Beltwide Cotton Conferences

January 5-7, 2021
Virtual Live-Stream Event
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<th>Time</th>
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<td>8:00a-12:05p</td>
<td>Consultants Conference General Session</td>
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<td>8:00a-5:00p</td>
<td>Technical Conferences Poster Board Session</td>
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<td>1:00p-3:00p</td>
<td>Cotton Agronomy, Physiology &amp; Soils Conference</td>
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<td>Cotton Disease Council - Student Paper Competition</td>
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<td>Cotton Economic Outlook Symposium</td>
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<td>Break - Beltwide Sponsor Advertisements</td>
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**Thursday, January 7, 2021**

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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.

### Accrediting Group or State

| Certified Crop Adviser (CCA) Program | American Society of Agronomy (Soil Science Society of America), 5585 Guilford Road, Madison, WI 53711-5801 (National) Certification Representative—Certification Programs; Phone: 608-268-4953; Fax: 608-273-2081; Toll Free Number: 866-359-9161; Email: ledwardson@sciencesocieties.org |
| Alabama Department of Agriculture & Industries, Pesticide Management ~ Certification Unit; 1445 Federal Drive, Montgomery, AL 36107; Phone: 334-240-7240; Fax: 334-240-7168; Email: Barbara.gates@agi.alabama.gov |
| Arizona Department of Agriculture, Office of Pest Management; 1688 West Adams, Phoenix, AZ 85007; Phone: 602-255-3662; Email: rwalker@azda.gov |
| Arkansas Charles E. Denver, Denver Crop Consultants; P.O. Box 304, Watson, AR 71674; Phone: 870-866-2335; Fax: 870-644-3254; Email: cdagri@hotmail.com |
| California Department of Pesticide Regulation; P.O. Box 1379, Sacramento, CA 95812; Phone: 916-445-3914; Fax: 916-928-0705; Email: info4ce@cecpm.com |
| Georgia Department of Agriculture; 19 Martin Luther King, Jr. Dr., Room 410, Atlanta, GA 30334; Phone: 404-656-4960; Fax: 404-657-8378; Email: Adrean.Rhodes@agr.georgia.gov |
| Louisiana Department of Agriculture & Forestry, Office of Agricultural & Environmental Sciences; 5825 Florida Blvd. Ste. 3003, Baton Rouge, LA 70806-4259; Phone: 225-925-3763; Fax: 225-237-5725; Email: kevin_w@ldaf.state.la.us; Web: www.ldaf.state.la.us |
| Mississippi Department of Agriculture & 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: russellk@mdac.ms.gov (or) AnnaA@mdac.ms.gov |
| New Mexico Department of Agriculture, Cert. & Training Specialist; 190 S. Espina, MSC 3AQ, Box 30005, Las Cruces, NM 88003-8005; Phone: 575-646-4837; FAX: 575-646-1540; Email: pesticides@nmda.nmsu.edu |
| North Carolina Pesticide Section, NCDA & CS; 1090 Mail Service Center, Raleigh, NC 27699-1090; Phone: 919-857-4133; FAX: 919-733-9796; Email: John.Feagans@ncagr.gov |
Oklahoma Pesticide Certification & 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: ryan.williams@ag.ok.gov

South Carolina Special Programs Manager/Recertification Manager Department of Pesticide Regulation Division of Regulatory & Public Service Programs 511 Westinghouse Road, Pendleton, SC 29670; Phone: 864-646-2150; Fax: 864-646-2179; Email: thghslr@clemson.edu

Tennessee 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: mary.borthick@tn.gov

Texas 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: recertcourses@texasagriculture.gov; Phone: 512-463-8713
CONSULTANTS CONFERENCE GENERAL SESSION
8:00 AM-12:05 PM

8:00 AM  Introduction and Acknowledgements
Hank Jones, Chairman Consultants Conference, Winnsboro, LA

8:05 AM  Sponsor Message from Bayer
David W Albers, Bayer Crop Science, St. Louis, MO

8:10 AM  Sponsor Message from PhytoGen
Joel C Faircloth, PhytoGen Seed Company, LLC, Clemmons, NC

8:15 AM  Sponsor Message from FMC
Eric Castner, FMC, Pauls Valley, OK

8:20 AM  Sponsor Message from Syngenta
Jeff Mink, Syngenta, Collierville, TN

8:25 AM  Sponsor Message from BASF
Steve Nichols, BASF, Lubbock, TX

8:30 AM  Weather Forecasting
Eric Snodgrass, Nutrien Ag Solutions, Champaign, IL

9:15 AM  Physiological Aspects of Cotton Fruit Shed
John L. Snider, University of Georgia, Tifton, GA

10:00 AM Break - Beltwide Sponsor Advertisements

10:30 AM Update on EPA's Pesticide Program Activities
Michael L. Goodis, P.E., U.S. Environmental Protection Agency, Washington, DC

11:10 AM Bt Resistance Management Panel (A)
Rogers Leonard, Louisiana State University Ag Center, Baton Rouge, LA

11:26 AM Bt Resistance Management Panel (B)
David Kerns, Texas A&M University, College Station, TX

11:43 AM Bt Resistance Management Panel (C)
Jeff Gore, Mississippi State University, Stoneville, MS

12:00 PM Closing Remarks
Hank Jones, Chairman Consultants Conference, Winnsboro, LA

COTTON AGRONOMY, PHYSIOLOGY & SOILS -
TUESDAY EARLY AFTERNOON
1:00 PM-3:00 PM

1:00 PM  Evaluation of Cotton Nutrient Content Under Various Soil-Applied Fertility Programs
Andrea J Althoff1, Bradley R. Wilson1, Cayden B. Catlin1, Brian Arnall1, Katie L. Lewis1 and Seth A. Byrd1, (1)Oklahoma State University, Stillwater, OK, (2) Texas A&M AgriLife Research Center, Lubbock, TX
1:15 PM  Agronomic Effects of Various Small Grain Cover Crops on Dryland Cotton Production in Oklahoma
Bradley R. Wilson1, Cayden B. Catlin1, Andrea J Althoff1, Jason Warren1, Bobby Weidenmaier2 and Seth A. Byrd1, (1)Oklahoma State University, Stillwater, OK, (2)Oklahoma State University, Fort Cobb, OK

1:30 PM  Impact of Row Spacing and Variety on Cotton Fruit Distribution and Yield
Steven D. Hall1, Darrin M. Dodds1, Brian K. Perialisi2, Bradley Norris1, William J Rutland1, Jacob P. McNeal1 and John J. Williams1, (1)Mississippi State University, Mississippi State, MS, (2)Mississippi State University, Starkville, MS

1:45 PM  A New Technique for Informing the Cotton Replanting Decision
Enrique Martinez, North Carolina State University, Raleigh, NC, Jason K Ward, NC State University, Raleigh, NC and Guy D. Collins, NC State University, Rocky Mount, NC

2:00 PM  The Effects of Residual Herbicide Injury and Seed Quality on Cotton Growth, Development, and Yield
Mitchell K Williams1, Keith L. Edmisten2, Guy D. Collins3, Lori Unruh Snyder1, Charlie Cahoon1, Emily H Griffith1, Phillip S. Lassiter2 and Ethan R Foote1, (1) North Carolina State University, Sanford, NC, (2)North Carolina State University, Raleigh, NC, (3)North Carolina State University, Rocky Mount, NC

2:15 PM  Cover Crop Management to Optimize Yield of 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 and J. Wayne Keeling, Texas A&M AgriLife Research Center, Lubbock, TX

2:30 PM  Tracking Maturity Rates in Cotton Subjected to Different Nitrogen Treatments Using Multi-Spectral Aerial Imagery: Predicting Yield and Time of Harvest
Vaishali Swaminathan1, J. Alex Thomasson2, Nithya Rajan1, Amrit Shrestha1, Jeff Siegfried1, Xiongzhe Han1 and Karem Meza Capcha1, (1)Texas A&M University, College Station, TX, (2)Mississippi State University, Starkville, MS, (3)Kangwon National University, Chuncheon, Korea, Republic of (South)

COTTON AGRONOMY, PHYSIOLOGY & SOILS - TUESDAY LATE AFTERNOON

3:30 PM-5:00 PM

3:30 PM  Nitrogen Dynamics Following Cover Crops in Texas High Plains Cotton
Joseph Alan Burke, Texas A&M University, College Station, TX, Katie L. Lewis, Texas A&M AgriLife Research and Extension Center, Lubbock, TX and Jamie Foster, Texas A&M AgriLife Research, Corpus Christi, TX

3:45 PM  Change in the Nutrient Acquisition and Root Characteristics over 70 Years of Breeding in Cotton
Jagdeep Singh, Audrey V. Gamble, Jenny Koebernick, Steve M Brown and Alvaro Sanz-Saez, Auburn University, Auburn, AL

4:00 PM  Spatial and Temporal Dynamics of Soil Nitrogen in Dryland Cotton in the Southern High Plains
Haibin Gu1, Wenxuan Guo1, Glen Ritchie1, Katie L. Lewis2, Sanjit Deb1 and Chenggang Wang1, (1)Department of Plant & Soil Science, Texas Tech University, Lubbock, TX, (2)Texas A&M AgriLife Research and Extension Center, Lubbock, TX, (3)Department of Agricultural and Applied Economics, Texas Tech University, Lubbock, TX
4:15 PM  Do Nitrogen and Calcium Play Nice in Cotton?
Amee Bumgardner, Texas Tech University, Lubbock, TX, Texas A&M AgriLife Research, Lubbock, TX, Katie Lewis, Texas A&M AgriLife Research and Extension Center, Lubbock, TX, Glen Ritchie, Texas Tech University, Lubbock, TX and Trey Cutts, Yara North America, Inc., Tampa, FL

Cotton Disease Council
COTTON DISEASE COUNCIL - STUDENT PAPER COMPETITION
1:00 PM-3:00 PM

1:00 PM  Fungicide Sensitivity and Screening of Target Spot in Tennessee Cotton
Ty Smith and Heather M Kelly, University of Tennessee, Jackson, TN

1:15 PM  Characterization of Seeding Wilting Symptoms Associated with Cotton Leafroll Dwarf Virus (CLRDV)
Divya Bhanu Sharma, University of Georgia, Tifton, GA

1:30 PM  The Influence of Root Knot Nematodes and Clrdv on Commercial Cotton Varieties in South, AL
Drew Schrimsher, Kathy Lawrence, Judith K Brown, Kara Gordon and Ashton Kate Turner, (1)Agri-AFC, LLC, Decatur, AL, (2)Auburn University, Auburn, AL, (3)University of Arizona, Tucson, AZ, (4)Auburn University, Auburn, AL

1:45 PM  Design and Implementation of a Robust Metric to Quantify Soilborne Fusarium Oxysporum f. Sp. Vasinfectum Race 4 Inoculum Density
Roy Davis, Thomas Isakeit and Thomas M. Chappell, Texas A&M University, College Station, TX

