (1)University of Arkansas, Newport, AR, (2)University of Arkansas, Little Rock, AR, (3)Producer, Dumas, AR

9:00 AM  Improving Nitrogen Use Efficiency in Subsurface Drip-Irrigated Cotton  
Kevin F. Bronson1, Doug Hunsaker1, Kelly R. Thorp1, Clinton Williams1, Pedro Andrade-Sanchez2, Randy Norton3 and Edward M. Barnes4, (1)USDA-ARS, Maricopa, AZ, (2)University of Arizona, Maricopa, AZ, (3)University of Arizona, Safford, AZ, (4)Cotton Incorporated, Cary, NC
Managing Spatial Variability in N Availability in Cotton Using Sensor Based N Fertilization
Jac Varco, Mississippi State University, Mississippi State, MS and Amelia A. Fox, Plant and Soil Sciences/Miss. State University, Mississippi State, MS

Fluid Nitrogen/Sulfur Formulations to Mitigate Sulfur Deficiencies and Maximize Cotton Yields in the Upper Southeast Coastal Plain
Hunter Frame, Virginia Tech, Suffolk, VA

Field Evaluation of Nitrogen and Zinc Rates in a Cotton/Corn Rotation
Dr. M. Wayne Ebelhar, Mississippi State University, Stoneville, MS

Cotton Response to Pre Plant Incorporated Urea and ESN in Representative Arkansas Delta Soils
Morteza Mozaffari, University of Arkansas, Keiser, AR

Long-Term Effects of Peanut-Cotton-Forage Rotation on Cotton Yield and Soil Organic Matter
Julie A. Howe, Texas A&M University, College Station, TX, Audrey V. Gamble, Auburn University, Auburn, AL and Kris Balkcom, Auburn University, Headland, AL

The Dynamics of Soil Organic Carbon and Microbial Activity in a No-till Cropping System
Bobbie McMichael, Texas Tech University, Lubbock, TX, John Zak, Texas Tech University, Lubbock, TX, Natasja van Gestel, Texas Tech University, Lubbock, TX and Kater Hake, Cotton Incorporated, Cary, NC

COTTON AGRONOMY, PHYSIOLOGY & SOIL - FRIDAY LATE MORNING - AWARDS SESSION
Salon J (Marriott Rivercenter Hotel) - 11:00 AM-11:30 AM

CANCELLED
COTTON DISEASE COUNCIL SYMPOSIUM I - THE NEW NORMAL: EMERGING AND RE-EMERGING DISEASES OF COTTON
Salon K (Marriott Rivercenter Hotel) - 8:00 AM-10:00 AM
8:00 AM The New Normal: Target Spot, Bacterial Blight, and Root-Rotting Fovs
Robert L. Nichols, Cotton Incorporated, Cary, NC

8:20 AM The Target Spot Regional Project: What Have We Learned?
Hillary L. Muhl, Virginia Tech, Suffolk, VA, Nicholas S. Dufault, Univ. of Florida, Gainesville, FL, Michael J. Mulvaney, University of Florida, Alachua, FL, Austin K. Hagan, Auburn University, Auburn, AL, Heather Kelly, University of Tennessee, Jackson, TN, Robert C. Kemermat, University of Georgia, Tifton, GA, Paul Price, Louisiana State University, Winnsboro, LA, Thomas W. Allen, Mississippi State University, Stoneville, MS and Robert L. Nichols, Cotton Incorporated, Cary, NC

8:40 AM Target Spot after 10 Years: Are We Where We Need to Be?
Robert C. Kemermat, University of Georgia, Tifton, GA and Austin K. Hagan, Auburn University, Auburn, AL

9:00 AM Target Spot: Discussion
Travis R. Faske, University of Arkansas Division of Agriculture, Lonoke, AR

9:20 AM Genomics Enabled Investigation of the Emergent Disease: Cotton Bacterial Blight
Rebecca Bart, Danforth Center, St. Louis, MO

9:40 AM Bacterial Blight: Re-Emergence of a Disease of Historical Importance
Tom W. Allen, Mississippi State University, Delta Research and Extension Center, Stoneville, MS

COTTON DISEASE COUNCIL SYMPOSIUM II - THE NEW NORMAL: EMERGING AND RE-EMERGING DISEASES OF COTTON
Salon K (Marriott Rivercenter Hotel) - 10:30 AM-12:00 PM
10:30 AM Bacterial Blight: Discussion
Travis R. Faske, University of Arkansas Division of Agriculture, Lonoke, AR

10:50 AM Genetic Diversity, Pathogenicity, and Nematode Interactions of U.S. Fov
Jinggao Liu1, Alois A. Bell1, Carlos S. Ortiz2, Tanya A. Wagner1, Jose Quintana1, Sandria Prom2, Elaine Chen2, Robert C. Kemermat2, Robert L. Nichols3, Kathy S. Lawrence3, Jim Olvey4, Jason Woodward5, Thomas Isakeit5 and Marin T. Brewer6, (1)USDA-ARS, College Station, TX, (2)Texas A&M University, College Station, TX, (3)Texas A&M University, College Station, TX, (4)Southern Plains Agricultural Research Center, Agricultural Research Service, USDA, College Station, TX, (5)University of Georgia, Tifton, GA, (6) Cotton Incorporated, Cary, NC, (7)Auburn University, Auburn, AL, (8)Q&A Enterprises, Maricopa, AZ, (9)Department of Plant and Soil Science, Texas Tech University, Lubbock, TX, (10)University of Georgia, Athens, GA

11:10 AM Emergence of Highly Virulent Fovs
Jason Woodward, Department of Plant and Soil Science, Texas Tech University, Lubbock, TX

11:30 AM Fov: Discussion
Travis R. Faske, University of Arkansas Division of Agriculture, Lonoke, AR

11:50 AM Closing Remarks
Robert L. Nichols, Cotton Incorporated, Cary, NC

COTTON DISEASE COUNCIL - STUDENT PAPER COMPETITION
Salon K (Marriott Rivercenter Hotel) - 1:30 PM-3:30 PM
COTTON DISEASE COUNCIL - FRIDAY EARLY MORNING
Salon K (Marriott Rivercenter Hotel) - 8:15 AM-10:00 AM

8:15 AM A New Seed Treatment Nematicide in Cotton, Corn and Soybeans Powered by Biost Nematicide 100
David H. Long, Albaugh, LLC, Olive Branch, MS

8:30 AM Beltwide Nematode Research and Education Committee Report on Cotton Cultivars and Nematicides Responses in Nematode Soils, 2017
Travis R. Faske, University of Arkansas Division of Agriculture, Lonoke, AR, Tom W. Allen, Mississippi State University, Delta Research and Extension Center, Stoneville, MS, Gary W. Lawrence, Mississippi State University, Mississippi State, MS, Kathy S. Lawrence, Auburn University, Auburn, AL, Charlie Overstreet, Louisiana State University, Baton Rouge, LA, Terry A. Wheeler, Texas A&M AgriLife Research, Lubbock, TX and Hillary L. Mehl, Virginia Tech, Suffolk, VA

8:45 AM Cotton and Pest Response to Nematicide-Insecticide Combinations Applied at Planting across Different Soil Textures in a Spatially Variable Field - Year II
Tina Gray Teague1, Amanda M. Mann2, Kyle Wilson2 and Travis R. Faske3,
(1) Arkansas State University/University of Arkansas Experiment Station, State University, AR, (2)University of Arkansas Division of Agriculture, State University, AR, (3)University of Arkansas Division of Agriculture, Lonoke, AR

9:00 AM Two Options for Limiting Yield Losses Due to Reniform Nematode: Introgressed Resistance and the Application of Velum Total
Roelof Sikkens1, Gulsah Kaplan2, Kathy S. Lawrence2 and Jenny Koebernick2, (1)Department of Crop, Soil and Environmental Sciences, Auburn University, AL, (2)Auburn University, Auburn, AL

9:15 AM Managing Fusarium Wilt in Georgia: Comparative Efficacy of Three Nematicides

9:30 AM Deep-Sequencing Reveals Differential Expressions of microRNAs in Different Developmental Stages of Meloidogyne Incognita Infection of Cotton Plant
Xiaoping Pan1, East Carolina University, Greenville, NC, Robert L. Nichols, Cotton Incorporated, Cary, NC and Li Qiu, Northwest Agriculture and Forestry University, Yangling, China

9:45 AM Microrna and Target Gene Responses in Cotton (Gossypium hirsutum) Elicited by Root-Knot Nematode (Meloidogyne incognita) Infection
Xiaoping Pan1, Robert L. Nichols2, Chao Li1 and Baohong Zhang1, (1)East Carolina University, Greenville, NC, (2)Cotton Incorporated, Cary, NC

COTTON DISEASE COUNCIL - FRIDAY LATE MORNING
Salon K (Marriott Rivercenter Hotel) - 10:30 AM-11:00 AM

10:30 AM Breeding for Cotton Leaf Curl Disease (CLCuD) Resistance
Albert G. Santos1, Don L. Keim1 and Jodi Scheffler2, (1)Plant Science Consultants, Raleigh, NC, (2)USDA-ARS, Stoneville, MS

10:45 AM Cotton Virus Associates with White Flies or Something Else?
Drew Schrimsher1, Brad Meyer1, Kathy Lawrence1 and Trey Cutts3, (1)Agri-AFC, Slidell, AL, (2)Agri-AFC, Decatur, AL, (3)Auburn University, Auburn, AL
Cotton Economics and Marketing Conference
Thursday, January 4, 2018

COTTON ECONOMIC OUTLOOK SYMPOSIUM
Salon F (Marriott Rivercenter Hotel) - 10:30 AM-12:00 PM

10:30 AM The Cotton Market Outlook, 2018
Jarral T. Neeper, Calcot, Ltd., Bakersfield, CA

11:00 AM The Outlook for Retail Apparel and Textile Markets
Jon Devine, Cotton Incorporated, Cary, NC

11:30 AM The New Farm Bill Potential for Cotton and Other Crops
Joe Outlaw, Texas A&M University, College Station, TX

COTTON ECONOMICS AND MARKETING - THURSDAY EARLY AFTERNOON
Conf. Rooms 17-18 (Marriott Rivercenter Hotel) - 1:30 PM-3:00 PM

1:30 PM Fieldprint Calculator: A Measurement of Environmental and Economic Sustainability Performance of the Agricultural Systems in the Southern High Plains
Taylor Black, Donna McCallister and Phil Johnson, Texas Tech University, Lubbock, TX

1:50 PM A Meta Analysis on the Impact of Irrigation Technology on Cotton Yield and WUE
Donna McCallister¹, Amanda Cano¹, Chuck West¹ and Daran Rudnick², (1) Texas Tech University, Lubbock, TX, (2)University of Nebraska-Lincoln, North Platte, NE

2:10 PM Crop Condition Ratings and Yield
Jon Devine, Cotton Incorporated, Cary, NC

2:30 PM An Evaluation of Production, Costs, and Sustainability on Crop Production in the Southern High Plains of Texas
Taylor Black, Phil Johnson and Donna McCallister, Texas Tech University, Lubbock, TX

COTTON ECONOMICS AND MARKETING - POSTERS
Conf. Rooms 17-18 (Marriott Rivercenter Hotel) - 1:30 PM-6:00 PM

1. Utilizing QuickBooks Financial Software to Improve Producer Record Keeping
DeDe L. Jones, Texas A&M AgriLife Extension, Amarillo, TX and Will Keeling, Texas A&M AgriLife Extension, Lubbock, TX

2. An Alternative Approach in Calculating Louisiana ARC-CO Program Benchmarks for Corn and Soybean
Michael A. Deliberto and Brian Hilbun, LSU AgCenter, Baton Rouge, LA

3. Analysis of the Comparative Advantage of Texas Upland Cotton
Zhongna Yang, Mark Yu and Ashley Lovell, Tarleton State University, Stephenville, TX

4. Impact of Improved Soil Health on Sustainability and Profitability of Cotton
Bill Robertson¹, Amanda Free¹, Mike Daniels², Breana Watkins² and Steve Stevens³, (1)University of Arkansas, Newport, AR, (2)University of Arkansas, Little Rock, AR, (3)Producer, Dumas, AR

5. Profitability Comparisons of Strip-till and Conventional Tillage Practices in the Southern High Plains
Donna McCallister, Texas Tech University, Lubbock, TX, Jeff Pate, Texas A&M AgriLife Extension, Lubbock, TX and Will Keeling, Texas A&M AgriLife Extension, Lubbock, TX
COTTON ECONOMICS AND MARKETING - THURSDAY LATE AFTERNOON
Conf. Rooms 17-18 (Marriott Rivercenter Hotel) - 4:00 PM-5:00 PM
4:00 PM  The Potential Impacts of NAFTA Disintegration on U.S. Cotton
Bing Liu and Darren Hudson, Texas Tech University, Lubbock, TX
4:20 PM  Cotton Production in Xinjiang Province and Its Impact to Cotton Market in China
Zhongna Yang, Mark Yu and Ashley Lovell, Tarleton State University, Stephenville, TX
4:40 PM  Long Run Trends in Cotton Price Levels and Volatility

Friday, January 5, 2018
COTTON ECONOMICS AND MARKETING - FRIDAY EARLY MORNING
Conf. Rooms 17-18 (Marriott Rivercenter Hotel) - 8:00 AM-9:30 AM
8:00 AM  Economic Overview and Sustainability of Arkansas Cotton Research and Sustainability Program
Amanda Free¹, Bill Robertson¹ and Breana Watkins², (1)University of Arkansas, Newport, AR, (2)University of Arkansas, Little Rock, AR
8:20 AM  USDA, AMS Cotton Market News Update
Barbara Meredith, USDA, AMS, Cotton and Tobacco Program, Memphis, TN
8:40 AM  Estimating the Profitability of Growing Irrigated Cotton in Kansas
Gregory Ibendahl and Terry Griffin, Kansas State University, Manhattan, KS
9:00 AM  Base and Generic Base Acres: State Level Implications for the Current and Next Farm Bill
Aaron Smith, Rebecca Bowling and Tina Johnson, University of Tennessee, Knoxville, TN
Cotton Engineering-Systems Conference
Thursday, January 4, 2018

COTTON ENGINEERING-SYSTEMS - THURSDAY EARLY MORNING
Salon D (Marriott Rivercenter Hotel) - 8:00 AM-10:00 AM

8:00 AM  Utilizing an Aerial Platform to Assess Cotton Plant Population
Shawn Butler¹, Michael Buschemohle² and Tyson Raper³, (1)University of Tennessee, Jackson, TN, (2)University of Tennessee, Knoxville, TN

8:15 AM  Comparison of Conventional Tillage and No-Tillage Cotton Crop Treatments Using Multi-Temporal UAV Data
Akash Ashapure¹, Jinha Jung¹, Junho Yeom¹, Anjin Chang¹, Murilo Maeda², Andrea Maeda² and Juan Landivar³, (1)Texas A&M University - Corpus Christi, Corpus Christi, TX, (2)Texas A&M AgriLife Research, Corpus Christi, TX

Kadeghe Goodluck Fue, Wesley M. Porter and Glen C. Rains, University of Georgia, Tifton, GA

8:45 AM  Delineation of Cotton Root Rot Based on UAV Remote Sensing
Tianyi Wang, Texas A&M University, College Station Texas, TX and J. Alex Thomasson, Texas A&M University, College Station, TX

9:00 AM  Evaluating the Effect of Planter Downforce and Vigor on Crop Emergence and Yield in Hill-Drop Versus Singulated Cotton
Simerjeet S. Virk, Wesley M. Porter, Kadeghe Goodluck Fue, John L. Snider and Jared R. Whitaker, University of Georgia, Tifton, GA

Walter Oosthuizen, Sergio C. Capareda and Russell McGee, Texas A&M University, College Station, TX

9:30 AM  Effect of Lint Cleaner Design on Fiber Length Measurements
Brandee L. Haney, USDA, Stoneville, MS, Robert G. Hardin, USDA-ARS Cotton Ginning Research Unit, Stoneville, MS, Christopher D. Delhom, USDA-ARS Southern Regional Research Center, New Orleans, LA and Richard K Byler, USDA-ARS Cotton Ginning, Stoneville, MS

COTTON ENGINEERING-SYSTEMS - THURSDAY LATE MORNING
Salon D (Marriott Rivercenter Hotel) - 10:30 AM-11:30 AM

10:30 AM  The Effects of Planter Parameters on Cotton Emergence, Growth, and Yield Year 2
Wesley M. Porter, Simerjeet S. Virk, Kadeghe Goodluck Fue, John L. Snider and Jared R. Whitaker, University of Georgia, Tifton, GA

10:45 AM  Calibrated Cotton Yield Monitor
Jianing He, Texas A&M University, College Station Texas, TX, J. Alex Thomasson, Texas A&M University, College Station, TX, Ruixiu Sui, USDA-ARS, Stoneville, MS, John D. Wanjura, USDA ARS, Lubbock, TX, Mathew G. Pelletier, USDA-ARS Cotton Production and Processing Research Unit, Lubbock, TX and Edward M. Barnes, Cotton Incorporated, Cary, NC

11:00 AM  Utilizing Sensor Technologies to Evaluate and Improve Cotton Irrigation Management
Saleh Taghvaeeian, Oklahoma State University, Stillwater, OK and Randy K. Boman, Oklahoma State University, Altus, OK
11:15 AM Effect of Irrigation and Nitrogen Application on Cotton Yield and Quality
Ruixiu Sui, USDA-ARS, Stoneville, MS, Richard K. Byler, USDA-ARS Cotton Ginning, Stoneville, MS and Christopher D. Delhom, USDA-ARS Southern Regional Research Center, New Orleans, LA

COTTON ENGINEERING-SYSTEMS - THURSDAY EARLY AFTERNOON
Salon D (Marriott Rivercenter Hotel) - 2:00 PM-3:15 PM

2:00 PM Site-Specific Management of Cotton Root Rot Using Historical Imagery
Chenghai Yang1, Gary N. Odvody2, J. Alex Thomasson3, Thomas Isakeit3 and Robert L. Nichols5, (1)USDA-ARS, College Station, TX, (2)Texas AgriLife Research and Extension Center, Corpus Christi, TX, (3)Texas A&M University, College Station, TX, (4)USDA-ARS Cotton Incorporated, Cary, NC

2:15 PM Aerial Remote Sensing Survey of Fusarium Wilt of Cotton in New Mexico and Texas
Chenghai Yang, USDA-ARS, College Station, TX, Jason Woodward, Department of Plant and Soil Science, Texas Tech University, Lubbock, TX and Robert L. Nichols, Cotton Incorporated, Cary, NC

2:30 PM 3D Open Cotton Boll Detection Using Unmanned Aerial System (UAS) Data
Jinha Jung1, Junho Yeom1, Anjin Chang1, Murilo Maeda2, Juan Landivar2, Steve Hague1 and C. Wayne Smith3, (1)Texas A&M University - Corpus Christi, Corpus Christi, TX, (2)Texas A&M AgriLife Research, Corpus Christi, TX, (3)Texas A&M University, College Station, TX

2:45 PM Traits Estimation of the Endophyte Treatment for Cotton Using Unmanned Aerial System (UAS) Data
Anjin Chang1, Jinha Jung1, Junho Yeom1, Akash Ashapure1, Murilo Maeda2, Juan Landivar2 and Steve Hague1, (1)Texas A&M University - Corpus Christi, Corpus Christi, TX, (2)Texas A&M AgriLife Research, Corpus Christi, TX, (3)Texas A&M University, College Station, TX

3:00 PM Evaluation of Tillage Practices in Cotton Using Multi-Temporal UAS Vegetation Index Data
Junho Yeom1, Jinha Jung1, Anjin Chang1, Murilo Maeda2, Akash Ashapure1, Andrea Maeda2 and Juan Landivar2, (1)Texas A&M University - Corpus Christi, Corpus Christi, TX, (2)Texas A&M AgriLife Research, Corpus Christi, TX, (3)Texas A&M University, College Station, TX

COTTON ENGINEERING-SYSTEMS - THURSDAY LATE AFTERNOON
Salon D (Marriott Rivercenter Hotel) - 4:00 PM-5:00 PM

4:00 PM Cotton Boll Counting with LIDAR
Andrew N. French1, Alison L. Thompson1 and Michael A. Gore2, (1)USDA-ARS, Maricopa, AZ, (2)Cornell University, Ithaca, NY

4:15 PM Proximal Sensing Carts: A Low-Cost Alternative for Field-Based High-Throughput Phenotyping
Alison L. Thompson, Matthew M. Conley, Alex Conrad, Kelly R. Thorp and Andrew N. French, USDA-ARS, Maricopa, AZ

4:30 PM Evaluation of the Intelligent Logger Controller for Cotton Phenotyping
Joe Mari J. Maja, Elaina Stucky and Alex Steedley, Clemson University, Blackville, SC

4:45 PM Estimation of Cotton Population Density in Field Conditions Using Deep Convolutional Neural Networks
Yu Jiang1, Changying Li1 and Andrew Paterson2, (1)College of Engineering, The University of Georgia, Athens, GA, (2)College of Agricultural and Environmental Sciences, The University of Georgia, Athens, GA
Friday, January 5, 2018

COTTON ENGINEERING-SYSTEMS - FRIDAY EARLY MORNING

Salon D (Marriott Rivercenter Hotel) - 9:00 AM-10:00 AM

9:00 AM  Accuracy of Alternate Oven Drying Procedures
Paul A. Funk¹, Carlos B. Armijo², Derek P. Whitelock³, Mathew G. Pelletier³, John D. Wanjura⁴, Greg A. Holt⁴, Robert G. Hardin IV⁵, Christopher D. Delhom⁶ and Kathleen M. Yeater⁷, (1)USDA-ARS, Mesilla Park, NM, (2) USDA-ARS Southwestern Cotton Ginning Research Laboratory, Mesilla Park, NM, (3)USDA-ARS Cotton Production and Processing Research Unit, Lubbock, TX, (4)USDA ARS, Lubbock, TX, (5)USDA-ARS, Stoneville, MS, (6)USDA-ARS Southern Regional Research Center, New Orleans, LA, (7) USDA-ARS, Fort Collins, CO

9:15 AM  Acoustic Sensing of Seed-Cotton Trash Levels
Mathew G. Pelletier¹, Greg A. Holt² and John D. Wanjura², (1)USDA-ARS Cotton Production and Processing Research Unit, Lubbock, TX, (2)USDA ARS, Lubbock, TX

9:30 AM  Pre-Commercialization Studies of the Agrilife Research Fluidized Gasification System Using Cotton Gin Trash
Sergio C. Capareda, Texas A&M University, College Station, TX

9:45 AM  Fiber Quality Preservation in Lint Cleaning: Understanding and Modeling Fiber Friction
Farzad Hosseinali, Texas A&M University, College Station Texas, TX and J. Alex Thomasson, Texas A&M University, College Station, TX
COTTON GINNING - THURSDAY EARLY AFTERNOON

Salon A (Marriott Rivercenter Hotel) - 1:30 PM-3:30 PM

1:30 PM  Quality of 2017 Cotton Crop
Robbie L. Seals, USDA, AMS Cotton and Tobacco Program, Memphis, TN

1:45 PM  Current University and USDA Lab Cotton Contamination Research
Derek P. Whitelock, USDA-ARS Southwestern Cotton Ginning Research Laboratory, Mesilla Park, NM, Mathew G. Pelletier, USDA-ARS Cotton Production and Processing Research Unit, Lubbock, TX, J. Alex Thomasson, Texas A&M University, College Station, TX, Michael D. Buser, Biosystems and Agricultural Engineering, Stillwater, OK, Bugao Xu, University of North Texas, Denton, TX, Christopher D. Delhom, USDA-ARS Southern Regional Research Center, New Orleans, LA and Robert G. Hardin, USDA-ARS Cotton Ginning Research Unit, Stoneville, MS

2:00 PM  Panel - Contamination Issues and Prevention
Vikki B. Martin, Cotton Incorporated, Cary, NC, Christopher D. Delhom, USDA-ARS Southern Regional Research Center, New Orleans, LA and Gregory A. Holt, USDA ARS, Lubbock, TX

2:20 PM  Panel - Contamination Issues and Prevention 2
George Hargrove, Barnhardt Manufacturing Company, Charlotte, NC

2:30 PM  Panel - Contamination Issues and Prevention 3
David Sasso, Buhler Yarns, Jefferson, GA

2:40 PM  Panel - Contamination Issues and Prevention 4
Dahlen Hancock, Cotton Inc., Chairman, Ropesville, TX

2:50 PM  Panel - Contamination Issues and Prevention 5
Darryl Earnest, USDA-AMS, Memphis, TN

3:00 PM  Detecting Plastic Trash in a Cotton Field with a UAV
Robert G. Hardin, USDA-ARS Cotton Ginning Research Unit, Stoneville, MS and Yanbo Huang, USDA-ARS, Stoneville, MS

3:15 PM  The Cost of Ginning Cotton: 2016 Survey Results
Thomas D. Valco, Retired - USDA, ARS, Greenville, MS, W. Harrison Ashley, National Cotton Council, Cordova, TN, Dennis S. Findley, Jr., Southeastern Cotton Ginners Association, Dawsonville, GA, J. Kelley Green, Texas Cotton Ginners Association, Austin, TX, Roger A. Isom, California Cotton Ginners and Growers Association, Fresno, CA and Timothy L. Price, Southern Cotton Ginners Association, Memphis, TN

COTTON GINNING - THURSDAY LATE AFTERNOON

Salon A (Marriott Rivercenter Hotel) - 4:00 PM-5:30 PM

4:00 PM  Update on Cherokee’s Product Line
Michael Greene, Cherokee Fabrication, Salem, AL

4:15 PM  New Product Developments from Lummus
Mark D. Cory1, Joe W. Thomas1, Ross D. Rutherford2 and Russell M. Sutton2, (1)Lummus Corporation, Savannah, GA, (2)Lummus Corporation, Lubbock, TX

4:30 PM  Signode Ginfast Update
David Duke, Signode, Highpoint, NC

4:45 PM  Weighing Round Modules
Bill Lipsy, Lipsy GinTech, Inc., Indiana, MS

5:00 PM  John Deere Precision Cotton Harvesting Technology
Christopher Murray, John Deere Des Moines Works, Ankeny, IA and David Hale, John Deere, Ankeny, IA
COTTON GINNING - FRIDAY EARLY MORNING

Salon A (Marriott Rivercenter Hotel) - 8:15 AM-10:15 AM

8:15 AM  A Study of Cotton Color Drift from Cotton Bales Stored for Making the USDA Upland Grade Standards
James L. Knowlton, USDA, AMS, Cotton & Tobacco Program, Memphis, TN

8:30 AM  Field Evaluation of Lummus Gin Machinery: 2017
Ross D. Rutherford1, Mark D. Cory2, Joe W. Thomas2 and Russell M. Sutton1,
(1)Lummus Corporation, Lubbock, TX, (2)Lummus Corporation, Savannah, GA

8:45 AM  Implications of Ultra-Low Gossypol Cottonseed
Greg A. Holt, USDA ARS, Lubbock, TX

9:00 AM  New Tools for Managing Cotton Modules
John D. Wanjura1, Edward M. Barnes2, Greg A. Holt1 and Mathew G. Pelletier3,
(1)USDA ARS, Lubbock, TX, (2)Cotton Incorporated, Cary, NC, (3) USDA-ARS Cotton Production and Processing Research Unit, Lubbock, TX

9:15 AM  Bio-Generation™ - a Solution to Gin Waste Disposal
Joe W. Thomas1, Mark D. Cory1, Ross D. Rutherford2 and Russell M. Sutton2,
(1)Lummus Corporation, Savannah, GA, (2)Lummus Corporation, Lubbock, TX

9:30 AM  Effect of Gin Process Parameters on Drying Efficiency
Robert G. Hardin, USDA-ARS Cotton Ginning Research Unit, Stoneville, MS, Paul A. Funk, USDA-ARS, Mesilla Park, NM and Mathew G. Pelletier,
USDA-ARS Cotton Production and Processing Research Unit, Lubbock, TX

9:45 AM  Fuel Use Patterns in Cotton Gins
Paul A. Funk, USDA-ARS, Mesilla Park, NM and Robert G. Hardin, USDA-ARS,
Stoneville, MS

10:00 AM Student Paper Competition Awards
Robert G. Hardin, USDA-ARS Cotton Ginning Research Unit, Stoneville, MS
COTTON IMPROVEMENT & COTTON DISEASE COUNCIL JOINT SESSION: EMERGING DISEASES SYMPOSIUM

Salon I (Marriott Rivercenter Hotel) - 12:30 PM-3:15 PM

Officials: B. Todd Campbell
Hillary L. Mehl

Presidings: B. Todd Campbell
Hillary L. Mehl

12:30 PM Welcoming Remarks

12:35 PM Re-Surging Seed-Borne Diseases: The Old Bacterial Blight and the New Fusarium Wilts
Robert L. Nichols, Cotton Incorporated, Cary, NC