2:00 PM  Screening Commercial Cotton Varieties for Fusarium Wilt and Root-Knot Nematode Resistance
Jessica Dotray, Cecilia Monclova-Santana, Terry A. Wheeler, Jennifer Chagoya and Jonathan Shockey, (1)Texas Tech University, Lubbock, TX, (2)Texas A&M AgriLife Extension, Lubbock, TX, (3)Texas A&M AgriLife Research, Lubbock, TX, (4)Texas A&M AgriLife Extension Service, Lubbock, TX

2:15 PM  Augmented Fertilizer and Nematicide Combinations Applied on Upland Cotton to Increase Yield in Rotylenchulus Reniformis and Meloidogyne Incognita Populated Fields.
Kara Gordon, Kathy Lawrence, Brad Meyer and Drew Schrimcher, (1) Auburn University, Auburn University, AL, (2)GreenPoint Ag, Decatur, AL, (3)GreenPoint Ag, Slocomb, AL

2:30 PM  Evaluation of Root Knot and Reniform Nematode Resistant PhytoGen Cotton Cultivars with Supplemental Corteva Agriscience Nematicides
Ashton Kate Turner, Kathy Lawrence and John Richburg, (1)Auburn University, Auburn, AL, (2)Corteva Agriscience, Headland, AL

2:45 PM  An Assessment of Small Grain Cover Crops as Potential Rotation Crops for Root-Knot and Reniform Nematode Infested Alabama Cotton Fields
Sloane McPeak, Auburn University, Auburn, AL, Kathy Lawrence, Auburn University, Auburn University, AL and Dustin Herb, OreGro Seeds Inc., Albany, OR
COTTON DISEASE COUNCIL - TUESDAY LATE AFTERNOON
3:45 PM-5:00 PM

3:45 PM  Variety Response to Verticillium Wilt and Bacterial Blight in the Southern High Plains of Texas
Terry A. Wheeler, Texas A&M AgriLife Research, Lubbock, TX and Jane K Dever, Texas A&M AgriLife Research and Extension Center, Lubbock, TX

4:00 PM  Understanding the Genomic Diversity and Pathogenicity of Cotton Fusarium Wilt
Libo Shan, Texas A&M University, College Station, TX

4:15 PM  FOV4 Inoculum Density Dynamics and Year-to-Year Variation in Fusarium Wilt Risk
Thomas M. Chappell, Thomas Isakeit and Roy Davis, Texas A&M University, College Station, TX

4:30 PM  FOV4 and Fusaria Causing Symptoms in Cotton
Cecilia Monclova-Santana, Texas A&M AgriLife Extension, Lubbock, TX

COTTON ECONOMIC OUTLOOK SYMPOSIUM
1:00 PM-3:00 PM

1:00 PM  Cotton Marketer of the Year Award
O.A. Cleveland, Mississippi State University, Mississippi State, MS

1:30 PM  Update on U.S. Ag Policy
Bart L. Fischer, Texas A & M University, College Station, TX

2:00 PM  U.S. Cotton Market Outlook
Jody Campiche, National Cotton Council of America, Cordova, TN

2:30 PM  International Cotton Outlook
Stephen MacDonald, USDA-OCE, Washington, DC

COTTON ECONOMICS AND MARKETING - TUESDAY LATE AFTERNOON
3:30 PM-5:00 PM

3:30 PM  COVID & Cotton Supply Chains
Jon Devine, Cotton Incorporated, Cary, NC

3:50 PM  A Tarrifying Thought: Imposing Tariffs on U.S. Apparel Imports from China
Bing Liu¹, Darren Hudson¹ and Jon Devine², (¹)Texas Tech University, Lubbock, TX, (²)Cotton Incorporated, Cary, NC

4:10 PM  COVID-19 and Cotton Demand in China: Implications for U.S. Exports
Andrew Muhammad¹, Aaron Smith¹ and Edward Yu², (¹)University of Tennessee, Knoxville, TN, (²)UTIA, Knoxville, TN

4:30 PM  Economic Impacts of the COVID19 Pandemic on Tennessee Cotton Producers and Rural Economies
Aaron Smith, Burt English, Jamey Menard, David Hughes and Kim Jensen, University of Tennessee, Knoxville, TN
Cotton Engineering-Systems Conference

COTTON ENGINEERING-SYSTEMS - TUESDAY EARLY AFTERNOON
1:00 PM-3:00 PM

1:00 PM  Introductory Remarks

1:15 PM  Using Information from the John Deere Cotton HID System to Aid in Making Production Decisions
Luke McLeod Fuhrer¹, Wesley M Porter¹, Edward M. Barnes², Simerjeet Virk¹, Glen C. Rains¹, John L. Snider¹, Amanda R Smith³, Yangxuan Liu³ and Chaz Holt⁴, (1)University of Georgia, Tifton, GA, (2)Cotton Incorporated, Cary, NC, (3)Extension Economists, Department of Agricultural & Applied Economics, Tifton, GA, (4)Quail Forever, St. Paul, MN

1:30 PM  Real-Time Calibrated Cotton Yield Monitor
Jianing He, Texas A&M University, College Station Texas, TX

1:45 PM  Design and Test Different End Effectors for Robotic Cotton Harvesting
Hussein Gharakhani, Texas A&M University, College Station, TX and J. Alex Thomasson, Mississippi State University, Starkville, MS

2:00 PM  Variability in Non-Fiber Materials Assessed Using Cotton Fiber Quality Mapping
Lucas Mitchell¹, Jason K Ward³ and Edward M. Barnes², (1)NC State University, Raleigh, NC, (2)Cotton Incorporated, Cary, NC

2:15 PM  Real-Time Weed Detection and Removal Using Deep Learning and Laser
Canicius Mwitta and Glen C. Rains, University of Georgia, Tifton, GA

2:30 PM  UAS Multispectral Image Based Detection of 2,4-D Injury in Cotton
Ubaldo Torres, Texas Tech University, Lubbock, TX, Peter A. Dotray, Texas Tech University, Texas A&M AgriLife Research and Extension Service, Lubbock, TX, Kyle Russell, Texas A&M AgriLife Research, Lubbock, TX, Wexuan Guo, Texas Tech University, Lubbock, TX, Department of Plant & Soil Science, Texas Tech University, Lubbock, TX and Murilo Maeda, Texas A&M AgriLife Extension, Lubbock, TX

2:45 PM  Variety Trial Validation: A Framework to Incorporate on-Farm Data
Raul Sebastian¹, Robert G. Hardin¹, Edward M. Barnes², Jason K Ward¹, Wesley M Porter¹, Michael T. Plumblee¹ and John D. Wanjura¹, (1)Texas A&M University, College Station, TX, (2)Cotton Incorporated, Cary, NC, (3)NC State University, Raleigh, NC, (4)University of Georgia, Tifton, GA, (5)Clemson University, Blackville, SC, (6)USDA-ARS Cotton Production and Processing Research Unit, Lubbock, TX
Tuesday, January 5, 2021

COTTON ENGINEERING-SYSTEMS - TUESDAY LATE AFTERNOON
3:30 PM-5:00 PM

3:30 PM  Opportunities for Robotic Systems and Automation in Cotton Production
Edward M. Barnes1, Gaylon Morgan1, Kater Hake1, Jon Devine1, Ryan W Kurtz2, Terry W Griffin2, Gregory Ibendahl2, Ajay Shard2, Glen C. Rains2, John L. Snider3, Joe Mari J. Maja4, James A. Griffin5, Robert G. Hardin6, Emi Kimura7, J. Alex Thomasson5, Hussein Gharakhani8, Yuzhen Lu9, Tyson B Raper10, Sierra Young11, Kadeghe Goodluck Fue11, Mathew G. Pelletier12, John D Wanjura12 and Greg A. Holt12, (1)Cotton Incorporated, Cary, NC, (2)Kansas State University, Manhattan, KS, (3)University of Georgia, Tifton, GA, (4)Clemson University, Blackville, SC, (5)Texas A&M Cotton Extension, College Station, TX, (6)Texas A&M University, College Station, TX, (7)Texas A&M AgriLife Research and Extension Service, Vernon, TX, (8)Mississippi State University, Starkville, MS, (9)Mississippi State University, Mississippi State, MS, (10)University of Tennessee, Jackson, TN, (11)North Carolina State University, Raleigh, NC, (12)USDA-ARS Cotton Production and Processing Research Unit, Lubbock, TX

3:45 PM  Mobile Robot Weeder and Harvester Prototype for Cotton Production
Joe Mari J. Maja1, Matthew Cutulle2, Jake Enloe3, Jakob Weber3 and Edward M. Barnes4, (1)Clemson University, Blackville, SC, (2)Clemson University, Charleston, SC, (3)Clemson University, Clemson, SC, (4)Cotton Incorporated, Cary, NC

4:00 PM  Modern Geospatial Technologies for Cotton Irrigation Management
Kelly R. Thorp1, Diaa Elshikha1, Duke Pauli2 and Pedro Andrade-Sanchez3, (1)USDA-ARS, Maricopa, AZ, (2)University of Arizona, Tucson, AZ, (3)University of Arizona, Maricopa, AZ

4:15 PM  On-Farm Demonstration of Sensor-Based Irrigation Scheduling in South Carolina
Jose Payero1, Bayleah Cooper1, Rebecca Hitchcock Davis2, Jonathan K Croft3, Nathan B Smith1 and Michael W. Marshall1, (1)Clemson University, Blackville, SC, (2)Clemson University, Bamberg, SC, (3)Clemson University, Orangeburg, SC, (4)Clemson University, Columbia, SC, (5)Clemson University - Edisto REC, Blackville, SC

Cotton Improvement Conference
COTTON IMPROVEMENT - TUESDAY EARLY AFTERNOON
1:00 PM-3:00 PM

1:00 PM  Welcoming Remarks

1:05 PM  The Mystery Solved: A-Genome Origin of Cultivated Diploid and Tetraploid Cottons
John Z Yu, USDA-ARS, College Station, TX

1:20 PM  Cottongen: A Central Data Repository and Analysis Resource for Cotton Community
Jing Yu1, Don Jones2 and Dorrie Main1, (1)Washington State University, Pullman, WA, (2)Cotton Incorporated, Cary, NC
1:35 PM  Partnerships for Data Innovation (PDI) Cotton
Christopher D. Delhom1, Mauricio Ulloa2, James R. Mahan3, Edward M. Barnes4, Ryan W Kurtz4, Gaylon Morgan4, Tina Gray Teague5, Lindsey Messinger6, Grant Zoch7, Bruce Vandenbergen8 and Michael D. Buser9, (1) USDA-ARS, New Orleans, LA, (2) USDA-ARS, PA, CSRL, Plant Stress and Germplasm Development Research, Lubbock, TX, (3) USDA/ARS, Lubbock, TX, (4) Cotton Incorporated, Cary, NC, (5) Ark State Univ / Univ Ark Agri Exp Sta, State University, AR, (6) USDA-ARS, Fort Collins, CO, (7) USDA Agricultural Research Service, Beltsville, MD