12:40 PM Bacterial Blight Agronomy/Pathology
Terry A. Wheeler, Texas A&M AgriLife Research, Lubbock, TX

1:10 PM Breeding for Resistance to Bacterial Blight
Fred M. Bourland, University of Arkansas-NEREC, Keiser, AR

1:40 PM Discussion

1:55 PM Fusarium Wilt Race 4: The California Experience
Robert B. Hutmacher, University of California, Five Points, CA and Mauricio Ulloa, USDA-ARS, Lubbock, TX

2:25 PM Breeding for Resistance to Fusarium Race 4
Jim Olvey, O&A Enterprises, Maricopa, AZ

2:55 PM Discussion 2

Thursday, January 4, 2018

COTTON IMPROVEMENT ORAL SESSION I - GENERAL

Salon I (Marriott Rivercenter Hotel) - 8:35 AM-9:20 AM

Officials: B. Todd Campbell
Ramesh Buyyarapu

Presiding: Ramesh Buyyarapu

8:35 AM Host Plant Resistance Traits of PhytoGen Varieties
Mustafa McPherson, PhytoGen Seed Company, Leland, MS, Joel Mahill, PhytoGen Seed Company, Corcoran, CA, Dru Rush, PhytoGen Seed Company, Brewton, AL and Ramesh Buyyarapu, Dow AgroSciences, Indianapolis, IN
8:50 AM Use of Molecular Markers to Identify Potential New Sources of Root-Knot Nematode Resistance in Upland Cotton
Martin J. Wubben, Jack C. McCarty, Franklin E. Callahan, Dewayne D. Deng and Johnie N. Jenkins, USDA-ARS, Mississippi State, MS

9:05 AM Differential Responses to Various Stress Conditions in Upland Cotton Near Isogenic Lines Differing in Fiber Maturity
Hee Jin Kim, USDA-ARS, Southern Regional Research Center, New Orleans, LA, Harish Ratnayaka, Xavier University of Louisiana, New Orleans, LA and Jay E. Mellon, USDA-ARS, SRRC, New Orleans, LA

EMERGING VARIETIES
Salon I (Marriott Rivercenter Hotel) - 9:20 AM-9:50 AM
Officials: B. Todd Campbell
Ramesh Buyyarapu
Presiding: B. Todd Campbell

9:20 AM Upcoming Nexgen Varieties
Douglas J. Jost, Americot, Garden City, TX, Thomas Brooks, Americot, Inc., Lubbock, TX and Lloyd McCall, Americot, Collierville, TN

9:30 AM 2018 Fibermax and Stoneville Varieties
Tim Culpepper, Bayer CropScience, Lubbock, TX and Lucas Owen, Bayer CropScience, Milan, TN

9:40 AM Deltapine Class of 18 Varieties
David W. Albers, Monsanto, St. Louis, MO and Keylon Gholston, Monsanto, Baldwyn, MS

COTTON IMPROVEMENT - LIGHTNING TALK STUDENT COMPETITION
Salon I (Marriott Rivercenter Hotel) - 10:30 AM-12:00 PM
Officials: B. Todd Campbell
Ramesh Buyyarapu
Presiding: B. Todd Campbell

10:30 AM Introductory Remarks

10:35 AM Cotton Plants Co-Overexpressing AVP1 and OsSIZ1 Show Improved Phenotype and Increased Yield Under Multiple-Stress Conditions
Nardana Esmaeili1, Yifan Cai1, Paxton Payton2 and Hong Zhang1, (1)Texas Tech University, Lubbock, TX, (2)United States Department of Agriculture, Lubbock, TX

10:40 AM Proof of Concept: Gene Based Breeding Vs Field Based Breeding
Drutdaman Bhangu, Texas A&M, College Station, TX

10:45 AM Impact of Breeding Methods on Fiber Length Distribution Improvement
Zach Hinds, Brendan Kelly and Eric F. Hequet, Texas Tech University, Lubbock, TX

10:50 AM Evaluation of Mechanical Cotton Seed Delinter for Breeders
Joel Arce1, Jane Dever2, Terry Wheeler2, Greg A. Holt2 and Steve Hague1, (1)Texas A&M University, College Station, TX, (2)Texas A&M AgriLife Research, Lubbock, TX, (3)USDA ARS, Lubbock, TX

10:55 AM Exploring the Roles of the Cets Gene Family in Cotton (Gossypium hirsutum) Development
Kody A. Hughes, Emmanuel A. Ortiz, Roisin C. McGarry and Brian G. Ayre, University of North Texas, Denton, TX

11:00 AM A Comparison of Two Boll Sampling Strategies for Fiber Quality Improvement in a Pedigree Scheme
Joao Paulo Saraiva Morais1, Brendan Kelly2 and Eric F. Hequet2, (1)Brazilian Agricultural Research Corporation, Campina Grande, Brazil, (2)Texas Tech University, Lubbock, TX
11:05 AM Genomic Prediction of U.S. Obsolete Cultivar Collection for Fiber Quality Traits
Mitchell J. Schumann1, C. Wayne Smith2, Lori Hinze3, David M. Stelly4, Eric F. Hequet5, Zach Hinds5 and Don Jones6, (1)Texas A&M, College Station, TX, (2) Texas A&M University, College Station, TX, (3)USDA-ARS, College Station, TX, (4)Texas A&M AgriLife Research, College Station, TX, (5)Texas Tech University, Lubbock, TX, (6)Cotton Incorporated, Cary, NC

11:10 Development
Emmanuel A. Ortiz, Kody A. Hughes, Roisin C. McGarry and Brian G. Ayre, University of North Texas, Denton, TX

11:15 AM Enhancing U.S. Cotton Classing with Varietal Data
Jacob W. James, Eric F. Hequet and Brendan Kelly, Texas Tech University, Lubbock, TX

11:20 AM Yarn Seed Coat Fragments Identification
Arifa Sultan, Brendan Kelly and Eric F. Hequet, Texas Tech University, Lubbock, TX

11:25 AM Developing a High-Throughput Phenotypic Screening Protocol for Target Spot (Corynespora cassiicola)
Carly R. Moore, Jenny Koebner, Kathy S. Lawrence and Austin K. Hagan, Auburn University, Auburn, AL

11:30 AM Targeted Fiber Length Distribution for Improvement of Yarn Quality
Zach Hinds, Brendan Kelly and Eric F. Hequet, Texas Tech University, Lubbock, TX

11:35 AM A New Approach to Characterize the Total Within Sample Variation in Fiber Length: Utilization of the Whole Fibrogram
Md Abu Sayeed, Brendan Kelly and Eric F. Hequet, Texas Tech University, Lubbock, TX

11:40 AM Question and Answer

COTTON IMPROVEMENT - THURSDAY AFTERNOON PLENARY LECTURE
Salon I (Marriott Rivercenter Hotel) - 1:30 PM-2:05 PM
Officials: B. Todd Campbell
Ramesh Buyyarapu
Presiding: Ramesh Buyyarapu

1:30 PM Introductory Remarks

1:35 PM The Upland Cotton Genome Sequence: Implications for Cotton Improvement
Jeffrey Z. Chen, The University of Texas at Austin, Austin, TX

COTTON IMPROVEMENT ORAL SESSION II - LIGHTNING TALKS
Salon I (Marriott Rivercenter Hotel) - 2:05 PM-3:30 PM
Officials: B. Todd Campbell
Ramesh Buyyarapu
Presiding: B. Todd Campbell

2:05 PM Introductory Remarks

2:10 PM Using Cottongen for Crop Improvement
Dorrie Main1, Jing Yu2, Sook Jung1, Chun-Huai Cheng1, Taein Lee1, Jodi Humann1, Ping Zheng1, Deah McGaughey1, Morgan Frank1, Kristen Scott1, Heidi Hough1, B. Todd Campbell2, Amita Mohan1, Josh Udall1, Richard Percy3 and Don Jones4, (1)Washington State University, Pullman, WA, (2)USDA-ARS, Florence, SC, (3)USDA-ARS, College Station, TX, (4)Cotton Incorporated, Cary, NC
Comparative Assessment of Genetic Diversity in Cytoplasmic and Nuclear Genome in Gossypium hirsutum and G. barbadense Cotton Lines with Diverse Fiber Properties
Sukumar Saha, USDA-ARS, Mississippi State, MS

Engineering Cotton for Increased Drought/Salt Tolerance and Improved Fertilizer Use Efficiency
Maheshika Menike, Li Sun, Nardaana Esmæiei, Jennifer Smith and Hong Zhang*, Texas Tech University, Lubbock, TX

Correlation and Path Analysis of High-Throughput Phenotyping Traits, Lint Yield and Yield Components in an Exotic Cotton Population
Kari L. Hugie1, Philip J. Bauer1, Kenneth C. Stone1, Adam Landon2 and B. Todd Campbell1, (1)USDA-ARS, Florence, SC, (2)Illinois Natural History Survey, University of Illinois, Champaign, IL

Development of a PCR-Based Genome-Wide Interspecific SNP Library to Advance Introgressed Lines
Robert Vaughn, Texas A&M AgriLife Research, College Station, TX

Yield and Economic Evaluation of Cotton Varieties from Large-Block on-Farm Tests in Northeast Arkansas
Allison Howell1, Bill Robertson1, David Cable1 and Alan Beach2, (1)University of Arkansas, Piggott, AR, (2)University of Arkansas, Newport, AR

Evaluation of Cotton in Large-Plot on-Farm Variety Testing in Arkansas
Bill Robertson1, Alan Beach1 and Robert L. Nichols2, (1)University of Arkansas, Newport, AR, (2)Cotton Incorporated, Cary, NC

Diversity Among Gossypium hirsutum Accessions from Africa
Fatimata Bintou Hassedine Diouf1, James Frelichowski2 and Lori Hinze2, (1)Senegalese Institute of Agricultural Research, Dakar, Senegal, (2)USDA-ARS, College Station, TX

A Genome-Wide Association Study of Tolerance to Biotic and Abiotic Stresses in a MAGIC Population
Abdelraheem Abdelraheem1, Johnie N. Jenkins2, Jack C McCarty2, David D. Fang1 and Jingfa Zhang2, (1)New Mexico State University, Las Cruces, NM, (2)USDA-ARS, Mississippi State, MS, (3)Cotton Fiber Bioscience Research Unit, USDA-ARS-SRRC, New Orleans, LA

Progress in Breeding for Glandless Cotton in New Mexico
Jinfa Zhang1, John Idowu1, Robert Flynn3 and Tom Wedegaertner3, (1)New Mexico State University, Las Cruces, NM, (2)New Mexico State University, Artesia, NM, (3)Cotton Incorporated, Cary, NC

Cotton Fiber Quality Improvement by Introducing Sucrose Synthase (SuS) Gene into Gossypium hirsutum L.
Ahmad Ali Shahid and Mukhtar Ahmed, Centre of Excellence in Molecular Biology, University of the Punjab, Lahore, PR, Pakistan

Pyramiding of New QTL LOCI into a Single Genotype in Cotton
Mukhtor Muxammadovich Darmanov, Center of Genomics and Bioinformatics, Tashkent, Uzbekistan

Development of Cotton NAM Population for Fine Genetic Mapping
Ozod Sunnatalevich Turaev, Center of Genomics and Bioinformatics, Tashkent, Uzbekistan

Cotton Fiber Quality Improvement by Introducing Sucrose Synthase (SuS) Gene into Gossypium hirsutum L.
Ahmad Ali Shahid and Mukhtar Ahmed, Centre of Excellence in Molecular Biology, University of the Punjab, Lahore, PR, Pakistan

Pyramiding of New QTL LOCI into a Single Genotype in Cotton
Mukhtor Muxammadovich Darmanov, Center of Genomics and Bioinformatics, Tashkent, Uzbekistan

Development of Cotton NAM Population for Fine Genetic Mapping
Ozod Sunnatalevich Turaev, Center of Genomics and Bioinformatics, Tashkent, Uzbekistan

Question and Answer

Friday, January 5, 2018

COTTON IMPROVEMENT - FRIDAY MORNING PLENARY LECTURE

Salon I (Marriott Rivercenter Hotel) - 7:55 AM-8:30 AM

Officials: Ramesh Buyyarapu
B. Todd Campbell

Presiding: B. Todd Campbell
7:55 AM  Introductory Remarks

8:00 AM  Predictive Analytics in Cotton Breeding
Roy Cantrel, Wheeleterx Consulting LLC, Las Cruces, NM

COTTON IMPROVEMENT ORAL SESSION III - GENERAL
Salon I (Marriott Rivercenter Hotel) - 8:30 AM-10:00 AM
Officials: B. Todd Campbell, Ramesh Buyyarapu

Presiding: Ramesh Buyyarapu

8:30 AM  The P450 Gene CYP749A16 Is Required for Tolerance to the Sulfonylurea Herbicide Envoke in Cotton
David D. Fang¹, Gregory N. Thyssen², Marina Naoumkina¹, Jack C. McCarty³, Johnie N. Jenkins³, Christopher Florane¹ and Ping Li¹, (1)Cotton Fiber Bioscience Research Unit, USDA-ARS-SRRC, New Orleans, LA, (2)Cotton Chemistry and Utilization Research Unit, USDA-ARS-SRRC, New Orleans, LA, (3)USDA-ARS, Mississippi State, MS

8:45 AM  Processing a Nursery: Evaluating the Utilization Potential of Early Generation Material
Carol Mason Kelly¹, Jane Dever¹ and Brendan Kelly², (1)Texas A&M AgriLife Research, Lubbock, TX, (2)Texas Tech University, Lubbock, TX

9:00 AM  Adding Value to the Vitamin E Profile of Cottonseed through the Seed-Specific Production of Tocotrienols
Kent D. Chapman, University of North Texas, Denton, TX

9:15 AM  Evaluating the Impact of Within-Plant Variability of Fiber Length Distribution on Yarn Quality of Upland Cotton Cultivars
Addissu G. Ayele, Brendan Kelly and Eric F. Hequet, Texas Tech University, Lubbock, TX

9:30 AM  Reduce Testing Locations in Regional High Quality Tests: How Many Locations Can be Removed from Future Tests for Seed Quality Traits?
Linghe Zeng, USDA-ARS, Stoneville, MS, Fred M. Bourland, University of Arkansas-NEREC, Keiser, AR, Mustafa McPherson, PhytoGen Seed Company, Leland, MS and William C. Bridges, Clemson University, Clemson, SC