1:50 PM  Development of Core Collections to Better Utilize Available Diversity within the U.S. National Cotton Germplasm Collection
Lori Hinze and James Frelichowski, USDA-ARS, College Station, TX

2:05 PM  Status of the National Cotton Germplasm Collection
James Frelichowski1, Janna Love1, Lori Hinze1, Joshua Udall1, Don Jones2 and Jodi Scheffler3, (1) USDA-ARS, College Station, TX, (2) Cotton Incorporated, Cary, NC, (3) USDA ARS, Stoneville, MS

2:20 PM  Development of a Cotton Yield Component Index
Fred M. Bourland1, Don Jones2 and Edward M. Barnes2, (1) University of Arkansas-NEREC, Keiser, AR, (2) Cotton Incorporated, Cary, NC

2:45 PM  Discussion

COTTON IMPROVEMENT - TUESDAY LATE AFTERNOON
3:30 PM-5:00 PM

3:30 PM  Deltapine Class of 21 Cotton Varieties
David W Albers, Bayer Crop Science, St. Louis, MO, Keylon Gholston, Bayer Crop Science, Baldwyn, MS, Darren Jones, Bayer Crop Science, Lubbock, TX and Dawn Fraser, Bayer Crop Science, Mount Olive, NC

3:45 PM  Latest Nexgen Varieties for 2021
Douglas J. Jost, Americot, Garden City, TX

4:00 PM  Dyna-Gro Varieties for 2021
Frank Groves, Nutrien, Little Rock, AR

4:15 PM  New Variety Offerings from BASF for 2021
Cody W Mull, BASF, Idalou, TX

4:30 PM  New Variety Advances from BASF for 2021

4:45 PM  Discussion

Sustainability

COTTON SUSTAINABILITY - TUESDAY EARLY AFTERNOON
1:00 PM-3:00 PM

1:00 PM  Opportunities for Soil Health and Regenerative Agriculture in Cotton
Cristine Morgan, Soil Health Institute, Morrisville, NC

1:30 PM  Building Microbial Diversity in Semi-Arid Cotton Production Systems for Soil Health - What Is Achievable?
John Zak, Texas Tech University, Lubbock, TX

2:00 PM  Impact of Conservation Management Practices on Soil Health in Cotton-Based Cropping Systems
Sindhu Jagadamma1, Lori Duncan1 and Tyson B Raper2, (1) University of Tennessee, Knoxville, TN, (2) University of Tennessee, Jackson, TN
Arlene Adviento AdvientoBorbe, DWMRU USDA-ARS, State University, AR, Benjamin M Levenbach, Arkansas State University, Jonesboro, AR, Richard Woodruff, University of Arkansas, University Park, AR, Tina Gray Teague, Ark State Univ / Univ Ark Agri Exp Sta, State University, AR and Michele L. Reba, USDA-ARS, Jonesboro, AR

2:30 PM  Soil Health - Grower Panel Discussion
Gaylon Morgan, Cotton Incorporated, Cary, NC

COTTON SUSTAINABILITY - TUESDAY LATE AFTERNOON
3:30 PM-5:00 PM

3:30 PM  Increasing Soil Health Building Practices through Smartphone Apps
Kater Hake, Cotton Incorporated, Cary, NC

4:00 PM  Lessons Learned from 40 Years of Increasing the Water Productivity of U.S. Cotton
Edward M. Barnes, Cotton Incorporated, Cary, NC

4:30 PM  U.S. Cotton NASS Pesticide and Fertilizer Trends
Steven Pires, Cotton Incorporated, Cary, NC
COTTON AGRONOMY, PHYSIOLOGY & SOILS - WEDNESDAY EARLY MORNING
8:00 AM-10:00 AM

8:00 AM  The Influence of Application Timing on Harvest Aid Efficacy and Fiber Quality
Cayden B. Catlin1, Wade Young1, Bradley R. Wilson1, Andrea J Althoff1, John M Long1, Hailin Zhang1, Bobby Weidenmaier2 and Seth A. Byrd1, (1)Oklahoma State University, Stillwater, OK, (2)Oklahoma State University, Fort Cobb, OK

8:15 AM  Herbicide Drift Injury Mapping and Yield Loss Prediction in Cotton Using Remote Sensing Tools
Bishwa Sapkota1, Zachary Howard1, Scott Nolte1, Nithya Rajan1, Peter A. Dotray2, Gaylon Morgan1 and Muthukumar V Bagavathiannan1, (1)Texas A&M University, College Station, TX, (2)Texas Tech University, Texas A&M AgriLife Research and Extension Service, Lubbock, TX, (3)Cotton Incorporated, Cary, NC

8:30 AM  Cotton Defoliation as Affected by Droplet Size and Carrier Volume
Jacob P. McNeal1, Darrin M. Dodds2, Brian K. Perialisi2, Greg R. Kruger2, Bradley Norris1, John J. Williams1, William J Rutland1 and Steven D. Hall1, (1)Mississippi State University, Starkville, MS, (2)University of Nebraska - Lincoln, North Platte, NE

8:45 AM  Vegetation Indices to Quantify in-Field Cotton Yield Variability
Jeff Siegfried1, Nithya Rajan1, Curtis B. Adams2, Steve Hague1, Robert G. Hardin1 and Ronnie Schnell1, (1)Texas A&M University, College Station, TX, (2)Texas A&M AgriLife Research, Vernon, TX, (3)Texas A&M AgriLife Extension Service, College Station, TX

9:00 AM  Assessment of Auxin-Injured Cotton Using Vegetative Indices to Predict Yield Penalties
Savana D Denton1, Tyson B Raper1, Darrin M. Dodds2, Chris L Main3 and Freeman Brown1, (1)University of Tennessee, Jackson, TN, (2)Mississippi State University, Mississippi State, MS, (3)PhytoGen, Medina, TN

COTTON AGRONOMY, PHYSIOLOGY & SOILS - WEDNESDAY LATE MORNING
10:30 AM-12:00 PM

10:30 AM  Effect of Planting Date, Seeding Rate, and Seed Size on Cotton Growth and Yield
Matthew D Inman, Clemson University, Florence, SC

10:45 AM  Planting Date Effects on Cotton Lint Yield and Fiber Quality in the U.S. Southern High Plains
Steven A Mauguet, USDA-ARS, Lubbock, TX, Mauricio Ulloa, USDA-ARS, PA, CSRL, Plant Stress and Germplasm Development Research, Lubbock, TX and Jane K Dever, Texas A&M AgriLife Research and Extension Center, Lubbock, TX
Wednesday, January 6, 2021

11:00 AM A Beltwide Seed Quality Survey; An Extension Cotton Specialists Project
Murilo Maeda1, Steve M Brown2, Seth A. Byrd3, D. Scott Carlson4, Kent Chapman5, Guy D. Collins6, Keith Edmisten7, Phillip Edwards8, Hunter Frame9, Guy Hancock10, Michael A. Jones11, Jeremy M. Kichler12, Benjamin M. McKnight13, Calvin D Meeks14, Gaylon Morgan15, Randy Norton16, Brian K. Perialisi17, Tucker Price18, Tyson B Raper19, Bill Robertson20, Tyler Sandlin21, John L. Snider22, Lori Unruh Snyder23 and David L. Wright24, (1)Texas A&M AgriLife Extension, Lubbock, TX, (2)Auburn University, Auburn, AL, (3)University of California, Davis, CA, (4)University of Georgia Cooperative Extension, Tifton, GA, (5)University of North Texas, Denton, TX, (6)North Carolina State University, Raleigh, NC, (7)North Carolina State University, Raleigh, NC, (8)Virginia Polytechnic Institute & State University, Blacksburg, VA, (9)University of Georgia, Athens, GA, (10)Clemson University, Florence, SC, (11)University of Georgia Cooperative Extension, Moultrie, GA, (12)Texas A&M AgriLife Extension, Lubbock, TX, (13)Texas A&M University, College Station, TX, (14)Virginia Polytechnic Institute & State University, Blacksburg, VA, (15)Clemson University, Florence, SC, (16)University of North Texas, Denton, TX, (17)University of Georgia, Athens, GA, (18)Clemson University, Florence, SC, (19)Texas A&M University, College Station, TX, (20)Texas A&M University, College Station, TX, (21)University of North Texas, Denton, TX, (22)University of Florida, Quincy, FL

11:15 AM A Beltwide Evaluation of Cotton Seed Quality Parameters
Lori Unruh Snyder1, Steven M Brown2, Seth A. Byrd3, Kent D. Chapman4, Guy D. Collins5, Michael K. Dowd6, Keith Edmisten1, Hunter Frame7, Michael A. Jones8, Murilo Maeda9, Ben McKnight10, Calvin D Meeks11, Gaylon Morgan12, Randy Norton13, Brian K. Perialisi14, Tyson B Raper15, Bill Robertson16, Tyler Sandlin17, John L. Snider18 and David L. Wright19, (1)North Carolina State University, Raleigh, NC, (2)Auburn University, Auburn, AL, (3)Oklahoma State University, Stillwater, OK, (4)University of North Texas, Denton, TX, (5)North Carolina State University, Rocky Mount, NC, (6)USDA-ARS Southern Regional Research Center, New Orleans, LA, (7)Virginia Polytechnic Institute & State University, Blacksburg, VA, (8)Clemson University, Florence, SC, (9)Texas A&M AgriLife Extension, Lubbock, TX, (10)Texas A&M University, College Station, TX, (11)University of Missouri, Portageville, MO, (12)Cotton Incorporated, Cary, NC, (13)University of Arizona, Safford, AZ, (14)Mississippi State University, Starkville, MS, (15)University of Tennessee, Jackson, TN, (16)University of Arkansas, Newport, AR, (17)Auburn University, Belle Mina, AL, (18)University of Georgia, Tifton, GA, (19)University of Florida, Quincy, FL

11:30 AM Leaf Osmotic Potential and Morphological Traits of 43 Cotton Varieties Growing in a Rainfall Gradient from Southwest to Central Texas
Xuejun Dong, Texas A&M AgriLife Research, Uvalde, TX and Dale A. Mott, Texas A&M AgriLife Extension Service, College Station, TX

11:45 AM Preliminary Results of an on-Farm Irrigation Scheduling Demonstration Using Canopy Temperature and Soil Probes
James R. Mahan, USDA/ARS, Lubbock, TX and Paxton Payton, United States Department of Agriculture, Lubbock, TX

COTTON AGRONOMY, PHYSIOLOGY & SOILS - WEDNESDAY EARLY AFTERNOON

1:00 PM Effects of Cultivar, Irrigation Management, and PGR Strategy on Cotton Yield and Maturity
John L. Snider1, George Vellidis1, Alessandro Ermanis2, Lorena N. Lacerda3, Yafit Cohen4 and Guy D. Collins5, (1)University of Georgia, Tifton, GA, (2)University of Padova, Legnaro, Italy, (3)Agricultural Research Organization (ARO), Bet-Dagan, Israel, (4)North Carolina State University, Rocky Mount, NC
Wednesday, January 6, 2021

1:15 PM  Impacts of Moderate Deficit Irrigation on Pima Versus Up-land Cotton Varieties
Robert B Hutmacher, University of California Cooperative Extension, Five Points, CA, Mark Keeley, University of California Cooperative Extension, Shafter, CA and Jorge Angeles, University of CA Plant Sci Dept, Five Points, CA

1:30 PM  Estimating Cotton Stand Count Using UAV-Based Imagery
Ahmed Harb Rabia, Department of Plant & Soil Science, Texas Tech University, Lubbock, TX, Department of Natural Resources & Agricultural Engineering, Faculty of Agriculture, Damanhour University, Damanhour, Egypt, Zhe Lin, Texas Tech University, Department of Plant and Soil Science, Lubbock, TX and Wenxuan Guo, Department of Plant & Soil Science, Texas Tech University, Lubbock, TX, Texas Tech University, Lubbock, TX

1:45 PM  Predicting Optimal Nitrogen Rate Using NDVI and UAV’s in the Upper Southeast Coastal Plain
Hunter Frame, Virginia Tech Tidewater Agricultural Extension Center, Suffolk, VA

2:00 PM  Cotton Stand Count with UAS Imagery Using Image Processing Tools and Deep Learning Algorithm
Zhe Lin¹, Wenxuan Guo² and Ahmed Harb Rabia¹, (1)Department of Plant & Soil Science, Texas Tech University, Lubbock, TX, (2)Department of Plant & Soil Science, Texas Tech University, Lubbock, TX, Texas Tech University, Lubbock, TX

2:15 PM  Estimating the Time and Rate of Harvest Aid Chemicals Using an Unmanned Aircraft System
Juan Landivar, Texas A&M AgriLife Research, Corpus Christi, TX, Murilo Maeda, Texas A&M AgriLife Extension, Lubbock, TX, Anjin Chang, Texas A&M University - Corpus Christi, Corpus Christi, TX, Jinha Jung, Purdue University, West Lafayette, IN, Josh McGinty, Texas A&M AgriLife Extension Service, Corpus Christi, TX and Craig Bednarz, Texas A&M AgriLife Research and West Texas A&M University, Canyon, TX

2:30 PM  Unmanned Aerial System (UAS)-Based Plant Stand Monitoring for FOV4 Resistance Evaluation
Jinha Jung¹, Juan Landivar¹, Anjin Chang³, Jane K Dever⁴, John Zwonitzer⁵, Andrea Maeda⁴ and Murilo Maeda⁵, (1)Purdue University, West Lafayette, IN, (2)Texas A&M AgriLife Research, Corpus Christi, TX, (3)Texas A&M University - Corpus Christi, Corpus Christi, TX, (4)Texas A&M AgriLife Research, Lubbock, TX, (5)Texas A&M AgriLife Extension, Lubbock, TX

2:45 PM  Partnerships for Data Innovation (PDI) Cotton - Opportunities for Agronomic and Variety Data Aggregation and Visualization
Gaylon Morgan¹, Edward M. Barnes¹, Ryan W Kurtz², Tina Gray Teague², Christopher D. Delhom³, Lindsey Messinger⁴, Grant Zoch⁴, Michael D. Buser⁵, James R. Mahan⁶ and Bruce Vandenberg⁷, (1)Cotton Incorporated, Cary, NC, (2)Ark State Univ / Univ Ark Agri Exp Sta, State University, AR, (3)USDA-ARS, New Orleans, LA, (4)USDA-ARS, Fort Collins, CO, (5)USDA Agricultural Research Service, Beltsville, MD, (6)USDA/ARS, Lubbock, TX

COTTON AGRONOMY, PHYSIOLOGY & SOILS - WEDNESDAY LATE AFTERNOON

3:30 PM-5:00 PM

3:30 PM  The Effect of Gin Sampling Frequency on Cotton Variety Trial Results
Guy D. Collins¹, Keith L. Edmisten², Charlie Cahoon², Mitch K Williams³ and Lori Unruh Snyder², (1)NC State University, Rocky Mount, NC, (2)North Carolina State University, Raleigh, NC, (3)North Carolina State University, Sanford, NC
3:45 PM  Evaluation of STO-1106 to Reduce Heat Stress Related Fruiting Structure Loss
Michael D. Rethwisch1, Kassandra W. Allan1, Aaron Palmer2 and Grant Chaffin1, (1)University of California Cooperative Extension, Blythe, CA, (2) Bryce Farms, Blythe, CA, (3)Chaffin Farms, Blythe, CA

4:00 PM  Stalk Application as an Alternative Method of Applying Cotton Harvest Aids
Josh McGinty1, Gaylon Morgan2 and Clinton Livingston1, (1)Texas A&M AgriLife Extension Service, Corpus Christi, TX, (2)Cotton Incorporated, Cary, NC

4:15 PM  Evaluation of Stalk Destruction Programs for 2,4-D Tolerant Cotton in South Texas
Benjamin M. McKnight, Texas A&M University, College Station, TX, Josh McGinty, Texas A&M AgriLife Extension Service, Corpus Christi, TX, Danielle Sekula, Texas A&M AgriLife Extension Service, Weslaco, TX, Dale A. Mott, Texas A&M AgriLife Extension Service, College Station, TX and Gaylon Morgan, Cotton Incorporated, Cary, NC

4:30 PM  Effect of P and K Application Rate on Cotton Nutrient Removal Rates
Morteza Mozaffari, Northeast Research and Education Center -University of Arkansas of AR of Arkansas, Keiser, AR

4:45 PM  Effect of Timing and Rate of Application of Urea and ESN on Cotton
Morteza Mozaffari, Northeast Research and Education Center -University of Arkansas of AR of Arkansas, Keiser, AR

Cotton Disease Council

COTTON DISEASE COUNCIL - WEDNESDAY EARLY MORNING
8:00 AM-10:00 AM

8:00 AM  Root-Knot Nematodes Interact with Fov Race 4 and Increase Disease Severity in Three Cotton Varieties in Growth Chamber Assays
Tanya A Wagner1, Shayla M Davie1, Clint W Magill2 and Jinggao Liu3, (1) USDA-ARS-ICCDRU, College Station, TX, (2)Texas A&M University, College Station, TX, (3)USDA-ARS ICCDRU, College Station, TX

8:15 AM  Cropping System Effects on Cotton Variety Performance in the Presence of Root-Knot Nematodes in the Southern High Plains of Texas
Clay M Braden1, Donna M McCallister1, J. Wayne Keeling2, Will Keeling3 and Katie L. Lewis5, (1)Texas Tech University, Lubbock, TX, (2)Texas A&M AgriLife Research Center, Lubbock, TX, (3)Texas A&M AgriLife Extension, Lubbock, TX, (4)Texas A&M AgriLife Research and Extension Center, Lubbock, TX

8:30 AM  Development of Management Strategies to Reduce Meloidogyne Enterolobii Impacts in Cotton
Lindsey D. Thiessen, NC State University, Raleigh, NC

8:45 AM  Field-Level Nematode Damage Phenotyping in Row Crop Production Using Aerial Visual and Multi-Spectral Imagery
Chang Liu1, Ian Small2, Rebecca Barocco3, David L. Wright4, James Clohessy5 and Zane J. Grabau1, (1)University of Florida, Gainesville, FL, (2) University of Florida, Quincy, FL
9:00 AM  Beltwide Nematode Research and Education Committee: Field Performance of Seed- and Soil-Applied Nematicides, 2020
Travis R. Faske, University of Arkansas Division of Agriculture, Lonoke, AR, Thomas W. Allen, Mississippi State University, Delta Research and Extension Center, Stoneville, MS, Zane J. Grabau, University of Florida, Gainesville, FL, J. Hu, University of Arizona, Solomon, AZ, Robert Kemeronit, University of Georgia, Tifton, GA, David B. Langston, Virginia Tech, Suffolk, VA, Kathy Lawrence, Auburn University, Auburn, AL, John Mueller, Clemson University, Blackville, SC, Paul Price, Louisiana State University, Winnboro, LA, Lindsey D. Thiessen, NC State University, Raleigh, NC, Terry A. Wheeler, Texas A&M AgriLife Research, Lubbock, TX and Tessie H. Wilkerson, Mississippi State University, Stoneville, MS

COTTON DISEASE COUNCIL - WEDNESDAY LATE MORNING
10:30 AM-11:45 AM

10:30 AM  Status of Virus Diseases Infecting Cotton in the Mid-Southern States
Akhtar Ali, Department of Biological Science, The University of Tulsa, Tulsa, OK

10:45 AM  Incidence and Impact of Cotton Leaf Roll Dwarf Virus (CLRDV) in the USA Cotton Belt

11:00 AM  Occurrence of Cotton Leafroll Dwarf Disease as Impacted by Cotton Cultivar and Planting Date in Alabama
Amanda L Strayer-Scherer1, Austin K. Hagan2, Katherine Burch2, Kassie Conner2, Steven M Brown3, Marcio Zaccaron1, Jenny Koebernick1, H. Brad Miller4 and Don Moore5, (1)Auburn University, Auburn, AL, (2)Brewton Agricultural Research Unit, Brewton, AL, (3)Prattville Agricultural Research Unit, Prattville, AL

11:15 AM  Assessment of Yield Loss Attributed to Cotton Leafroll Dwarf Disease in Alabama Cotton.
Austin K Hagan1, Amanda Strayer-Scherer1, Katherine Burch2, Kassie Conner2, H. Brad Miller2, Clint Mclemyo3 and Jason Burkett4, (1)Auburn University, Auburn, AL, (2)Brewton Agricultural Research Unit, Brewton, AL, (3)Sand Mountain Research and Extension Center, Crossville, AL, (4)E. V. Smith Research Center, Talladale, AL

11:30 AM  Study of Cotton Leafroll Dwarf Virus in Mississippi: State of the Art (2020)
Nina Aboughanem1, Thomas W. Allen1, Tessie H. Wilkerson1, Jodi Scheffler2 and Sead Sabanadzovic1, (1)Mississippi State University, Mississippi State, MS, (2)USDA ARS, Stoneville, MS

COTTON DISEASE COUNCIL - WEDNESDAY EARLY AFTERNOON
1:00 PM-2:00 PM

1:00 PM  Genome Sequence of Cotton Leafroll Dwarf Virus (CLRDV) Infecting Cotton in Georgia, US
Afsha Tabassum, Sudeep Bag, Robert Kemeronit and Phillip Roberts, University of Georgia, Tifton, GA
Wednesday, January 6, 2021

COTTON ECONOMICS AND MARKETING - WEDNESDAY LATE MORNING

10:30 AM Consumers’ Willingness to Pay for Ethically Produced Cotton Apparel
Sawssan Boufous, Darren Hudson and Carlos Carpio, Texas Tech University, Lubbock, TX

10:50 AM Distributed Ledger Technology for the Cotton Supply Chain, Discussing Forthcoming Literature
Jessica A Richard, Oklahoma State University, Stillwater, OK and Terry W Griffin, Kansas State University, Manhattan, KS