9:45 AM  Fighting Fusarium Wilt through Breeding in Cotton: A Successful Story in China
Jinfa Zhang, New Mexico State University, Las Cruces, NM

COTTON GENETICS AWARD LECTURE
Salon I (Marriott Rivercenter Hotel) - 10:30 AM-11:05 AM
Officials: B. Todd Campbell, Ramesh Buyyarapu

Presiding: B. Todd Campbell

10:30 AM  Introductory Remarks

10:35 AM  Cotton Genetics Award Lecture - Interspecific Introgression for Cotton Improvement
Peng Chee, University of Georgia, Tifton, GA

COTTON IMPROVEMENT - AWARDS AND BUSINESS MEETING
Salon I (Marriott Rivercenter Hotel) - 11:05 AM-12:00 PM
Officials: Ramesh Buyyarapu, B. Todd Campbell

Presiding: B. Todd Campbell

11:05 AM  Introductory Remarks

11:10 AM  Graduate Student Awards

11:20 AM  2018 Cotton Genetics Award

11:30 AM  Business Meeting
Cotton Insect Research and Control Conference

Thursday, January 4, 2018

COTTON INSECT RESEARCH & CONTROL ROUNDTABLE
Salon H (Marriott Rivercenter Hotel) - 11:00 AM-12:00 PM

COTTON INSECT RESEARCH & CONTROL - THURSDAY EARLY AFTERNOON - MS STUDENT PAPER COMPETITION
Salon L (Marriott Rivercenter Hotel) - 1:30 PM-3:15 PM

1:30 PM  Cross-Resistance to Bt Corn and Cotton in a Vip3A Resistant Strain of Fall Armyworm, Spodoptera Frugiperda
Tyler Gilreath, Fei Yang and David Kerns, Texas A&M University, College Station, TX

1:45 PM  Management of Redbanded Stink Bug in Soybean
Mary K. Huff, Don Cook2, Jeff Gore3 and Angus Catchot4, (1)MSU-DREC, Stoneville, MS, (2)Mississippi State University, Stoneville, MS, (3)Mississippi State University, Mississippi State, MS, (4)Mississippi State University, Stoneville, MS

2:00 PM  A Transgenic Approach to Controlling Tarnished Plant Bug (Lygus lineolaris) in Mid-South Cotton
John C. Corbin, Angus Catchot, Jeff Gore, Don Cook and Darrin M. Dodds, (1)Mississippi State University, Starkville, MS, (2)Mississippi State University, Mississippi State, MS, (3)Mississippi State University, Stoneville, MS

2:15 PM  Landscape Level Contributions of Corn for Corn Earworm (Helicoverpa zea) Populations
Tyler B. Towles, Angus Catchot, Jeff Gore, Don Cook and Mike Caprio, (1)Mississippi State University, Starkville, MS, (2)Mississippi State University, Mississippi State, MS, (3)Mississippi State University, Stoneville, MS

2:30 PM  Impact of Rice Water Weevil (Lissorhoptrus oryzophilus, Kuschel) in Water Conservation Rice Production Systems
Read Kelly, Jeff Gore, Don Cook, Angus Catchot, Bobby G. Golden and Jason Krutz, (1)Mississippi State University, Leland, MS, (2)Mississippi State University, Stoneville, MS, (3)Mississippi State University, Mississippi State, MS, (4)Mississippi State University, Delta Research and Extension Center, Stoneville, MS

2:45 PM  The Impact of Thrips and Tarnished Plant Bug Injury on Cotton Maturity and Yield
Joel Moor, Jeff Gore, Angus Catchot, Don Cook and Darrin M. Dodds, (1) Mississippi State University, Stoneville, MS, (2)Mississippi State University, Mississippi State, MS

3:00 PM  Determining the Efficacy of Helicoverpa Armiger NAucleopolyhervirus (HearNPV) in Arkansas Soybeans

COTTON INSECT RESEARCH & CONTROL - THURSDAY EARLY AFTERNOON - PHD STUDENT PAPER COMPETITION
Salon H (Marriott Rivercenter Hotel) - 1:30 PM-3:15 PM

1:30 PM  Fungal Seed Treatment Enhances Defensive Volatile Response to Herbivory in Cotton
Cody Gale, Jose L. Perez, Charles P.-C. Suh and Gregory A. Sword, (1) Texas A&M University, College Station, TX, (2)USDA-ARS, College Station, TX

1:45 PM  Distribution of Tarnished Plant Bug (Lygus lineolaris) Infestations and the Effects of Spray Timing in Mid-Atlantic Cotton
Seth Dorman, Sally Taylor and Sean Malone, Virginia Tech, Suffolk, VA
2:00 PM  Caterpillar Pests in Mississippi Peanut
Brittany E. Lipsy1, Jeff Gore2, Angus Catchot1, Jason Sarver1, Don Cook2 and Jason A. Bond3, (1)Mississippi State University, Mississippi State, MS, (2)Mississippi State University, Stoneville, MS, (3)Mississippi State, Stoneville, MS

2:15 PM  Winter Cover Crop-Soybean Systems: An Entomological Perspective
Adam Whalen1, Angus Catchot1, Jeff Gore2, Don Cook2 and Trent Irby3, (1)Mississippi State University, Mississippi State, MS, (2)Mississippi State University, Stoneville, MS

2:30 PM  Understanding the Importance of Improved Sampling Recommendations for Rice Stink Bug, Oebalus Pugnax, in Arkansas Rice

2:45 PM  The Compounding Stresses of Tobacco Thrips, Franklinella Fusca, and Reniform Nematodes, Rotylenchulus reniformis, on Cotton
Whitney Crow1, Angus Catchot1, Jeff Gore2, Darrin M. Dodds1, Don Cook2 and Thomas Allen3, (1)Mississippi State University, Mississippi State, MS, (2)Mississippi State University, Stoneville, MS

3:00 PM  Bollworm Behavior in Bt and Non-Bt Cotton
Lewis Braswell1, Dominic Reisig2, Clyde Sorenson1 and Guy D. Collins3, (1)North Carolina State University, Raleigh, NC, (2)NC State University, Plymouth, NC, (3)North Carolina State University, Rocky Mount, NC

COTTON INSECT RESEARCH & CONTROL - THURSDAY LATE AFTERNOON - MS STUDENT PAPER COMPETITION (CONTINUED)
Salon L (Marriott Rivercenter Hotel) - 4:00 PM-5:30 PM

4:00 PM  Influence of Cultural Practices on Soybean Nectar Production
Ty Smith1, Angus Catchot1, Jeff Gore2, Jeff Harris1, Natraj Krishnan1 and Don Cook2, (1)Mississippi State University, Mississippi State, MS, (2)Mississippi State University, Stoneville, MS

4:15 PM  Impacts of diamond (novaluron) on adult tarnished plant bugs
Beverly D. Catchot1, Fred Musser1, Angus Catchot1, Jeff Gore2, Scott D. Stewart3, Sebe Brown4 and Gus Lorenz5, (1)Mississippi State University, Mississippi State, MS, (2)Mississippi State University, Stoneville, MS, (3)The University of Tennessee, Jackson, TN, (4)LSU AgCenter, Winnboro, LA, (5)The University of Arkansas, Lonoke, AR

4:30 PM  Endophytic Fungi Can Affect Herbivorous Pest Resistance and Tolerance in Sorghum bicolor
Leah Buchman, Texas A&M University, Department of Entomology, College Station, TX, Gregory A. Sword, Texas A&M University, College Station, TX and Julio Bernal, Texas A&M University, Dept of Entomology, College Station, TX

4:45 PM  Integrated Approaches to Managing Aphids and Barley Yellow Dwarf in Tennessee Wheat
Clay Perkins1, Scott D. Stewart1, Heather Kelly2 and Angus Catchot3, (1)The University of Tennessee, Jackson, TN, (2)University of Tennessee, Jackson, TN, (3)Mississippi State University, Mississippi State, MS

5:00 PM  The Impact of Defoliation on Selected Growth Stages of Rice
Layton McCullars1, Gus Lorenz2, Jarrod Hardke3, Nick R. Bateman2, Aaron Cato1, Tara Clayton1, Nichole Taillon4, Andrew Plummer5, Kevin McPherson6 and Joseph Black7, (1)University of Arkansas, Fayetteville, AR, (2)The University of Arkansas, Lonoke, AR, (3)University of Arkansas-RREC, Stuttgart, AR, (4)University of Arkansas CES, Lonoke, AR, (5)University of Arkansas, Lonoke, AR
5:15 PM  Effects of Planting Date and Variety on Thrips Populations and Injury to Cotton in the Southeastern United States
Cody Kerns1, Jeremy K. Greene1, Francis Reay-Jones2, Phillip M. Roberts3, Alana L. Jacobson4, Dominic Reisig5, Ames Herbert6 and Sally Taylor4, (1)Clemson University, Blackville, SC, (2)Clemson University, Florence, SC, (3)University of Georgia, Tifton, GA, (4)Auburn University, Auburn, AL, (5)NC State University, Plymouth, NC, (6)Virginia Tech, Suffolk, VA

COTTON INSECT RESEARCH & CONTROL - THURSDAY LATE AFTERNOON - PHD STUDENT PAPER COMPETITION (CONTINUED)

Salon H (Marriott Rivercenter Hotel) - 4:00 PM-5:30 PM

4:00 PM  Early Management Decisions on Maximizing Soybean Yield
John H. North1, Angus Catchot1, Jeff Gore2, Don Cook2, Trent Irby1 and John Orłowski2, (1)Mississippi State University, Mississippi State, MS, (2)Mississippi State University, Stoneville, MS

4:15 PM  Tarnished Plant Bug Injury and Behavior Responses to a New Bt Trait in Cotton
Scott Hester Graham and Scott D. Stewart, The University of Tennessee, Jackson, TN

4:30 PM  Protein-Carbohydrate-Gossypol Regulation in Helicoverpa armigera and Its Consequences for Susceptibility to Bt Proteins
Ashley Tessnow1, Spencer Behmer1, Tom Walsh2 and Gregory A. Sword1, (1)Texas A&M University, College Station, TX, (2)CSIRO, Acton, Canberra, Australia

4:45 PM  Pathogenicity and Transmission of Cotton Seed & Boll Rotting Bacteria Vectored by the Verde Plant Bug
James Glover1, Michael J. Brewer1, Thomas Isakete2 and Enrique Gino Medrano3, (1)Texas A&M AgriLife Research, Department of Entomology, Corpus Christi, TX, (2)Texas A&M University, College Station, TX, (3)USDA-ARS, College Station, TX

5:00 PM  Evaluation of Two Reduced-Risk Foliar Insecticides in Managing Neonicotinoid-Resistant Tobacco Thrips in Cotton
Damon A. D’Ambrosio, Anders S. Huset and George G. Kennedy, North Carolina State University, Raleigh, NC

5:15 PM  Boll Weevil (Anthonomus grandis Boheman) Population Genomics as a Tool for Area-Wide Management
Tyler Jay Raszick1, Charles P.-C. Suh1, Raul Ruiz-Arce3 and Gregory A. Sword1, (1)Texas A&M University, College Station, TX, (2)USDA-ARS, College Station, TX, (3)USDA-APHIS, Edinburg, TX

COTTON INSECT RESEARCH & CONTROL BUSINESS MEETING AND MIXER
Salon H (Marriott Rivercenter Hotel) - 5:30 PM-7:00 PM

Friday, January 5, 2018

COTTON INSECT RESEARCH & CONTROL - FRIDAY EARLY MORNING - SESSION B

Salon L (Marriott Rivercenter Hotel) - 8:00 AM-10:30 AM

8:00 AM  Revisiting Potential Use of Pheromone Traps to Help Predict Issues with Bollworm in the Field
Jeremy K. Greene, Clemson University, Blackville, SC and Francis Reay-Jones, Clemson University, Florence, SC

8:15 AM  Electronic Bollworm Pheromone Traps: Do They “Hartstack” up?
Fred Musser, Mississippi State University, Mississippi State, MS, Jeremy K. Greene, Clemson University, Blackville, SC, Dominic Reisig, NC State University, Plymouth, NC and Mike Toews, University of Georgia, Tifton, GA
8:30 AM  Damage by Cotton Fleahopper (Hemiptera: Miridae) on Select Glabrous, Hirsute, and Pilose Cotton Varieties
Robert Bowling1, Michael J. Brewer2, David Kerns3, Darwin Anderson2, Stephen Biles2 and Blayne Reed4, (1)Texas A&M AgriLife Extension, Department of Entomology, Corpus Christi, TX, (2)Texas A&M AgriLife Research, Department of Entomology, Corpus Christi, TX, (3)Texas A&M University, College Station, TX, (4)Texas A&M AgriLife, Port Lavaca, TX, (5)Texas A&M AgriLife Extension, Plainview, TX

8:45 AM  Transform Performance in California and Arizona Cotton: 2017 Experiences
Jesse Richardson1, Peter Ellsworth2, Treauna Pierce2 and Melissa Willrich Siebert1, (1)Dow AgroSciences, Indianapolis, IN, (2)University of Arizona, Maricopa, AZ, (3)UC Cooperative Extension, Shafter, CA

9:00 AM  Population Genomics and Patterns of Host Use in the Cotton Fleahopper, Pseudatomoscelis seriatus (Reuter, 1876) (Hemiptera: Miridae)
Tyler Jay Raszick1, Charles P.-C. Suh2 and Gregory A. Sword1, (1)Texas A&M University, College Station, TX, (2)USDA-ARS, College Station, TX

9:15 AM  Staying or Breaking the Course of the Threshold Concept to Manage Cotton Fleahopper
Michael J. Brewer1, Robert Bowling2, Isaac L. Esquivel1 and James Glover1, (1)Texas A&M AgriLife Research, Department of Entomology, Corpus Christi, TX, (2)Texas A&M AgriLife Extension, Department of Entomology, Corpus Christi, TX

9:30 AM  Effect of Carbon Nanotubes on Feeding Behavior of Lygus hesperus (Hemiptera: Miridae) in Cotton: An Electropenetrographic Evaluation
Abdul Hakeem1, Juliette Jordan2, Megha N. Parajulee3, Elaine Backus4 and Felix A. Cervantes4, (1)Texas A&M AgriLife Research, Lubbock, TX, (2)Texas Tech University, Lubbock, TX, (3)Texas A&M AgriLife Research and Extension Center, Lubbock, TX, (4)USDA Agricultural Research Service, Parlier, CA