11:10 AM Economic Analysis of High-Speed Roller Ginning
Pratima Bhandari, NMSU, Las Cruces, NM, Ram N Acharya, New Mexico State University, Las Cruces, NM and Carlos Armijo, USDA/ARS, Las Cruces, NM

COTTON ECONOMICS AND MARKETING - WEDNESDAY EARLY AFTERNOON

1:30 PM Regional Crop Enterprise and Farm Program Selection on Whole Farm Net Returns Under Risk
Michael A. Deliberto and Brian Hilbun, LSU AgCenter, Baton Rouge, LA

1:50 PM Economic and Risk Analysis Comparison of Cotton Tillage Systems with Different Irrigation Levels.
Francisco J Abello, Texas A&M AgriLife Extension Service, Vernon, TX, Paul DeLaune, Texas A&M AgriLife Research, Vernon, TX and Luis A. Ribera, Texas A&M University, College Station, TX

2:10 PM Risk Effects on Optimal Irrigation Strategies and Investment in Irrigation Technology for Cotton Under Climate Change
Wen Liu, University of Tennessee, Knoxville, TN

COTTON DISEASE COUNCIL - BUSINESS MEETING
2:00 PM-3:00 PM

Cotton Economics and Marketing Conference
10:30 AM Partnerships for Data Innovation (PDI) Cotton - the Potential for Precision Data Collection and Aggregation
Edward M. Barnes1, Gaylon Morgan1, Ryan W Kurtz1, Tina Gray Teague1, Christopher D. Delhom3, Michael D. Buser4, Mauricio Ulloa5, James R. Mahan6, Bruce Vandenberg7, Lindsey Messinger7 and Grant Zoch7, (1)Cotton Incorporated, Cary, NC, (2)Ark State Univ / Univ Ark Agri Exp Sta, State University, AR, (3)USDA-ARS, New Orleans, LA, (4)USDA Agricultural Research Service, Beltsville, MD, (5)USDA-ARS, PA, CSRL, Plant Stress and Germplasm Development Research, Lubbock, TX, (6)USDA/ARS, Lubbock, TX, (7)USDA-ARS, Fort Collins, CO

10:45 AM Evaluation of Maggrow Technology for Defoliating Cotton in Mississippi and Georgia
Simerjeet Virk1, Brian K. Peralisi2, Wesley M Porter1, Jeremy Register3, Gaylon Morgan4 and Edward M. Barnes4, (1)University of Georgia, Tifton, GA, (2)Mississippi State University, Starkville, MS, (3)UGA Cooperative Extension, Vienna, GA, (4)Cotton Incorporated, Cary, NC

11:00 AM Evaluating Planting Parameters for Fields with Highly Variable Soil Electrical Conductivity
John M Long, Gavin McCullough and Seth A. Byrd, Oklahoma State University, Stillwater, OK

11:15 AM Parameters for Drone Detection of Plastic Contamination in Cotton Fields
Cody D. Blake, USDA-ARS Cotton Ginning Research Lab, Stoneville, MS, Christopher D. Delhom, USDA-ARS, New Orleans, LA and Joe W. Thomas, USDA ARS, Stoneville, MS

11:30 AM Using Unmanned Aircraft Systems to Evaluate Application Timing of Harvest Aids in Stripper Cotton
William Wade Young, Cayden B. Catlin, Seth A. Byrd, Ning Wang and John M Long, Oklahoma State University, Stillwater, OK

11:45 AM Cotton Irrigation Scheduling Methods: Which Method Is a Best Fit? Wesley M Porter1, Calvin Perry2 and John L. Snider1, (1)University of Georgia, Tifton, GA, (2)Superintendent, Stripling Irrigation Research Park, University of Georgia, Camilla, GA
Wednesday, January 6, 2021

1:30 PM  The Cost of Ginning Cotton - 2019 Survey Results
Greg A. Holt, USDA-ARS Cotton Production and Processing Research Unit, Lubbock, TX, Harrison Ashley, National Cotton Council, Cordova, TN, J. Kelley Green, Texas Cotton Gainers Association, Austin, TX, Dennis S. Findley, Jr., Southeastern Cotton Gainers Association, Dawsonville, GA, Timothy L. Price, Southern Cotton Gainers Association, Memphis, TN and Roger A. Isom, California Cotton Gainers and Growers Association, Fresno, CA

1:45 PM  Update on Variety and Production Trends Impacting Seed Size
Jane K Dever, Texas A&M AgriLife Research and Extension Center, Lubbock, TX, Carol Mason Kelly, Texas A&M AgriLife Research, Lubbock, TX and Valerie Morgan, Texas, Lubbock, TX

2:00 PM  Update on the Cotton Ginning Data Standard
Edward M. Barnes¹, David Blakemore², Mathew G. Pelletier¹, John D Wanjura¹, Greg A. Holt¹, Harrison Ashley⁴, Robert G. Hardin¹, Jason K Ward⁶, Christopher D. Delhomme² and Paul A. Funk⁶, (¹)USDA-ARS Cotton Production and Processing Research Unit, Lubbock, TX, (²)USDA-ARS Southwestern Cotton Ginning Research Laboratory, Mesilla Park, NM, (³)USDA-ARS Cotton Production and Processing Research Unit, Lubbock, TX, (⁴)National Cotton Council, Cordova, TN, (⁵)Texas A&M University, College Station, TX, (⁶)NC State University, Raleigh, NC, (⁷)USDA-ARS, New Orleans, LA, (⁸)USDA-ARS Southwestern Cotton Ginning Research Laboratory, Mesilla Park, NM

2:15 PM  Plastic Contamination Mitigation Research Update 2020
Mathew G. Pelletier¹, Greg A. Holt¹, John D Wanjura¹, Paul A. Funk², Derek P. Whitelock², Carlos B. Armijo², Gabe J. Sweers² and Ross D. Rutherford⁵, (¹)USDA-ARS Cotton Production and Processing Research Unit, Lubbock, TX, (²)USDA-ARS Southwestern Cotton Ginning Research Laboratory, Mesilla Park, NM, (³)Bratney Companies, Des Moines, IA, (⁴)Lummus Ag Technology, Lubbock, TX

2:30 PM  An Integrated Module Feeder Monitoring System to Mitigate Plastic Contamination
John D Wanjura¹, Mathew G. Pelletier¹, Greg A. Holt¹, Edward M. Barnes², Jeffrey S Wigdahl³ and Nachem Doron⁴, (¹)USDA-ARS Cotton Production and Processing Research Unit, Lubbock, TX, (²)USDA-ARS Southwestern Cotton Ginning Research Laboratory, Mesilla Park, NM, (³)USDA-ARS Southwestern Cotton Ginning Research Laboratory, Mesilla Park, NM, (⁴)Tama Plastic Industry, Kibbutz Mishmar HaEmek, Israel

COTTON GINNING - WEDNESDAY LATE AFTERNOON

3:30 PM-5:15 PM

3:30 PM  Comparison of the Goldenlion Contamination Cleaner with Standard Seed Cotton Cleaning Machinery
Derek P. Whitelock¹, Carlos B. Armijo¹, Paul A. Funk¹, Mathew G. Pelletier², John D Wanjura², Greg A. Holt², Neha Kothari¹ and Vikki B. Martin³, (¹)USDA-ARS Southwestern Cotton Ginning Research Laboratory, Mesilla Park, NM, (²)USDA-ARS Cotton Production and Processing Research Unit, Lubbock, TX, (³)Lummus Ag Technology, Lubbock, TX, (⁴)Lummus Ag Technology, Savannah, GA

3:45 PM  Field Evaluation Update on the VIPR™ System
Ross D. Rutherford¹, David L. Arthur¹, Gabe J. Sweers¹ and Mark D. Cory¹, (¹)Lummus Ag Technology, Lubbock, TX, (²)Bratney Companies, Des Moines, IA, (³)Lummus Ag Technology, Savannah, GA

4:00 PM  Potential Textile Testing Methodologies to Support the Development of a Performance Standard for Round Module Wrap. Mary Ankeny¹, Vikki B. Martin¹, John D Wanjura¹, Suzanne Holmes¹, Matt Farrell¹ and Edward M. Barnes¹, (¹)USDA-ARS Cotton Production and Processing Research Unit, Lubbock, TX

4:15 PM  A Status Report on the State of the USDA-ARS Cotton Gin Research Unit (CGRU) at Stoneville, Mississippi
Joe W. Thomas, USDA ARS, Stoneville, MS and Christopher D. Delhom, USDA-ARS, New Orleans, LA
Wednesday, January 6, 2021

4:30 PM  Tama Update  
Mike Bieber, Tama USA, Boonville, MO

4:45 PM  John Deere C690 Calibrations: Round Module Weighing and Moisture Sensor  
Christopher Murray, John Deere Des Moines Works, Ankeny, IA

5:00 PM  Preliminary Study of the Behavior of Alternative Round Module Wrap Materials  
Christopher D. Delhom, USDA-ARS, New Orleans, LA, Cody D. Blake, USDA-ARS Cotton Ginning Research Lab, Stoneville, MS, John D Wanjura, USDA-ARS Cotton Production and Processing Research Unit, Lubbock, TX and Joe W. Thomas, USDA ARS, Stoneville, MS

Cotton Improvement Conference

COTTON IMPROVEMENT - WEDNESDAY EARLY MORNING  
8:00 AM-10:00 AM

8:00 AM  Use of the Dominant Male Sterility Gene (Ms) in Cotton Breeding  
Don L Keim, USDA-ARS, Leland, MS and Jodi Scheffler, USDA ARS, Stoneville, MS

8:15 AM  Progress Developing Improved Texas Upland Cotton Germplasm for Improved Yarn Quality  
C. Wayne Smith1, Eric F. Hequet2, Brendan Kelly3, Steve Hague1, Jake Gendron4 and Alexandra Ullrich5, (1)Texas A&M University, College Station, TX, (2)Texas Tech University, Lubbock, TX, (3)Texas A&M University, COLLEGE STATION, TX

8:30 AM  Genetic Variation in Seed Size and Fuzz Content in Commercial Cultivars and Breeding Lines of Upland Cotton  
Kyle Moore1, Yi Zhu1, Abdelraheem Abdelraheem1, Derek P. Whitelock2, Carlos B. Armijo3, Paul A. Funk4, Tom Wedegaertner1 and Jinaf Zhang1, (1)New Mexico State University, Las Cruces, NM, (2)USDA-ARS Southwestern Cotton Ginning Research Laboratory, Mesilla Park, NM, (3)Cotton Incorporated, Cary, NC

8:45 AM  Effects of Leaf and Bract Pubescence on Fiber Quality of Normal and Okra Leaf Cotton  
Bradley R. Wilson1, Jane K Dever2, Carol Mason Kelly3, Steve Hague4 and Seth A. Byrd5, (1)Oklahoma State University, Stillwater, OK, (2)Texas A&M AgriLife Research and Extension Center, Lubbock, TX, (3)Texas A&M AgriLife Research, Lubbock, TX, (4)Texas A&M University, College Station, TX