9:45 AM  Impact of Lygus Bugs and Cotton Fleahoppers on Cotton Yield Under Drought Conditions
Megha N. Parajulee, Texas A&M AgriLife Research and Extension Center, Lubbock, TX, Abdul Hakeem, Texas A&M AgriLife Research, Lubbock, TX and Katie Lewis, Department of Plant and Soil Science, Texas Tech University, Lubbock, TX

10:00 AM  Boll Rot Associated with Redbanded Stink Bug, Piezodorus guildinii, Field Infestation
Enrique Gino Medrano, USDA-ARS, College Station, TX and Gaylon Morgan, Texas A&M AgriLife Extension Service, College Station, TX

10:15 AM  Arizona Pink Bollworm Eradication Program 2017 Update
Leighton R. Liesner, Donna Fairchild and Joaana Solis, Arizona Cotton Research and Protection Council, Phoenix, AZ

COTTON INSECT RESEARCH & CONTROL - FRIDAY EARLY MORNING - SESSION A
Salon H (Marriott Rivercenter Hotel) - 8:00 AM-10:45 AM
8:00 AM  Management of Thrips in Mid-South Cotton
Don Cook1, Scott D. Stewart2, Sebe Brown3, Jeff Gore1, Gus Lorenz4, Angus Catchot5, Glenn Studebaker6, Nick Seiter1, David Kerns3 and Fred Musser5, (1)Mississippi State University, Stoneville, MS, (2)The University of Tennessee, Jackson, TN, (3)LSU AgCenter, Winnboro, LA, (4)The University of Arkansas, Lonoke, AR, (5)Mississippi State University, Mississippi State, MS, (6)University of Arkansas, Keiser, AR, (7)University of Arkansas System Division of Agriculture, Monticello, AR, (8)Texas A&M University, College Station, TX

8:15 AM  Field Evaluation of a New Thrips Control Agent for Cotton: A Mechanical Insecticide
Robert D. Mitchell III1, Dan Mott1, Anirudh Dhammi1, Dominic Reisig2, David Stewart2 and Richard M. Roe1, (1)NC State University, Raleigh, NC, (2)NC State University, Plymouth, NC, (3)Imerys, Roswell, GA
8:30 AM  Continuous Monitoring of the Susceptibility of Helicoverpa Zea in the Southern U.S. to Different Bt Proteins
Fei Yang1, David Kerns1, Sebe Brown2, Angus Catchot3, Fred Musser3, Jeff Gore4, Don Cook4, Gus Lorenz5, Scott D. Stewart6 and Nick Seiter7, (1)Texas A&M University, College Station, TX, (2)LSU AgCenter, Winnsboro, LA, (3)Mississippi State University, Mississippi State, MS, (4)Mississippi State University, Stoneville, MS, (5)The University of Arkansas, Lonoke, AR, (6)The University of Tennessee, Jackson, TN, (7)University of Illinois, Urbana, IL

8:45 AM  Value of Bt Technology for Bollworm Management: Current Situation and Future Sustainability
David Kerns1, Fei Yang1, Gus Lorenz2, Jeff Gore3, Angus Catchot4, Scott D. Stewart5, Sebe Brown6, Don Cook7 and Nick Seiter8, (1)Texas A&M University, College Station, TX, (2)The University of Arkansas, Lonoke, AR, (3)Mississippi State University, Stoneville, MS, (4)Mississippi State University, Mississippi State, MS, (5)The University of Tennessee, Jackson, TN, (6)LSU AgCenter, Winnsboro, LA, (7)University of Illinois, Urbana, IL

9:00 AM  The Moving Target of Managing Bt-Resistant Bollworm in Cotton
Dominic Reisig1, Lewis Braswell2 and Alejandro Del-Pozo Valdivia2, (1)North Carolina State University, Raleigh, NC

9:15 AM  Impact of Plant Phenology and Spray Timing on Thresholds for Helicoverpa Zea (Lepidoptera: Noctuidae) in Bt Cotton
Alejandro Del Pozo, North Carolina State University, Raleigh, NC, Dominic Reisig, North Carolina State University, Plymouth, NC, Jeremy K. Greene, Clemson University, Blackville, SC and Phillip M. Roberts, University of Georgia, Tifton, GA

9:30 AM  Comparison of Bt (Bacillus thuringiensis) Traits for Cotton Bollworm (Helicoverpa zea) Control in the Lower Gulf Coast of Texas
Gregory Berger, Sidney Hopkins and Mike Treacy, Hopkins Agricultural Services, Inc., Portland, TX

9:45 AM  Introduction of Bollgard 3
John T. Fowler, Monsanto, St. Louis, MO, Eric Blinka, Monsanto, Clayton, NC, Dan Pitts, Monsanto, Lexington, SC, Chris Davis, Monsanto, Coila, MS and George J. Baley, Monsanto, St Louis, MO

10:00 AM  Evaluation of Two Cotton Varieties CRSP1 & CRSP2 for Genetic Transformation Efficiency, Expression of Transgenes Cry1Ac+Cry2A, GT Gene and Insect Mortality
Arfan Ali, Four Brothers Genetic Group, Lahore, Pakistan

10:15 AM  Mechanisms of Fungal Endophyte-Mediated Herbivore Resistance in Cotton
Gregory A. Sword1, Cody Gale1, Charles P.-C. Suh2, Jose L Perez3, Polly Harding4, Greg B Wilson5, David Kerns6 and Michael V. Kolomiets7, (1)Texas A&M University, College Station, TX, (2)USDA-ARS, College Station, TX, (3)Texas A&M University, Department of Entomology, College Station, TX, (4)Texas A&M Plant Pathology Department, College Station, TX

10:30 AM  A Portable High-Throughput DNA Barcoding Approach for Bulk Detection of Helicoverpa armigera
Jason A. Wulf, Texas A&M University Department of Entomology, College Station, TX, Todd M. Gilligan, USDA-APHIS, Fort Collins, CO, Norman B. Barr, USDA-APHIS, Edinburg, TX, Omathhtage P. Perera, USDA-ARS, Stoneville, MS, Tom Walsh, CSIRO, Acton, Canberra, Australia and Gregory A. Sword, Texas A&M University, College Station, TX
Cotton Quality Measurements Conference

Friday, January 5, 2018

COTTON QUALITY MEASUREMENTS - FRIDAY EARLY MORNING

Salon C (Marriott Rivercenter Hotel) - 8:00 AM-10:15 AM

8:00 AM  Effect of Fiber Maturity on Bundle and Single Fiber Strength of Upland Cotton
Hee Jin Kim, USDA-ARS, Southern Regional Research Center, New Orleans, LA; Christopher D. Delhom, USDA-ARS Southern Regional Research Center, New Orleans, LA; James Rodgers, USDA-ARS-SRRC, New Orleans, LA and Don Jones, Cotton Incorporated, Cary, NC

8:15 AM  Comparison of Cotton Fiber Development by the Use of ATR FT-IR Spectroscopy
Yongliang Liu, USDA-ARS, New Orleans, LA and Hee Jin Kim, USDA-ARS, Southern Regional Research Center, New Orleans, LA

8:30 AM  Fiber Quality of Commercial Roller Ginning
Christopher D. Delhom, USDA-ARS Southern Regional Research Center, New Orleans, LA

8:45 AM  How Different Lint Cleaning Processes Affect Fiber Length Uniformity Index
Carlos B. Armijo, Christopher D. Delhom, Derek P. Whitelock, Paul A. Funk, John D. Wanjura, Gregory A. Holt, Robert G. Hardin and Vikki B. Martin, (1)USDA-ARS Southwestern Cotton Ginning Research Laboratory, Mesilla Park, NM, (2)USDA-ARS Southern Regional Research Center, New Orleans, LA, (3)USDA-ARS, Mesilla Park, NM, (4)USDA ARS, Lubbock, TX, (5) USDA-ARS Cotton Ginning Research Unit, Stoneville, MS, (6)Cotton Incorporated, Cary, NC

9:00 AM  Effect of Seed Orientation, Nakedness, Seed Moisture, and Cultivar on Cottonseed Hull Compressive Strength
Michael K. Dowd, Roji Manandhar and Christopher D. Delhom, USDA-ARS Southern Regional Research Center, New Orleans, LA

9:15 AM  Applying Near-Infrared Spectroscopy at the Gin for Rapid Measurement of Cotton Fiber Micronaire and Strength on the Bale
Matthew Indest, USDA-ARS-SRRC, New Orleans, LA and Christopher D. Delhom, USDA-ARS Southern Regional Research Center, New Orleans, LA

9:30 AM  Pressure Effects on the Extraction of Cotton Fiber Wax Using Accelerated Solvent Extraction
Chanel A. Fortier, USDA, New Orleans, LA

9:45 AM  Dual-Beard Fibrography for Cotton Length Distribution Measurement
Bugao Xu, University of North Texas, Denton, TX

10:00 AM  Upland Cotton Surface Amino Acid and Carbohydrate Contents Vs. L*a*b*
Donna V. Peralta, ARS-USDA, New Orleans, LA, Chanel A. Fortier, USDA, New Orleans, LA and James Rodgers, USDA-ARS-SRRC, New Orleans, LA
COTTON UTILIZATION

SALON C (MARRIOTT RIVERCENTER HOTEL) - 10:30 AM-12:00 PM

10:30 AM Recent Trends in Cotton Utilization on the Textile Market
Mourad Krifa, Kent State University, Kent, OH

10:50 AM Infrared Imaging of Cotton Fabric Chemical Treatments Using a Focal Plane Array Detector
Michael Santiago Cintron¹, Terri Von Hoven², Krystal Fontenot², Rebecca Hron² and Doug Hinchliffe², (1)USDA, New Orleans, LA, (2)USDA-ARS-SRRC, New Orleans, LA

11:05 AM Development of Washed Cottonseed Meal-Based Wood Adhesives
Zhongqi He, USDA-ARS, New Orleans, LA

11:20 AM Physical and Mechanical Properties of Egyptian Cotton Knitted Fabrics Finished with Different Silicone Particles
Alaa Arafa Badr and Ashraf El-Nahrawy, Alexandria University, Alexandria, Egypt

11:35 AM Economic Production Optimization by Fiber Blending
Khaled Abdelmohsen Ahmed, Egyptian Spinning & Weaving Co., Sadat City, Egypt
COTTON WEED SCIENCE RESEARCH - THURSDAY EARLY MORNING
Salon M (Marriott Rivercenter Hotel) - 8:40 AM-10:00 AM
8:45 AM Addition of Fluridone in Bolgard II Xtendflex Cotton Herbicide Programs
Hunter Bowman¹, Tom Barber², Jason K. Norsworthy¹ and Wyatt Coffman¹, (1)University of Arkansas, Fayetteville, AR, (2)University of Arkansas-Extension, Lonoke, AR

9:00 AM Evaluation of Preemergence Herbicides in PPO-Resistant Palmer Amaranth (Amaranthus palmeri)
Michael M. Houston¹, Tom Barber², Jason K. Norsworthy¹ and Hunter Bowman¹, (1)University of Arkansas, Fayetteville, AR, (2)University of Arkansas-Extension, Lonoke, AR

9:15 AM Controlling Palmer Amaranth with Tank Mixes of Glufosinate, Dicamba, and 2, 4-D
Lawson Priess, Jason K. Norsworthy, Jacob T. Richburg and Zach Lancaster, University of Arkansas, Fayetteville, AR

9:30 AM Evaluation of Sequence CS in Xtend Cotton
Jacob T. Richburg, Jason K. Norsworthy, Gordon T. Jones and Zachary D. Lancaster, University of Arkansas, Fayetteville, AR

9:45 AM Dicamba and 2,4-D Weed Management Systems in West Texas
Kyle Russell, Texas Tech University, Lubbock, TX, Peter A. Dotray, Texas Tech University, Texas A&M AgriLife Research and Extension Service, Lubbock, TX and Wayne Keeling, Texas A&M AgriLife Research, Lubbock, TX

COTTON WEED SCIENCE RESEARCH - THURSDAY LATE MORNING
Salon M (Marriott Rivercenter Hotel) - 10:30 AM-12:00 PM
10:30 AM Redball® Gen II Broadcast Spray Hoods: an Effective and Economical Tool Proven to Reduce Herbicide Drift
Steve Claussen, Willmar Fabrication, LLC, Benson, MN

10:45 AM Assessing the Effects of Cover Crops on Georgia Cotton
Jeremy M. Kichler, University of Georgia Cooperative Extension, Moultrie, GA and A. Stanley Culpepper, University of Georgia, Tifton, GA

11:00 AM Soil Herbicide Evaluation in Alabama Cotton
Steve Li, Auburn University, Auburn, AL

11:15 AM Control of Palmer Amaranth with 2,4-D and Dicamba As Affected by Stage of Growth and Spray Droplet Size
Josh McGinty, Texas A&M AgriLife Extension Service, Corpus Christi, TX

11:30 AM Update on See & Spray System for Weed Control in Cotton
Shannon Pickering, Blue River Technology, Brashear, TX

COTTON WEED SCIENCE RESEARCH - GRADUATE STUDENT AWARDS
Salon M (Marriott Rivercenter Hotel) - 9:30 AM-10:00 AM
1. Effect of Planting Date and Seeding Rate on Growth and Development of Cotton in the Texas High Plains
Robert Wright¹, Amee Bumguardner¹ and Seth A. Byrd², (1)Texas Tech University, Lubbock, TX, (2)Texas A&M AgriLife Extension, Lubbock, TX

2. Days and DD60s to Key Growth Stages in Modern Cultivars of Varying Maturities
Cheyenne Williams¹, Tyson Raper¹, Darrin M. Dodds², Shawn Butler¹ and Dalton McCurley¹, (1)University of Tennessee, Jackson, TN, (2)Mississippi State University, Mississippi State, MS

3. Response of Commercial Cultivars to Variable Rates and Timings of Mepiquat Chloride
Sarah Dodd, Tyson Raper, Shaun Butler and Dalton McCurley, University of Tennessee, Jackson, TN

4. Yield and Nutrition of Cotton Cultivars Under Different Potassic Fertilization Management in a Sandy Soil
Fabio Rafael Echer¹, Vinicius Jose Souza Peres¹, Giuliano Oliveira Carnevalle Baltazar¹ and Ciro Antonio Rosolem², (1)UNOESTE, Presidente Prudente, Brazil, (2)Unesp, Botucatu, Brazil

5. Contributions of the First True Leaf to Seedling Vigor Under Field Conditions
Gurpreet Kaur Virk, John L. Snider, Cristiane Pilon and Mario Scolari, University of Georgia, Tifton, GA

6. Efficacy of Dicamba Formulation on PPO-resistant Palmer Amaranth Related to Nozzle Type and GPA
Wyatt Coffman¹, Tom Barber² and Jason K. Norsworthy³, (1)University of Arkansas, Fayetteville, AR, (2)University of Arkansas-Extension, Lonoke, AR

7. Reduced Tillage Effects on Cotton Growth and Yield in New Mexico
Sifat Sultana¹, John Idowu¹, Murali Darapuneni², Jinfan Zhang¹, Mohammed Omer² and Tom Wedegaertner², (1)New Mexico State University, Las Cruces, NM, (2)New Mexico State University, Tucumcari, NM, (3)Cotton Incorporated, Cary, NC

8. Effects of Nitrogen and Potassium Rates and Timing on Cotton Yield and Fiber Quality: First Year Results
Blake L. Szilvay¹, Keith L. Edmisten² and Guy D. Collins², (1)NC State University, Raleigh, NC, (2)NC State University, Rocky Mount, NC

9. Cover Crop Management in Texas High Plains Cotton
C.D. Ray White, Texas A&M AgriLife Research, Lubbock, TX, Katie L. Lewis, Texas A&M AgriLife Research and Extension Center, Lubbock, TX, Wayne Keeling, Texas A&M AgriLife Research, Lubbock, TX and Paul DeLaune, Texas A&M AgriLife Research, Vernon, TX
   Joseph A. Burke, Department of Plant and Soil Science, Texas Tech University, Lubbock, TX, Katie L. Lewis, Texas A&M AgriLife Research and Extension Center, Lubbock, TX, Wayne Keeling, Texas A&M AgriLife Research, Lubbock, TX and Paul DeLaune, Texas A&M AgriLife Research, Vernon, TX

11. Nitrogen Cycling in a Managed Semi-Arid Agricultural Ecosystem
   Mark McDonald, Texas Tech University, Department of Plant and Soil Science, Lubbock, TX, Paul DeLaune, Texas A&M AgriLife Research, Vernon, TX and Katie L. Lewis, Texas A&M AgriLife Research and Extension Center, Lubbock, TX

   Brady P. Arthur¹, Gaylon Morgan², Ronnie Schnell², Tony Provin², Jake Mower², Dennis Coker² and Dale A. Mott², (1)Texas A&M University, College Station, TX, (2)Texas A&M AgriLife Extension Service, College Station, TX

13. Cotton Varietal Response to Potassium Application Rates Under Irrigated and Dryland Conditions
   Savana Davis, Darrin M. Dodds and Bradley R. Wilson, Mississippi State University, Mississippi State, MS

14. Cover Crop Impact on Soil Microbial Activity and Nitrogen Cycling in Rainfed Cotton
   Brian A. Hux, Texas A&M University, College Station, TX

15. Agronomic Efficiency of Cover Crop Mixes and Strip Tillage in Cotton Production in Southeastern Virginia
   Hunter Frame³, Sarah Mcclanahan³, Mark Reiter³, Charles Cahoon³ and Michael Flessner³, (1)Virginia Tech, Suffolk, VA, (2)Virginia Polytechnic Institute & State University, Blacksburg, VA

   Aemie Bumgardner, Texas Tech University, Lubbock, TX, Katie Lewis, Department of Plant and Soil Science, Texas Tech University, Lubbock, TX, Seth A. Byrd, Texas A&M AgriLife Extension, Lubbock, TX, Dustin Kelley, Texas A&M AgriLife Research, Lubbock, TX and Tommy Roach, Nachurs Alpine Solutions, Marion, OH

17. Water Volume and Deposition Effects on Harvest Aid Efficacy
   James A. Griffin, Texas A&M Cotton Extension, College Station, TX, Seth A. Byrd, Texas A&M AgriLife Extension, Lubbock, TX, Gaylon D. Morgan, Texas A&M AgriLife Extension Service, College Station, TX, Tyson Raper, University of Tennessee, Jackson, TN, Darrin M. Dodds, Mississippi State University, Mississippi State, MS, Randy Norton, University of Arizona, Safford, AZ, Andrea S. Jones, University of Missouri, Portageville, MO, Guy D. Collins, North Carolina State University, Rocky Mount, NC, Trey Cutts, Auburn University, Auburn, AL and Keith L. Edmisten, NC State University, Raleigh, NC

18. Effects of Droplet Size on Insecticide Efficacy of Thrips
   Chase A. Samples¹, Darrin M. Dodds¹, Angus Catchot¹, Greg Kruger² and Bradley R. Wilson¹, (1)Mississippi State University, Mississippi State, MS, (2)University of Nebraska, North Platte, NE

19. Damage Simulation in Early- and Late- Maturing Cotton Varieties in the Mid-South
   Michael T. Plumblee¹, Darrin M. Dodds¹, Tyson Raper² and Andrea S. Jones², (1)Mississippi State University, Mississippi State, MS, (2)University of Tennessee, Jackson, TN, (3)University of Missouri, Portageville, MO
20. Xtendflex, Liberty Link, and Widestrike/Roundup Flex Tolerance to Glufosinate and Metolachlor
Dalton McCurley, Tyson Raper and Shawn Butler, University of Tennessee, Jackson, TN

21. Effects on Cottonseed and Early Season Growth from Low Rates of Dicamba Herbicide Overspray on Susceptible Cotton at Various Timings in Southeastern Texas
Dale A. Mott1, Gaylon Morgan1 and Josh McGinty2, (1)Texas A&M AgriLife Extension Service, College Station, TX, (2)Texas A&M AgriLife Extension Service, Corpus Christi, TX

22. Utility of Fungicides for Control of Target Spot in NC
Robert J. Tetterton1, Oscar C. Hodges1, Guy D. Collins2, Lindsey D. Thiessen3, Keith L. Edmisten3 and Blake L. Szilvay3, (1)NCDA & CS, Plymouth, NC, (2)NC State University, Rocky Mount, NC, (3)NC State University, Raleigh, NC

23. Effects of Plant Growth Regulators on Biochemical Characters of Floral Bud Differentiation in Cotton
Shanshan Wang and Sheng Fang, Nanjing Agricultural University, Nanjing, China

24. Regula: An APP for Plant Growth Regulator Management in Cotton
Fabio Rafael Echer1, Ciro Antonio Rosolem2, Gustavo Scandolieri1 and Francisco Maracci1, (1)Unoeste, Presidente Prudente, Brazil, (2)Unesp, Botucatu, Brazil

25. Integrated Cotton Management System to Increase Cottonseed Yields and Useful Embryo Oil and Protein Components
Yali Meng and Hongkun Yang, Nanjing Agricultural University, Nanjing, China

26. Amino Acid and Carbohydrate Profiles of Cotton Plant Biomass Products
Zhongqi He, USDA-ARS, New Orleans, LA, Dan C. Olk, USDA-ARS, Ames, IA, Hailin Zhang, Oklahoma State University, Stillwater, OK, Haile Tewolde, USDA-ARS, Mississippi State, MS and Mark Shankle, Mississippi State University, Pontotoc, MS

27. Rotylenchulus Reniformis Resistant Cotton Lines Exhibit Higher Early-Season Vigor and Fiber Yield, When Compared to Susceptible Varieties
Bhupinder Singh1, Daryl Chastain2, John L. Snider3, K. Raja Reddy4, Jason Krutz1 and Sally Stefina3, (1)Mississippi State University, Stoneville, MS, (2)Mississippi State University Delta Research and Extension Center, Stoneville, MS, (3)University of Georgia, Tifton, GA, (4)Mississippi State University, Starkville, MS, (5)USDA-ARS, Stoneville, MS

Michael A. Jones, Clemson University, Florence, SC and Randy Wells, NC State University, Raleigh, NC

29. Genetic and Environmental Contributions to Cotton Yield and Fiber Quality in the Midsouth
Tyson Raper1, Darrin M. Dodds2, Bill Robertson3, Dan D. Fromme4, Trey Cutts4, Tyler Sandlin5, Andrea S. Jones2 and Ryan Blair1, (1)University of Tennessee, Jackson, TN, (2)Mississippi State University, Mississippi State, MS, (3)University of Arkansas, Newport, AR, (4)LSU AgCenter, Alexandria, LA, (5)Auburn University, Auburn, AL, (6)Auburn University, Madison, AL, (7)University of Missouri, Portageville, MO
30. Evaluating Deer Herbivory Response to Aglogic 15G
Mark Freeman, UGA, Statesboro, GA, Mark McConnell, UGA, Athens, GA, Katie Burch, UGA Extension Burke County, Waynesboro, GA, Raynor D. Churchwell, University of Georgia Cooperative Extension, Cochran, GA and Jason E. Mallard, University of Georgia Cooperative Extension, Millen, GA

31. Impact of Simulated Deer Feeding on Cotton at Various Growth Stages
Stephen C. Deal1, Guy D. Collins1, Keith L. Edmisten2 and Blake L. Szilvay2, (1)North Carolina State University, Rocky Mount, NC, (2)North Carolina State University, Raleigh, NC

32. Effects of Short-Term High Temperature on Cotton Yield and Fiber Quality of Different Cultivars
Youhua Wang and Wenzheng Xu, Nanjing Agricultural University, Nanjing, China

33. Leaf Osmotic Potentials of Selected Cotton Varieties Under Different Irrigation Regimes in Southwest Texas
Xuejun Dong, Texas A&M AgriLife Research, Uvalde, TX and Gaylon Morgan, Texas A&M AgriLife Extension Service, College Station, TX

34. Variable Rate Irrigation for Cotton and Maize
Philip J. Bauer and Kenneth C. Stone, USDA-ARS, Florence, SC

35. Soil Water and Salt Affect Cotton Photosynthesis, Yield and Fiber Quality in Coastal Saline Soil
Binglin Chen and He Zhang, Nanjing Agricultural University, Nanjing, China

36. Cotton Growth, Lint Yield, and Fiber Quality as Influenced by Seeding Rates Under Dryland and Irrigation in the Rolling Plains of Texas
Emi Kimura1, Jonathan H. Ramirez1, Curtis B. Adams1, Santanu B. Thapa1 and Paul DeLaune2, (1)Texas A&M AgriLife Research and Extension Service, Vernon, TX, (2)Texas A&M AgriLife Research, Vernon, TX

37. Replicated Agronomic Cotton Evaluation (TACE) Trial in the Rolling Plains of Texas-2017
Jonathan H. Ramirez1, Emi Kimura1, Gaylon Morgan2, Jason Woodward3 and Paul DeLaune4, (1)Texas A&M AgriLife Research and Extension Service, Vernon, TX, (2)Texas A&M AgriLife Extension Service, College Station, TX, (3)Department of Plant and Soil Science, Texas Tech University, Lubbock, TX, (4)Texas A&M AgriLife Research, Vernon, TX

David R. Drake1, Jennifer Lopez2, Amy D. Braley2 and Scott Stewart2, (1)Texas A&M AgriLife Extension Service, Commerce, TX, (2)Texas A&M - Commerce, Commerce, TX

39. End of Season Fruit Retention, Yield, and Fiber Quality of Texas Cotton Cultivars
David R. Drake, Texas A&M AgriLife Extension Service, Commerce, TX

40. Row and Plant Spacing Effects on Growth and Yield of Dryland Cotton Where Growing Season Duration Is Limited
R. Louis Baumhardt1, Robert Schwartz1, Gary Marek2 and Jourdan M. Bell2, (1)USDA-ARS, Conservation and Production Research Laboratory, Bushland, TX, (2)Texas A&M AgriLife, Amarillo, TX

41. Evaluation and Quantification of Environmental Sustainability of Tillage Treatments in the Coastal Bend Region of Texas
Andrea Maeda1, Guadalupe Rodriguez2, Juan Landivar3 and Kenneth Schaefer1, (1)Texas A&M AgriLife Research, Corpus Christi, TX, (2)Texas A&M University - Kingsville, Kingsville, TX
42. Screening and Verification of Cotton (Gossypium hirsutum L.) Cultivars for Low-Phosphorus and the Critical Phosphorus Rate Zhiguo Zhou and Huijie Li, Nanjing Agricultural University, Nanjing, China

43. Cotton Response to Polyhalite Compared to Other K and S Source Fertilizers in the Coastal Plain Soils of Virginia Hunter Frame, Virginia Tech, Suffolk, VA

44. Impacts of Potassium Fertilization on New Glandless Cotton Cultivars Developed for New Mexico John Idowu1, Jinfa Zhang2, Jane Pierce1, Mohammed Omer1 and Tom Wedegaertner2, (1)New Mexico State University, Las Cruces, NM, (2)Cotton Incorporated, Cary, NC

45. Soil Exchangeable Nitrogen Retention at Various Soil Depths in Irrigated Cotton Production Hunter Kyle Wood1, M. Arlene Alviar Adviento-Borbe2, Michele L. Reba2, Bill Robertson3 and Tina Gray Teague4, (1)Arkansas State University, Jonesboro, AR, (2)USDA-ARS, Jonesboro, AR, (3)University of Arkansas, Newport, AR, (4)Arkansas State University/University of Arkansas Experiment Station, State University, AR

46. Soil Fertility Management Strategies Researched for Maximizing Cotton Yield in Bulloch County, GA William G. Tyson, University of Georgia Cooperative Extension, Statesboro, GA and Glendon Harris, University of Georgia, Tifton, GA

47. Termination Timing of Cereal Rye Cover Crop in Cotton Bill Robertson1, Amanda Free1, Tyler Johnson1, Cheyenne Gilliam1, Alan Beach1 and Tina Gray Teague4, (1)University of Arkansas, Newport, AR, (2)Ark State Univ/Univ Ark Exp Sta, State University, AR

48. Soil Your Undies: A Demonstration of Soil Health Bill Robertson, Cheyenne Gilliam and Amanda Free, University of Arkansas, Newport, AR

49. Improving Yield Stability Using Variety Mixtures in North Carolina: First Year Results Guy D. Collins1, Keith L. Edmisten2 and Blake L. Szilvay2, (1)NC State University, Rocky Mount, NC, (2)NC State University, Raleigh, NC

51. **Overview of Cotton Diseases in West Texas in 2017**

Jason Woodward, Department of Plant and Soil Science, Texas Tech University, Lubbock, TX, Terry Wheeler, Texas A&M AgriLife Research, Lubbock, TX and Thomas Isakeit, Texas A&M University, College Station, TX