9:00 AM  Higher Proportions of Unsaturated Fatty Acids in Seeds Improve Cold Germination Ability in Upland Cotton (Gossypium hirsutum) Mutants  
Lakhvir Kaur, Junghyun Shim, Benildo G de los Reyes and Rosalyn B Angeles-Shim, Texas Tech University, Lubbock, TX

9:15 AM  Utilization of Novel Alleles Found in Obsolete Germplasm for the Improvement of Upland Cotton  
Alexandra Ulrich, Texas A&M University, College Station, TX

9:30 AM  Identifying Cotton Germplasm with Resistance to Fusarium Wilt in Georgia  
Edward Beasley1, Nelson Dias Suassuna2, Robert Kemerait1, B. Todd Campbell1, Don Jones1 and Peng Chee2, (1)University of Georgia, Tifton, GA, (2)Brazilian Agricultural Research Corporation - EMBRAPA, Santo Antonio de Goias - GO, Brazil, (3)USDA-ARS, Florence, SC, (4)Cotton Incorporated, Cary, NC

9:45 AM  Discussion
Wednesday, January 6, 2021

COTTON IMPROVEMENT - WEDNESDAY LATE MORNING
10:30 AM-12:00 PM

10:30 AM Origin and Worldwide Distribution of Fusarium Race 4 (FOV4)
Jim Olvey, O&A Enterprises, Maricopa, AZ

10:45 AM Fusarium Race 4 (FOV4) Upland Screening and Evaluation
Mike Olvey, O&A Enterprises, Maricopa, AZ

11:00 AM Genetic Mapping for Resistance to Fusarium Wilt (Fusarium oxysporum f. sp. vasinfectum) Race 4 in Two Introgressed Populations of Upland Cotton (Gossypium hirsutum)
Abdelraheem Abdelraheem1, Yi Zhu1, Terry Wheeler2, Jane K Dever3, Jiwen Yu4, Youlu Yuan5, Shi Yuzhen6, Jianjiang Ma7, Tom Wedegaertner8 and Jinfa Zhang1, (1)New Mexico State University, Las Cruces, NM, (2)Texas A&M AgriLife Research, Lubbock, TX, (3)Texas A&M AgriLife Research and Extension Center, Lubbock, TX, (4)cotton research center, Jinan, China, (5)Institute of Cotton Research, Chinese Academy of Agricultural Sciences, Anyang, China, (6)State Key Laboratory of Cotton Biology, Key Laboratory of Biological and Genetic Breeding of Cotton, Anyang, China, (7)State Key Laboratory of Cotton Biology, Cotton Institute of the Chinese Academy of Agricultural Sciences, Anyang, China, (8)Cotton Incorporated, Cary, NC

11:15 AM An in Vitro Co-Culture System and Rapid Differential Responses to Fusarium Oxysporum f.sp. Vasinfectum Race 4 in Domesticated Cotton
Stephen Parris1, Jim Olvey2, Mike Olvey2, Don Jones3, Joshua Udall4 and Christopher Sasaki1, (1)Clemson University, Clemson, SC, (2)O&A Enterprises, Maricopa, AZ, (3)USDA-ARS, College Station, TX

11:30 AM Deciphering Genetic Resistance Mechanisms to Fusarium Oxysporum Race 4 in Domesticated Cotton
Christopher Sasaki1, Stephen Parris1, Jim Olvey2, Mike Olvey2, Joshua Udall4 and Don Jones3, (1)Clemson University, Clemson, SC, (2)O&A Enterprises, Maricopa, AZ, (3)USDA-ARS, College Station, TX, (4)Cotton Incorporated, Cary, NC

11:45 AM Discussion

COTTON IMPROVEMENT - WEDNESDAY EARLY AFTERNOON
1:00 PM-3:00 PM

1:00 PM Comparative Morphological Analysis of Infection Process in Cotton Differing in Resistance to Fusarium Wilt Caused by Fusarium oxysporum f. sp. Vasinfectum Race 4
Yi Zhu1, Abdelraheem Abdelraheem1, Peter Cooke1, Terry Wheeler2, Jane K Dever3, Tom Wedegaertner4 and Jinfa Zhang1, (1)New Mexico State University, Las Cruces, NM, (2)Texas A&M AgriLife Research, Lubbock, TX, (3)Texas A&M AgriLife Research and Extension Center, Lubbock, TX, (4)Cotton Incorporated, Cary, NC

1:15 PM Identification of Resistance Sources to Fusarium Wilt (Fusarium oxysporum f. sp. vasinfectum) Race 4 in Gossypium barbadense and Cultivated Diploid Cotton Species
Abdelraheem Abdelraheem1, Yi Zhu1, Kyle Moore1, Jane K Dever3, Terry A. Wheeler2, Tom Wedegaertner4 and Jinfa Zhang1, (1)New Mexico State University, Las Cruces, NM, (2)Texas A&M AgriLife Research and Extension Center, Lubbock, TX, (3)Texas A&M AgriLife Research, Lubbock, TX, (4)Cotton Incorporated, Cary, NC
Wednesday, January 6, 2021

1:30 PM  Resistance/Tolerance to Fusarium Wilt Race 4 (FOV4) in Upland (Gossypium hirsutum L.) Cotton for Germplasm Public Release Mauricio Ulloa1, Robert B Hutmacher2, Phillip A. Roberts3, Margaret L. Ellis4, TariLee Frigulti5, Jane K Dever6, Terry A. Wheeler6, Jinfa Zhang7, Steve Hague8, Soum Sanogo7, Paxton Payton8 and Robert L. Nichols10, (1) USDA-ARS, PA, CSRL, Plant Stress and Germplasm Development Research, Lubbock, TX, (2)University of California Cooperative Extension, Five Points, CA, (3)University of California, Riverside, CA, (4)California State University, Fresno, Fresno, CA, (5)University of California Cooperative Extension, Tulare, CA, (6)Texas A&M AgriLife Research, Lubbock, TX, (7)New Mexico State University, Las Cruces, NM, (8)Texas A&M University, College Station, TX, (9)United States Department of Agriculture, Lubbock, TX, (10)Cotton Incorporated, Cary, NC

1:45 PM  Yield of Select Upland Cotton Varieties Grown in Moderate to High Disease Pressure of Fusarium Race 4 (FOV4): 2018 to 2020 David W Albers, Bayer Crop Science, St. Louis, MO and Mike Olvey, O&A Enterprises, Maricopa, AZ

2:00 PM  Public Release of Conventional Upland Germplasm Highly Tolerant/Resistant to Fusarum Race 4 By O&A Jim Olvey1, Mike Olvey1, Don Jones2 and Geoff Toledo2, (1)O&A Enterprises, Maricopa, AZ, (2)Cotton Incorporated, Cary, NC, (3)CCGGA, Fresno, CA

2:15 PM  A Private/Public Sector Partnership to Address FOV4 Don Jones1, Mike Olvey2 and Jim Olvey2, (1)Cotton Incorporated, Cary, NC, (2)O&A Enterprises, Maricopa, AZ

2:30 PM  Discussion

COTTON IMPROVEMENT - WEDNESDAY LATE AFTERNOON

3:30 PM-5:00 PM

3:30 PM  Repeatability of HVI Fibrograms across Multiple Instruments Addisu Ferede Tesema1, Brendan Kelly2 and Eric F. Hequet1, (1)Texas Tech University, Lubbock, TX, (2)Texas Tech University, Lubbock, TX, Texas A&M Agrilife Research, Lubbock, TX

3:45 PM  Estimating Short Fiber Content Using the High Volume Instrument Md Abu Sayeed and Eric F. Hequet, Texas Tech University, Lubbock, TX

4:00 PM  Transcriptome Analysis of Gossypium hirsutum Responses to Meloidogyne Incognita during Compatible and Incompatible Interactions Sameer Khanal1, Pawan Kumar2, Samantha Jo Wegener1, Richard Davis3, Robert L. Nichols4 and Peng Chee1, (1)University of Georgia, Tifton, GA, (2)USDA-ARS, Salinas, CA, (3)USDA-ARS, Tifton, GA, (4)Cotton Incorporated, Cary, NC

4:15 PM  Concluding Remarks

4:20 PM  Business Meeting

Cotton Insect Research and Control Conference

COTTON INSECT RESEARCH & CONTROL CONFERENCE - WEDNESDAY EARLY AFTERNOON

1:00 PM-3:00 PM

1:00 PM  Efficacy of Pesticides Used in Cotton When Applied at Specific Droplet Sizes Tyler S. Soignier, Clemson University, Blackville, SC
Wednesday, January 6, 2021

1:12 PM  Evaluation of Moth Trapping Trends in Arkansas
T. Harris1, Gus Lorenz2, Nick R. Bateman3, Benjamin C Thrash1, Nichole Taillon1, Wes Plummer2, Chase A Floyd1, Caleb Rice1, Garrett Felts6, Trevor Newkirk1, Adam Whitfield4 and G. Maris1, (1)University of Arkansas, Lonoke, AR, (2)The University of Arkansas, Lonoke, AR, (3)University of Arkansas - RREC, Stuttgart, AR, (4)University of Arkansas CES, Lonoke, AR, (5)UA-CES, Lonoke, AR, (6)University of Arkansas- RREC, Stuttgart, AR

1:24 PM  Impact of Rainfall on Insecticide Performance in Cotton
Sara Barrett1, Jeff Gore2, Angus Catchot1, Don Cook1 and Whitney Crow2, (1)Mississippi State University, Department of Biochemistry, Molecular Biology, Entomology, and Plant Pathology, Starkville, MS, (2)Mississippi State University, Stoneville, MS, (3)Mississippi State University, Mississippi State, MS

1:36 PM  Monitoring Potential Lambda-Cyhalothrin Resistant Rice Stink Bug, Oebalus Pugnax Populations in Arkansas Rice Production

1:48 PM  Impact of Late Season Management Approaches for Tarnished Plant Bug in Mid-South Cotton
Ryan Mann1, Angus Catchot1, Whitney Crow2, Jeff Gore2, Don Cook2 and Tyler B Towles3, (1)Mississippi State University, Mississippi State, MS, (2)Mississippi State University, Stoneville, MS, (3)LSU AgCenter, Winnsboro, LA

2:00 PM  Efficacy of Chinnpv for Control of Soybean Looper, Chrysodeixis includens, in Arkansas Soybean Production

2:12 PM  Evaluation of Action Thresholds for Bollworm Control in Cotton
Michael Cade Francis1, Jeff Gore2, Angus Catchot1, Whitney Crow2 and Don Cook1, (1)Mississippi State University, Mississippi State, MS, (2)Mississippi State University, Stoneville, MS