52. **Report of the Cottonseed Treatment Committee for 2017**

Heather Kelly¹, Craig Rothrock², Scott Winters³, Thomas Allen³, J. D. Barham⁴, William Barnett⁵, M. B. Bayles⁶, P. D. Colyer⁷, Robert C. Kemerait⁸, Kathy S. Lawrence⁹, Gary W. Lawrence⁰, Hillary L. Mehli¹¹, Paul Price¹², Jason Woodward¹³ and Tessie H. Wilkerson¹⁴, (1)University of Tennessee, Jackson, TN, (2)University of Arkansas, Fayetteville, AR, (3)Mississippi State University, Mississippi State, MS, (4)University of Arkansas Division of Agriculture, Hope, AR, (5)NERC - University of Arkansas Division of Agriculture, Little Rock, AR, (6)Oklahoma State University, Stillwater, OK, (7)LSU AgCenter, Bossier City, LA, (8)University of Georgia, Tifton, GA, (9)Auburn University, Auburn, AL, (10)Mississippi State University, Starkville, MS, (11)Virginia Tech, Suffolk, VA, (12)Louisiana State University, Winnboro, LA, (13)Department of Plant and Soil Science, Texas Tech University, Lubbock, TX, (14)Mississippi State University, Stoneville, MS

53. **Cotton Cultivar Disease Incidence, Severity, and Yields When Challenged with Verticillium Wilt in Alabama and Tennessee**

Kathy Lawrence¹, Heather Kelly², Tyson Raper², Trey Cutts³, Tyler Sandlin² and Brad Meyer³, (1)Auburn University, Auburn, AL, (2)University of Tennessee, Jackson, TN, (3)Auburn University, Madison, AL, (4)Agri-AFC, Decatur, AL

54. **Effect of in-Furrow Fungicides on Verticillium Wilt in Cotton**

Madison L. Cartwright, Texas A&M AgriLife Extension, Lubbock, TX, Jason Woodward, Department of Plant and Soil Science, Texas Tech University, Lubbock, TX, Katie L. Lewis, Texas A&M AgriLife Research and Extension Center, Lubbock, TX and Russ Perkins, Bayer CropScience, Idalou, TX

55. **Comparison of Isolation Methods and Media for Quantifying Verticillium Dahliae Populations in Soil**

Shelby M. Young, Texas Tech University, Department of Plant and Soil Science, Lubbock, TX, Karen Kirkby, NSW Department of Primary Industries, New South Wales, Narrabri, Australia, Sharlene Roser, NSW Department of Primary Industries, Narrabri, Australia and Jason Woodward, Department of Plant and Soil Science, Texas Tech University, Lubbock, TX

56. **Screening Microbial Resistance to Fusaric Acid, an Antibiotic and Phytotoxin Produced by Fusarium Wilt Pathogens**

F. K. Crutcher¹, Lorraine Puckhaber², R. D. Stipanovic³, Alois A. Bell⁴, Robert L. Nichols⁵, Kathy S. Lawrence⁶ and Jinggao Liu⁷, (1)Eastern Agricultural Research Center, Sidney, MT, (2)USDA-ARS, College Station, TX, (3)USDA-ARS, College Station, TX, (4)College Station, TX, (5)Texas A&M University, College Station, TX

57. **Analysis of the Link between the Lacinilene and Gossypol Pathways in Roots of RNAi CYP82D109 Cotton Plants**

Tanya A. Wagner¹, Lorraine Puckhaber², Jinggao Liu³, Alois A. Bell¹ and Clint W. Magill², (1)USDA-ARS, College Station, TX, (2)Texas A&M University, College Station, TX

58. **Integrated Management of Southern Root-Knot Nematode with Resistant Cotton Varieties and Nematicides in Appling County, Georgia**

David Shane Curry, University of Georgia, Baxley, GA and Robert C. Kemerait, University of Georgia, Tifton, GA
59. **Performance of Root-Knot Nematode Resistant Varieties Under Different Irrigation Levels**
   Richard Roper, Texas Tech University, Lubbock, TX, Jason Woodward, Department of Plant and Soil Science, Texas Tech University, Lubbock, TX, Madison L. Cartwright, Texas A&M AgriLife Extension, Lubbock, TX and James I. Yates, Texas A&M AgriLife Extension, Lubbock, TX

60. **Variation in Bacteria and Nematode Communities Associated with Rotylenchulus reniformis Development on Cotton in Alabama**
   Ni Xiang, Kathy S. Lawrence, Neha Potnis and Patricia Donald, Auburn University, Auburn, AL

61. **Investigating the Interaction of Breeding Lines and the Nematicide, Velum Total, to Reniform Nematode (Rotylenchulus reniformis)**
   Gulsah Kaplan¹, Jenny Koebernick¹, Kathy S. Lawrence¹ and Roelof Sikkens², (1)Auburn University, Auburn, AL, (2)Department of Crop, Soil and Environmental Sciences, Auburn University, AL

62. **Response of Cotton Varieties to the in-Furrow Nematicide Velum Total for Management of Reniform Nematodes**
   Taylor M. Wright, Texas Tech University, Department of Plant and Soil Science, Lubbock, TX, Jason Woodward, Department of Plant and Soil Science, Texas Tech University, Lubbock, TX, Katie L. Lewis, Texas A&M AgriLife Research and Extension Center, Lubbock, TX, Seth A. Byrd, Texas A&M AgriLife Extension, Lubbock, TX and Gaylon D. Morgan, Texas A&M AgriLife Extension Service, College Station, TX

_Cotton Engineering-Systems Conference Posters_

63. **Large Scale Implementation and Evaluation of on-Farm Advanced Irrigation Scheduling**

64. **Utilization of Soil Moisture Sensors for Maximizing the Benefit of Irrigation Applications in Cotton Production**
   Jason E. Mallard, University of Georgia Cooperative Extension, Millen, GA and Wesley M. Porter, University of Georgia, Tifton, GA

65. **Real-Time, Variable-Depth Tillage for Managing Soil Compaction in Cotton Production**
   Jonathan Fox¹, Ahmad Khallilian¹, Young Han¹, Phillip B. Williams², Ali Mirzakhani Nafchi² and Joe Mari J. Maja³, (1)Clemson University, Clemson, SC, (2)Clemson University, Blackville, SC
66. Blue Pill / Red Pill: Yield Phenotyping in a Rain Grown Matrix
Will Dodge1, Claire Welsh2, Michael P. Bange2, Paxton Payton3 and James R. Mahan4, (1)Texas Tech University, Lubbock, TX, (2)CSIRO, Narrabri, New South Wales, Australia, (3)United States Department of Agriculture, Lubbock, TX, (4)USDA/ARS, Lubbock, TX

67. Overexpression of Multiple Genes to Generate Salt-Tolerant Cotton
Ruvini W. Mathangadeera, Li Sun and Hong Zhang, Texas Tech University, Lubbock, TX

68. Using Extra Long Staple Upland Germplasm in a Breeding Program
B. Todd Campbell, USDA-ARS, Florence, SC

69. Cotton Genetic Gain & Sustainability
Roy Cantrell, Wheelertex Consulting LLC, Las Cruces, NM

70. Diversity Among Gossypium hirsutum Accessions from Africa
Lori Hinze, USDA-ARS, College Station, TX

71. Engineering Cotton for Increased Drought/Salt Tolerance and Improved Fertilizer Use Efficiency
Maheshika Menike, Texas Tech University, Lubbock, TX

72. Progress in Breeding for Glandless Cotton in New Mexico
Jinfa Zhang, New Mexico State University, Las Cruces, NM

73. Pyramiding of New QTL LOCi into a Single Genotype in Cotton
Mukhtar Mukhammadovich Darmanov, Center of Genomics and Bioinformatics, Tashkent, Uzbekistan

74. Using Cottongen for Crop Improvement
Dorrie Main, Washington State University, Pullman, WA

75. Comparative Assessment of Genetic Diversity in Cytoplasmic and Nuclear Genome in Gossypium hirsutum and G. barbadense Cotton Lines with Diverse Fiber Properties
Mirzakamol S. Ayubov1, Tokhirbek M. Norov1, Sukumar Saha2, Sheron Simpson2, Brian Scheffler2, Dewayne D. Deng2, Johnie N. Jenkins2, Zabardast T. Buriev1 and Ibrokhim Y. Abdurakhmonov1, (1) Center of Genomics and Bioinformatics, Tashkent, Uzbekistan, (2) USDA-ARS, Mississippi State, MS, (3)Genomics and Bioinformatics Research, Stoneville, MS

76. Correlation and Path Analysis of High-Throughput Phenotyping Traits, Lint Yield and Yield Components in an Exotic Cotton Population
Kari L. Hugie, Texas A&M University, College Station, TX

77. Development of a PCR-Based Genome-Wide Interspecific SNP Library to Advance Introgressed Lines
Robert Vaughn, Texas A&M AgriLife Research, College Station, TX

78. Yield and Economic Evaluation of Cotton Varieties from Large-Block on-Farm Tests in Northeast Arkansas
Allison Howell, University of Arkansas, Piggott, AR

79. Evaluation of Cotton in Large-Plot on-Farm Variety Testing in Arkansas
Bill Robertson, University of Arkansas, Newport, AR

80. A Genome-Wide Association Study of Tolerance to Biotic and Abiotic Stresses in a MAGIC Population
Abdelraheem, New Mexico State University, Las Cruces, NM
81. Cotton Fiber Quality Improvement by Introducing Sucrose Synthase (SuS) Gene into Gossypium hirsutum L.  
   Ahmad Ali Shahid, Centre of Excellence in Molecular Biology, University of the Punjab, Lahore, PR, Pakistan

82. Development of Cotton NAM Population for Fine Genetic Mapping  
   Ozod Sunnatalievich Turaev, Center of Genomics and Bioinformatics, Tashkent, Uzbekistan

Cotton Improvement Conference Posters  
(Student Competition)

83. Cotton Plants Co-Overexpressing AVP1 and OsSIZ1 Show Improved Phenotype and Increased Yield Under Multiple-Stress Conditions  
   Nardana Esmaeili, Texas Tech University, Lubbock, TX

84. Targeted Fiber Length Distribution for Improvement of Yarn Quality  
   Zach Hinds, Texas Tech University, Lubbock, TX

85. Impact of Breeding Methods on Fiber Length Distribution Improvement  
   Zach Hinds, Texas Tech University, Lubbock, TX

86. Evaluation of Mechanical Cotton Seed Delinter for Breeders  
   Joel Arce, Texas A&M University, College Station, TX

87. Exploring the Roles of the Cets Gene Family in Cotton (Gossypium hirsutum) Development  
   Kody A. Hughes, University of North Texas, Denton, TX

88. A Comparison of Two Boll Sampling Strategies for Fiber Quality Improvement in a Pedigree Scheme  
   Joao Paulo Saraiva Morais, Brazilian Agricultural Research Corporation, Campina Grande, Brazil

89. Genomic Prediction of U.S. Obsolete Cultivar Collection for Fiber Quality Traits  
   Mitchell J. Schumann, Texas A&M, College Station, TX

90. Cotton’s Secret Fiber: Manipulating Lignin Biosynthesis for Bast Development  
   Emmanuel A. Ortiz, University of North Texas, Denton, TX

91. Enhancing U.S. Cotton Classing with Varietal Data  
   Jacob W. James, Texas Tech University, Lubbock, TX

92. Yarn Seed Coat Fragments Identification  
   Arifa Sultana, Texas Tech University, Lubbock, TX

93. Developing a High-Throughput Phenotypic Screening Protocol for Target Spot (Corynespora cassiicola)  
   Carly R. Moore, Auburn University, Auburn, AL

94. Proof of Concept: Gene Based Breeding Vs Field Based Breeding  
   Drutdaman Bhangu, Texas A&M, College Station, TX

95. A New Approach to Characterize the Total Within Sample Variation in Fiber Length: Utilization of the Whole Fibrogram  
   Md Abu Sayeed, Texas Tech University, Lubbock, TX

Cotton Insect Research and Control Conference Posters

96. Insecticide and Cultivar Effects in a Long-Term Tillage System Study in NE Arkansas Cotton  
   Tina Gray Teague, Arkansas State University/University of Arkansas Experiment Station, State University, AR, Amanda M. Mann, University of Arkansas Division of Agriculture, State University, AR and Michele L. Reba, USDA-ARS, Jonesboro, AR
97. Laboratory Evaluation of Selected Insecticides on Field-Collected Populations of Bollworm and Tobacco Budworm Larvae-2017 Update
   Greg Payne and Emily Adams, University of West Georgia, Carrollton, GA

98. Sustainable Boll Weevil Management through Development of RNAi Transgenic Cotton
   Loren J. Rivera-Vega1, Keerti S. Rathore1, Tyler J. Raszick1, Ismael Badillo-Vargas2 and Gregory A. Sword3, (1)Texas A&M University, College Station, TX, (2)Texas A&M AgriLife, Weslaco, TX

99. Fungal Endophytes Affect Stinkbug Olfactory Responses to Cotton Bolls
   Zoey Alana Kramer1, Christine Madamba1, Cody Gale2 and Gregory A. Sword2, (1)Texas A&M University, Department of Entomology, College Station, TX, (2)Texas A&M University, College Station, TX

100. Alternatives to Neonicotinoids for Thrips Control in Cotton
    Glenn Studebaker1, Gus Lorenz2, Nick Seiter3, Courtney Jackson1, Nichole Taillon4, Andrew Plummer4 and Kevin McPherson5, (1)University of Arkansas, Keiser, AR, (2)The University of Arkansas, Lonoke, AR, (3)University of Illinois, Urbana, IL, (4)University of Arkansas CES, Lonoke, AR, (5)University of Arkansas, Lonoke, AR

101. Fungal Endophyte Synergy with Insecticides for Sustainable Management of Aphis gossypii

102. Performance of Transgenic Cotton Cultivars (Bt) in Relation to the Occurrence of Pests in Brazil
    Roberto da Silva1, Geraldo Papa2 and Joao Antonio Zanardi Junior2, (1)Unesp - Ilha Solteira/SP, Ilha Solteira, Brazil, (2)Unesp - Ilha Solteira/SP/Brazil, Ilha Solteira, Brazil

103. Species Composition of Heliothines on Wild Host Plants in the Mississippi Delta
    Kerry Clint Allen and Nathan S. Little, USDA-ARS SIMRU, Stoneville, MS

104. Influence of Cover Crops on Diversity and Abundance of Ground Beetles in Texas Cotton
    Abdul Hakeem, Texas A&M AgriLife Research, Lubbock, TX, Megha N. Parajulee, Texas A&M AgriLife Research and Extension Center, Lubbock, TX, Muhammad Ismail, University of Sargodha, Sargodha, Pakistan and Katie Lewis, Department of Plant and Soil Science, Texas Tech University, Lubbock, TX