2:24 PM  Efficacy of Selected Insecticides for Control of Lepidopteran Pests in Soybeans
G. Maris1, Gus Lorenz2, Nick R. Bateman3, Benjamin C Thrash1, Nichole Taillon1, Wes Plummer2, Chase A Floyd1, Caleb Rice1, Garrett Felts6, Trevor Newkirk1, Adam Whitfield1 and T. Harris1, (1)University of Arkansas, Lonoke, AR, (2)The University of Arkansas, Lonoke, AR, (3)University of Arkansas - RREC, Stuttgart, AR, (4)University of Arkansas CES, Lonoke, AR, (5)UA-CES, Lonoke, AR, (6)University of Arkansas - RREC, Stuttgart, AR

2:36 PM  Determining Chlorantraniliprole Residual Activity Against Bollworm (Helicoverpa Zea) in Cotton
Jacob Smith1, Whitney Crow2, Angus Catchot1, Jeff Gore2 and Don Cook1, (1)Mississippi State University, Mississippi State, MS, (2)Mississippi State University, Stoneville, MS

2:48 PM  Efficacy of Selected Insecticides for Control of Tarnished Plant Bugs, Lygus Lineolaris, in Arkansas
Adam Whitfield1, Gus Lorenz2, Nick R. Bateman1, Benjamin C Thrash1, Nichole Taillon1, Wes Plummer2, Chase A Floyd1, Caleb Rice1, Garrett Felts6, Trevor Newkirk1, T. Harris1 and G. Maris1, (1)UA-CES, Lonoke, AR, (2)The University of Arkansas, Lonoke, AR, (3)University of Arkansas - RREC, Stuttgart, AR, (4)University of Arkansas, Lonoke, AR, (5)University of Arkansas CES, Lonoke, AR, (6)University of Arkansas- RREC, Stuttgart, AR
3:30 PM  Differentiation between Tobacco Budworm (Heliothis virescens) and Bollworm (Helicoverpa zea) Eggs at the Organismal Level: New Perspectives
Roger D. Lawrie¹, Kaiying Chen², Jean Marcel Deguenon³, Loganathan Ponnusamy³, Ryan W Kurtz³, DeShae Dillard³, Daniela T Pezzini¹, Dominic Reisig³, Nithin M. Ganji², Hannah Burrack², Batool Karim-Delavar², Coby Schal², Rick Santangelo² and R. Michael Roe¹, (1)North Carolina State University, Raleigh, NC, (2)NC State University, Raleigh, NC, (3)Cotton Incorporated, Cary, NC, (4)NC State University, Plymouth, NC, (5)North Carolina State University, Plymouth, NC

3:32 PM  Quantifying Imidacloprid Susceptibility in Alabama Populations of Aphis gossypii
John W. Mahas¹, Anders S. Huseth² and Alana Lynn Jacobson¹, (1)Auburn University, Auburn, AL, (2)North Carolina State University, Raleigh, NC

3:54 PM  Plant-Associated Fungi Effects on Boll Weevil Growth and Survival
Janaina Camara Siqueira da Cunha and Gregory A. Sword, Texas A&M University, College Station, TX

4:06 PM  Novel Insecticides Support Conservation Biological Control in Cotton
Isadora Bordini¹, Peter C Ellsworth¹ and Steve Naranjo², (1)University of Arizona, Maricopa, AZ, (2)USDA-ARS, Maricopa, AZ

4:18 PM  Palmer Amaranth (Amaranthus palmeri) and Thrips (Thrips sp.) Control with VariousDicamba + Insecticide Tank-Mixes in Cotton
Jacob P. McNeal¹, Darrin M. Dodds¹, Brian K. Peralissi², Jeff Gore³, Angus Catchot³, Greg R. Kruger³, Bradley Norris³, John J. Williams³, William J Rutland³ and Steven D. Hall³, (1)Mississippi State University, Mississippi State, MS, (2)Mississippi State University, Starkville, MS, (3)Mississippi State University, Stoneville, MS, (4)University of Nebraska - Lincoln, North Platte, NE

4:30 PM  Frequency of Alleles Confering Resistance to BT Proteins in Helicoverpa Zea in Texas
Jose Santiago¹, Fei Yang¹ and David Kerns², (1)Texas A&M, College Station, TX, (2)Texas A&M University, College Station, TX

4:42 PM  Evaluation of Insecticide Seed Treatments in Furrow Irrigated Rice for Control of Rice Billbug, Sphenophorus Pertinax, in Arkansas
Chase A Floyd¹, Gus Lorenz³, Nick R. Bateman³, Benjamin C Thrash¹, Nichole Taillon⁴, Garrett Felts¹, Wes Plummer³, Caleb Rice¹ and T. Newkirk¹, (1)University of Arkansas, Lonoke, 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- RREC, Stuttgart, AR, (6)UA-CES, Lonoke, AR
Cotton Quality Measurements Conference

COTTON QUALITY MEASUREMENTS - WEDNESDAY EARLY AFTERNOON
1:00 PM-3:00 PM

1:00 PM  Introductory Remarks

1:15 PM  Partnerships for Data Innovation (PDI) Cotton - Cotton Quality Dashboards
Christopher D. Delhom1, Holly A King1, Neha Kothari2, Eric F. Hequet3, Carlos B. Armijo4, Lindsey Messinger5, Grant Zoch5, Bruce Vandenberg1 and Michael D. Buser6, (1)USDA-ARS, New Orleans, LA, (2)Cotton Incorporated, Cary, NC, (3)Texas Tech University, Lubbock, TX, (4)USDA-ARS Southwestern Cotton Ginning Research Laboratory, Mesilla Park, NM, (5)USDA-ARS, Fort Collins, CO, (6)USDA Agricultural Research Service, Beltsville, MD

1:30 PM  Suitability of US Cotton for Vortex Spinning
Eric F. Hequet, Texas Tech University, Lubbock, TX

1:45 PM  A Principle Components Study of Yarn Strength in Upland Cotton
Alexandra Ullrich, Texas A&M University, COLLEGE STATION, TX

2:00 PM  A Comparative Study of the Proposed Mechanisms of Cotton Fiber Yellowing
Michael K. Dowd and Christopher D. Delhom, USDA-ARS, New Orleans, LA

2:15 PM  Reliability of Cotton Fiber Length Distributions Measured by Dual-Beard Fibrography and Advanced Fiber Information System
Bugao Xu and Jinfeng Zhou, University of North Texas, Denton, TX

2:30 PM  Stelometer and High Volume Instrument Strength Measurements of Different Upland Cotton Fibers
Yongliang Liu, USDA-ARS, New Orleans, LA

2:45 PM  Polymer Blends Involving Cottonseed Protein and Cottonseed Meal
Huai N Cheng1, Zhongqi He1, Michael K. Dowd2 and K. Thomas Klasson1, (1) USDA Agricultural Research Service, New Orleans, LA, (2)USDA-ARS, New Orleans, LA

Cotton Weed Science Research Conference

COTTON WEED SCIENCE RESEARCH - WEDNESDAY EARLY MORNING
8:30 AM-10:00 AM

8:30 AM  Weed Management and Crop Response Using Isoxaflutole in HPPD Tolerant Cotton
Delaney C. Foster1, Peter A. Dotray1, Corey N. Thompson2, Gregory Baldwin1 and Frederick T. Moore3, (1)Texas Tech University, Texas A&M AgriLife Research and Extension Service, Lubbock, TX, (2)BASF, Lubbock, TX, (3)BASF, Durham, NC

8:45 AM  Tillage, Rotation and Herbicide Input Impact Weed Control in Xtendflex Cotton
Rohith Vulchi1, Josh McGinty2, Muthu Bagavathiannan3 and Scott Nolte3, (1)Texas A&M University, College Station, College Station, TX, (2)Texas A&M AgriLife Extension Service, Corpus Christi, TX, (3)Texas A&M University, College Station, TX
9:00 AM  Economic and Ecological Impact of Integrated Weed Management Strategies on Palmer Amaranth in Cotton
Rodger B. Farr1, Jason K Norsworthy1, Tom Barber2, Lawson Priess3, Mason Castner1 and James W Beesinger1, (1)University of Arkansas, Fayetteville, AR, (2)University of Arkansas-Extension, Lonoke, AR

9:15 AM  Investigating the Numbers: Can We Protect Postemergence Herbicides through a Combination of Preemergence Herbicides, Cover Crops, and Timely Applications?
Taylor M Randell, Jenna C Vance and A. Stanley Culpepper, University of Georgia, Tifton, GA

9:30 AM  Multiple Exposures of 2,4-D (Enlist One) to Non-Tolerant Cotton
Andrew Cole Blythe1, Charlie Cahoon2, Larry Steckel3, Zack Taylor4, Guy D. Collins5, W J Everman6 and Joshua Daniel Joyner7, (1)NC State University, Denver, NC, (2)North Carolina State University, Raleigh, NC, (3)University of Tennessee, Jackson, TN, (4)NC State University, Raleigh, NC, (5)North Carolina State University, Rocky Mount, NC, (6)NC State University, Mount Olive, NC

9:45 AM  Efficacy of Phosphite Fertilization for Weed Suppression in the Ptxd Cotton System
Shilpa Singh1, Devendra Pandeya2, Keerti Rathore2, Kater Hake3 and Muthukumar V Bagavathiannan4, (1)Texas A&M University, College Station, TX, (2)Texas A & M University, College Station, TX, (3)Cotton Incorporated, Cary, NC, (4)Texas A&M University, College Station, TX

10:30 AM  2,4-D Antagonizes Cutleaf Groundcherry (Physalis Angulata L.) Control by Glyphosate
Joshua Daniel Joyner1, Charlie Cahoon2, Zack Taylor3, W J Everman4, Guy D. Collins5 and Andrew Cole Blythe6, (1)NC State University, Mount Olive, NC, (2)North Carolina State University, Raleigh, NC, (3)NC State University, Raleigh, NC, (4)North Carolina State University, Rocky Mount, NC, (5)NC State University, Denver, NC

10:45 AM  Does Potassium Borate Reduce Efficacy of Dicamba?
Mason Castner, Jason K Norsworthy, Trenton L Roberts, Rodger B. Farr and Lawson Priess, University of Arkansas, Fayetteville, AR

11:00 AM  Influence of Palmer Amaranth Size and Nozzle Selection on Glufosinate, Dicamba, and 2,4-D Combinations
James W Beesinger1, Jason K. Norsworthy1, Thomas R Butts2 and Leonard B Piveta1, (1)University of Arkansas, Fayetteville, AR, (2)University of Arkansas, Lonoke, AR

11:15 AM  Cotton Fruiting Response to Low Rates of 2,4-D
Kyle Russell, Texas Tech University, Lubbock, TX, Texas A&M AgriLife Research, Lubbock, TX, Peter A. Dotray, Texas Tech University, Texas A&M AgriLife Research and Extension Service, Lubbock, TX, Irish Lorraine B Pabuayon, Texas Tech University, Lubbock, TX and Glen Ritchie, Department of Plant & Soil Science, Texas Tech University, Lubbock, TX

11:30 AM  Effects of Weed Size on Effectiveness of Sequential Applications of Dicamba & Glufosinate
Navdeep Godara, Jason Norsworth, Lawson Priess, Mason Castner, Rodger B. Farr and Bodie Cotter, University of Arkansas, Fayetteville, AR