105. Vial and Diet Bioassays to Determine Resistance Levels in Tarnished Plant Bugs
    Maribel Portilla, USDA, Stoneville, MS and Bryce D. Blackman, USDA-ARS SIMRU, Stoneville, MS

106. Survival of Different Bollworm and Tobacco Budworm Larval Instars Exposed to a Commercially Formulated Bt Product in Diet Incorporated Bioassays
    Nathan S. Little, Randall G. Luttrell and Michelle Mullen, USDA-ARS SIMRU, Stoneville, MS

107. Seasonal Abundance of the Tarnished Plant Bug (Lygus lineolaris (Palisot de Beauvois)) on Wild Host Plants in the Midsouth
    Katherine A. Parys1, Bryce D. Blackman1, Maribel Portilla2 and Randall G. Luttrell1, (1)USDA-ARS SIMRU, Stoneville, MS, (2)USDA, Stoneville, MS
Standardized Insecticide Trial for Control of Tarnished Plant Bugs across the Mid-South
Sandy Steckel¹, Matthew Williams², Scott D. Stewart¹, Angus Catchot³, Jeff Gore⁴, Don Cook⁴, David Kerns⁵, Sebe Brown⁶, Gus Lorenz⁷, Glenn Studebaker⁸ and Nick Seiter⁹, (1)The University of Tennessee, Jackson, TN, (2)University of Tennessee, Jackson, TN, (3) Mississippi State University, Mississippi State, MS, (4)Mississippi State University, Stoneville, MS, (5)Texas A&M University, College Station, TX, (6)LSU AgCenter, Winnsboro, LA, (7)The University of Arkansas, Lonoke, AR, (8)University of Arkansas, Keiser, AR, (9)University of Illinois, Urbana, IL

Efficacy of Select Insecticides for Control of Cotton Bollworm, Helicoverpa Zea, in Conventional Cotton
Andrew Plummer¹, Gus Lorenz², Nichole Taillon¹, Aaron Cato³, Kevin McPherson⁴, Joseph Black⁵, Layton McCullars⁶ and Jack Pace⁷, (1)University of Arkansas CES, Lonoke, AR, (2)The University of Arkansas, Lonoke, AR, (3)University of Arkansas, Fayetteville, AR, (4)University of Arkansas, Lonoke, AR, (5)University of Arkansas - SEREC, Monticello, AR

Comparison of Bt Cultivars for Control of Cotton Bollworm with and without a Foliar Application in Arkansas, 2017
Nichole Taillon¹, Gus Lorenz², Andrew Plummer¹, Aaron Cato³, Joseph Black⁴, Kevin McPherson⁴, Layton McCullars⁶ and Jack Pace⁷, (1)University of Arkansas CES, Lonoke, AR, (2)The University of Arkansas, Lonoke, AR, (3)University of Arkansas, Fayetteville, AR, (4)University of Arkansas, Lonoke, AR, (5)University of Arkansas - SEREC, Monticello, AR

Efficacy of Selected Bollgard II Varieties for Control of Cotton Bollworm, Helicoverpa Zea, (Bodie), in the Mid-South
Kevin McPherson¹, Gus Lorenz², Glenn Studebaker³, Nick Seiter⁴, Angus Catchot⁵, Jeff Gore⁶, Don Cook⁷, Sebe Brown⁸, Nichole Taillon⁹, Andrew Plummer⁹, Aaron Cato⁹, Joseph Black⁹, Layton McCullars⁹ and Jack Pace¹⁰, (1)University of Arkansas, Lonoke, AR, (2)The University of Arkansas, Lonoke, AR, (3)University of Arkansas, Keiser, AR, (4)University of Illinois, Urbana, IL, (5)Mississippi State University, Mississippi State, MS, (6)Mississippi State University, Stoneville, MS, (7)LSU AgCenter, Winnsboro, LA, (8)University of Arkansas CES, Lonoke, AR, (9)University of Arkansas, Fayetteville, AR, (10)University of Arkansas - SEREC, Monticello, AR

Non-Destructive Detection of Diapause in Males of the Western Tarnished Plant Bug
Dale W. Spurgeon, USDA, ARS, Maricopa, AZ

An Experimental Study of Cotton Seed Treatment by Certain Neonicotinoid Insecticides Against the Incidence of Early Infestation of Bollworms, their Effect on Growth and Lint Yield Characteristics of Cotton Plants
Hisham Mohamed EL-bassouiny, Agricultural Research Centre - Plant Protection Research Institute, Giza - Egypt

Control of Thrips with Selected Insecticidal Seed Treatments in Texas Cotton
Suhas Vyavhare¹, Blayne Reed², Adam Kesheimer², Megha N. Parajulee³, Robert Bowling³ and Abdul Hakeem³, (1)Texas A&M AgriLife Extension Service, Lubbock, TX, (2)Texas A&M AgriLife Extension, Plainview, TX, (3)Texas A&M AgriLife Research and Extension Center, Lubbock, TX, (4)Texas A&M AgriLife Extension, Department of Entomology, Corpus Christi, TX

Toxicity of Cotton Varieties Expressing Cry Proteins to Different Larval Instars of Helicoverpa armigera (Lepidoptera: Noctuidae)
Rosalia Azambuja¹, Paulo Eduardo Degrande¹, Ellen Patricia Souza¹, Daniel Ricardo Sosa-Gomez², Ricardo Oliveira Santos¹ and Danilo Renato Santiago Santana¹, (1)Universidade Federal da Grande Dourados (UFGD), Dourados, Brazil, (2)Embrapa Soja, Londrina, Brazil

CANCELLED
### Temporal Variability of Thrips Infesting 1-Leaf Cotton in Conventional and Reduced Tillage Systems


### Cotton Weed Science Research Conference Posters

117. **Performance of S-Metolachlor and Dicamba Premix in Bolgard II Xtendflex Cotton**

Hunter Bowman¹, Tom Barber², Jason K. Norsworthy¹ and Michael M. Houston¹, (1)University of Arkansas, Fayetteville, AR, (2)University of Arkansas-Extension, Lonoke, AR

118. **Effect of Flooding Period and Seed Burial Depth on Palmer Amaranth Seed Germination**

Lucas Xavier Franca, Darrin M. Dodds, Michael T. Plumblee and Savana Davis, Mississippi State University, Mississippi State, MS

119. **Postemergence Herbicide Options for PPO-Resistant Palmer Amaranth (Amaranthus palmeri)**

Michael M. Houston¹, Tom Barber², Jason K. Norsworthy¹ and Wyatt Coffman¹, (1)University of Arkansas, Fayetteville, AR, (2) University of Arkansas-Extension, Lonoke, AR

120. **Efficacy of Dicamba on PPO-Resistant Palmer Amaranth**

Lawson Priess, Jason K. Norsworthy, Jacob T. Richburg and Chris Meyer, University of Arkansas, Fayetteville, AR

121. **Crop Tolerance and Weed Control Programs in Enlist Cotton**

Jacob T. Richburg, Jason K. Norsworthy and Lawson Priess, University of Arkansas, Fayetteville, AR
122. **Weed Management with Conventional and Conservation Tillage in Bollgard II Xtendflex Cotton Systems**
   C.D. Ray White, Texas A&M AgriLife Research, Lubbock, TX, Wayne Keeling, Texas A&M AgriLife Research, Lubbock, TX, Justin Lee Spradley, Texas A&M AgriLife, Lubbock, TX and John Everitt, Monsanto, Shallowater, TX

123. **Influence of the Sequential Order When Using Liberty and Dicamba**
   Ciera Ware, Texas A&M Research, Lubbock, TX, Kyle Russell, Texas A&M AgriLife Research, Lubbock, TX, Peter A. Dotray, Texas Tech University, Texas A&M AgriLife Research and Extension Service, Lubbock, TX, Wayne Keeling, Texas A&M AgriLife Research, Lubbock, TX, Russ Perkins, Bayer CropScience, Idalou, TX and Corey N. Thompson, Bayer Crop Science, Lubbock, TX

124. **Response of Cotton Growth Stages from Simulated Drift Rates of 2,4-D and Dicamba**
   Taghi Bararpour¹, Ralph R. Hale¹, Jason A. Bond², Jeff Gore¹, Don Cook¹ and Daryl Chastain³, (1)Mississippi State University, Stoneville, MS, (2)Mississippi State, Stoneville, MS, (3)Mississippi State University Delta Research and Extension Center, Stoneville, MS

125. **Field Evaluations of HPPD Tolerant Cotton in Western Texas**
   Peter A Dotray¹, Frederick T. Moore² and Corey N. Thompson², (1) Texas Tech University, Texas A&M AgriLife Research and Extension Service, Lubbock, TX, (2)Bayer Crop Science, Lubbock, TX

126. **Weed Management Systems in 2,4-D Tolerant Cotton**
   Michael W. Marshall and Colton Sanders, Clemson University - Edisto REC, Blackville, SC

127. **Auxin Herbicide-Glufosinate Interactions on Palmer Amaranth Control**
   William B. McCloskey, University of Arizona, School of Plant Sciences, Tucson, AZ

128. **Cotton Tolerance to Applications of Warrant and Dual Magnum in Dicamba and 2,4-D Tolerant Cotton**
   Donnie Miller, LSU AgCenter, St. Joseph, LA and Daniel O. Stephensson IV, LSU AgCenter, Alexandria, LA

129. **Effects of Soil Texture on Cotton Response to Preemergence Applications of Outlook Herbicide**
   Justin Lee Spradley³, C.D. Ray White², Kyle Russell², Wayne Keeling² and Peter A Dotray³, (1)Texas A&M AgriLife, Lubbock, TX, (2)Texas A&M AgriLife Research, Lubbock, TX, (3)Texas A&M AgriLife Research, Lubbock, TX, (4)Texas Tech University, Texas A&M AgriLife Research and Extension Service, Lubbock, TX
Exhibits / Workshops

Wednesday, January 3, 2018

FLAG THE TECHNOLOGY EXHIBIT
3rd Floor Foyer (near registration desk) (Marriott Rivercenter Hotel) - 12:00 PM-5:00 PM
12:00 PM Flag the Technology: A Virtual Flag Field Trait Marking System Using Your Cell Phone
H. Ray Smith, BRS, College Station, TX and Todd Sink, Texas A&M University, College Station, TX

Thursday, January 4, 2018

FLAG THE TECHNOLOGY EXHIBIT
3rd Floor Foyer (near registration desk) (Marriott Rivercenter Hotel) - 8:00 AM-5:00 PM
12:00 PM Flag the Technology: A Virtual Flag Field Trait Marking System Using Your Cell Phone
H. Ray Smith, BRS, College Station, TX and Todd Sink, Texas A&M University, College Station, TX

Friday, January 5, 2018

DRONE WORKSHOP
Salon F (Marriott Rivercenter Hotel) - 8:00 AM-12:00 PM
The overall goal of the workshop is to introduce attendees to small unmanned aircraft systems (sUAS). It is estimated that 80% of commercial sUAS users will be in agriculture. This workshop will focus on risk-based trainings for current and future commercial users of this emerging technology. The workshop will include presentations on aircraft systems and a workflow demonstration since most initial users are uneasy about the technology. Participants should achieve an improved understanding of flight regulations, types of platforms & sensors, data processing, potential agricultural uses, and liability issues related to UAS. Participants will also make improved decisions to match the best sUAS with their needs.

Workshop Presenters

James Robbins, Ph.D.
University of Arkansas
System Div. of Agric. CES
Professor/Ext. Specialist – Orn. Hort.

Joe Mari Maja, Ph.D.
Edisto Research and Education Center
Clemson University
Research Sensor Engineer

Rusty Rumley, Ph.D.
The National Agricultural Law Center
Senior Staff Attorney

Mengmeng Gu, Ph.D.
Texas A&M Agrilife
Assoc. Prof./Extension – Hort.

Workshop Outline

Topics

a. Liability/risk: (45min) negligence; nuisance/trespass; imagery/privacy; need to license; shooting down a drone; insurance?

b. Regulations to fly: 45 min
   1. Types of users: Hobby/recreational, Public, Commercial
   2. NOTAM: process & viewing current
   3. Preparation for Remote Pilot Certification (Part 107)

c. Types of aircraft: 30 min (adv. & disadv. of each)
   1. Rotary
   2. Fixed-wing

d. Types of sensors (20 min)

e. Software (30 min)

f. Flight demonstration (1hr)
   1. Attendees (5) demonstrate (15 min)
   2. We demonstrate the workflow: flight, image capture, and viewing (45 min)
Support Material for ‘Drone’ Risk Management Workshops

This workshop is supported by a grant from the Southern Extension Risk Management Education Center (SRMEC), the USDA National Institute of Food and Agriculture Award Number 2015-49200-24228.

Recorded Presentations

The Beltwide Cotton Conferences (BWCC) continue the tradition of putting leading edge information and innovations into attendees’ hands to help with decision-making. The full 2018 BWCC Proceedings are scheduled to be mailed in May to attendees who purchase them. However, many of the forum’s reports - gleaned from the Confex Podium presentation management/ recording service - are available online.*

The National Cotton Council is pleased to make these presentations and papers available to the cotton industry through the Confex Podium web site. To view presentations and papers on the computer, all that is needed is a high-speed Internet connection.

These can be viewed by selecting the 2018 Recorded Presentations tab at the BWCC website home page, www.cotton.org/beltwide or use this QR Code.

Session Example: After clicking on the recording link, scroll down and click on a session of interest. Next, scroll down to a presentation you want to listen to and click. The presentation you selected will be downloaded to your computer. (Note: first time users may need to download some additional software to hear and see the selected presentation.)

*The Confex Podium presentation service has been available to Beltwide speakers and attendees since the 2006 BWCC. The primary goal is to enable attendees timely access to a wide range of conference presentations prior to the published proceedings - including reports they did not hear at the conferences and reports they did hear but want to review.

Internet Café and Wi-Fi

Wi-Fi Address: Beltwide2018
NEW ORLEANS

2019 Beltwide Cotton Conferences

January 8-10 - New Orleans, Louisiana
New Orleans Marriott Hotel
Special thanks to the GEORGIA FARM BUREAU for providing the peanuts in the registration area.

http://www.gfb.org

The following various Beltwide activities and services are provided by the Beltwide Cotton Conferences and the National Cotton Council.

• Beltwide Conference Audio/Visual
• Printed Program
• Beltwide Mobile Web Site