11:45 AM  Improving Glufosinate By Eliminating Environmental Variability
Lawson Priess1, Jason K. Norsworth1, Rodger B. Farr1, Mason Castner1, James W Beesinger1, Navdeep Godara1 and Tom Barber1, (1)University of Arkansas, Fayetteville, AR, (2)University of Arkansas-Extension, Lonoke, AR
1:00 PM  Optimizing Sequential Applications of Dicamba and Glufosinate for the Xtendflex System
Jacob A Fleming1, Jason K Norsworthy1, Tom Barber2, Lawson Priess3, Mason Castner1 and Rodger B. Farr1, (1)University of Arkansas, Fayetteville, AR, (2) University of Arkansas-Extension, Lonoke, AR

1:15 PM  A Beltwide Study to Evaluate Long-Term Impact of Integrated Palmer Amaranth Management Tactics in Cotton
Sarah E. Kezar1, Delaney C. Foster2, Michael M. Houston1, Fernando Oreja6, Peter A. Dotray1, Jason Norsworthy3, Ramon Leon Gonzalez5, Gaylon Morgan3 and Muthukumar V Bagavathiannan6, (1)Texas A&M, College Station, TX, (2)Texas Tech University, Texas A&M AgriLife Research and Extension Service, Lubbock, TX, (3)University of Arkansas, Fayetteville, AR, (4)North Carolina State University, Raleigh, NC, (5)Cotton Incorporated, Cary, NC, (6) Texas A&M University, College Station, TX

1:30 PM  Cotton Tolerance to Non-Labeled Herbicides in Mississippi
Zaim Ugljic1, Connor Ferguson1, Daniel B. Reynolds1, Brian K. Pialalis2, Darrin M. Dodds1 and Gaylon Morgan3, (1)Mississippi State University, Mississippi State, MS, (2)Mississippi State University, Starkville, MS, (3)Cotton Incorporated, Cary, NC

1:45 PM  Where Does Isoxaflutole Fit into Cotton Weed Management?
Charlie Cahoon1, Joshua Daniel Joyner2, Guy D. Collins3, W J Everman4, Andrew Cole Blythe3 and Zack Taylor4, (1)North Carolina State University, Raleigh, NC, (2)NC State University, Mount Olive, NC, (3)North Carolina State University, Rocky Mount, NC, (4)NC State University, Raleigh, NC, (5)NC State University, Denver, NC

2:00 PM  Cotton Tolerance to Dimethenamid-P, S-Metolachlor, and Acetochlor Preemergence and in Replant Situations
Lavesta C. Hand, Jenna C Vance and A. Stanley Culpepper, University of Georgia, Tifton, GA

Sustainability

COTTON SUSTAINABILITY - WEDNESDAY EARLY MORNING
8:30 AM-10:00 AM

8:30 AM  U.S. Cotton Trust Protocol Is Now Launched! an Update from
Gary Adams
Gary Adams, National Cotton Council, Cordova, TN

8:50 AM  Hear from Our Customers: How the Trust Protocol Will Help Fuel Demand for US Cotton (Panel Discussion)
Jesse Daystar, Cotton Incorporated, Cary, NC

9:25 AM  Hear from the Experts: Sustainable Fiber Matters (Panel Discussion)
Andrew Jordan, Jordan Associates Ag and Bio Engineering Services, Cordova, TN

COTTON SUSTAINABILITY - WEDNESDAY LATE MORNING
10:30 AM-12:00 PM

10:30 AM Grower Enrollment: A Short Tutorial on How to Enroll Growers in the US Cotton Trust Protocol
Ken Burton, National Cotton Council, Cordova, TN
Wednesday, January 6, 2021

10:50 AM  Hear Direct from Protocol Growers: Benefits to Participant Growers (Panel Discussion)
Steven Pires, Cotton Incorporated, Cary, NC

11:25 AM  Field to Market and the Cotton Trust Protocol: Partnering to Measure and Advance the Sustainability of US Cotton
Rod Snyder, Field to Market, Washington, DC, DC

COTTON SUSTAINABILITY - WEDNESDAY EARLY AFTERNOON
1:00 PM - 3:00 PM

1:00 PM  US Cotton Trust Protocol Verification Procedures: Update from the 2019 Pilot Phase
Robert Demianew, Control Union, Plantation, FL

1:30 PM  Q&A with the U.S. Cotton Trust Protocol: Your Chance to Ask Questions
Jesse Daystar, Cotton Incorporated, Cary, NC

2:00 PM  Sustainability Matters to US Cotton
Gary Adams, National Cotton Council, Cordova, TN

COTTON SUSTAINABILITY - WEDNESDAY LATE AFTERNOON
3:30 PM - 5:00 PM

3:30 PM  Textile Exchange Climate+ Strategy and Impact Incentive Overview
La Rhea Pepper, Textile Exchange, Lander, WY

4:00 PM  US Cotton and the Conscientious Consumer: Why Brands Must Now Prove Sustainability, and How Verified Growers Are Leading the Way (Panel Discussion)
April Kappler, Better Cotton Initiative, London, United Kingdom

4:40 PM  Organic Cotton: Production and Market Trends in the U.S. and Globally
Sandra Marquardt, Textile Exchange, Silver Spring, MD
Cotton Agronomy, Physiology & Soil Conference

COTTON AGRONOMY, PHYSIOLOGY & SOILS - THURSDAY EARLY MORNING
8:00 AM-10:00 AM

8:00 AM  A Meta-Analysis of Cotton Response to Plant Growth Regulators from the Scott Learning Center - 2011-2020
Jay Mahaffey, Blake Edwards, Scott Horton and Joseph Cummins, Bayer Crop Science, Scott, MS

8:15 AM  Soil Health Conditions Under Cotton Production in North Carolina
Alan J Franzluebbers, USDA-ARS, Raleigh, NC

8:30 AM  Initial Effect of Cover Crop Species and Seeding Rate on Texas Dryland Cotton Production
Paul DeLaune1, Emi Kimura2, Katie L. Lewis3, Charles Coufal1 and Anthony Pennartz1, (1)Texas A&M AgriLife Research, Vernon, TX, (2)Texas A&M AgriLife Research and Extension Service, Vernon, TX, (3)Texas A&M AgriLife Research and Extension Center, Lubbock, TX

8:45 AM  Cotton Yield Response to Nitrogen Rates in Long-Term Conventional- and Conservation-Tillage Plots in Georgia
Glendon Harris, University of Georgia, Tifton, GA

9:00 AM  Greenhouse Gas Emissions and Nitrogen Dynamics in Texas High Plains Cotton
Christopher Cobos, Texas A&M AgriLife Research, Lubbock, TX, Katie L. Lewis, Texas A&M AgriLife Research and Extension Center, Lubbock, TX, Mark McDonald, Texas Tech University, Department of Plant and Soil Science, Lubbock, TX and Paul DeLaune, Texas A&M AgriLife Research, Vernon, TX

9:15 AM  Evaluation of the Effects of Winter Wheat Cover Crop on Soil Health in Cotton Production Systems of the Texas Rolling Plains
Sushil Kumar Himanshu1, Srinivasulu Ale1, Jasdeep Singh1, Paul DeLaune1 and Edward M. Barnes2, (1)Texas A&M AgriLife Research, Vernon, TX, (2)Cotton Incorporated, Cary, NC

COTTON AGRONOMY, PHYSIOLOGY & SOILS - THURSDAY LATE MORNING
10:30 AM-12:00 PM

10:30 AM Impact of Nitrogen Fertilizer Sources on Ammonia Volatilization and Lint Yield in an Unirrigated Cotton Field
Nutifafa Adotey, University of Tennessee, Jackson, TN and Tyson B Raper, University of Tennessee, Jackson, TN

10:45 AM Optimizing Nitrogen Management across Cotton Cropping Systems
Katie L. Lewis, Texas A&M AgriLife Research and Extension Center, Lubbock, TX, J. Wayne Keeling, Texas A&M AgriLife Research Center, Lubbock, TX, Paul DeLaune, Texas A&M AgriLife Research, Vernon, TX, Joseph Alan Burke, Texas A&M University, College Station, TX, Amee Bumguardner, Texas Tech University, Lubbock, TX and Christopher Cobos, Texas A&M AgriLife Research, Lubbock, TX
11:00 AM  Soil Potassium Dynamics of Upland Cotton: A Three Year Study
Hunter Frame1, Gaylon Morgan2, Darrin M. Dodds3, Randy Norton4, Katie L. Lewis5, Michael A. Jones6, Tyson B Raper7, Robert L. Nichols2, Bill Robertson8 and Andrea S. Jones9, (1)Virginia Polytechnic Institute & State University, Blacksburg, VA, (2)Cotton Incorporated, Cary, NC, (3)Mississippi State University, Mississippi State, MS, (4)University of Arizona, Safford, AZ, (5)Texas A&M AgriLife Research Center, Lubbock, TX, (6)Clemson University, Florence, SC, (7)University of Tennessee, Jackson, TN, (8)University of Arkansas, Newport, AR, (9)University of Missouri, Portageville, MO

11:15 AM Soil Organic C and N Fractions and Chemical Properties across a Diversity of Cotton Nitrogen Trials in 2020
Alan J Franzluebbers1, Richard L. Haney2, Tyson B Raper3, Brian K. Pieralisi4, Gaylon Morgan5, Calvin D Meeks6, Benjamin M. McKnight7, Murilo Maeda8, Katie L. Lewis9, Julie A. Howe10, James W. Heiser11, Hunter Frame12, Bhupinder S. Farmaha13 and Brian Arnall14, (1)USDA-ARS, Raleigh, NC, (2)USDA-ARS, Temple, TX, (3)University of Tennessee, Jackson, TN, (4)Mississippi State University, Starkville, MS, (5)Cotton Incorporated, Cary, NC, (6)University of Missouri, Portageville, MO, (7)Texas A&M University, College Station, TX, (8)Texas A&M AgriLife Extension, Lubbock, TX, (9)Texas A&M AgriLife Research and Extension Center, Lubbock, TX, (10)Texas AgriLife Research, College Station, TX, (11)Virginia Polytechnic Institute & State University, Blacksburg, VA, (12)Clemson University, Blackville, SC, (13)Oklahoma State University, Stillwater, OK

11:30 AM Evaluation of Cotton Yield Response to Nitrogen Fertilizer Application across the US Cotton Belt
Bhupinder S. Farmaha1, Brian Arnall2, Hunter Frame3, Alan J Franzluebbers4, Richard L. Haney5, James W. Heiser6, Julie A. Howe7, Katie L. Lewis8, Murilo Maeda9, Benjamin M. McKnight10, Gaylon Morgan11, Brian K. Pieralisi12 and Tyson B Raper13, (1)Clemson University, Blackville, SC, (2)Oklahoma State University, Stillwater, OK, (3)Virginia Polytechnic Institute & State University, Blacksburg, VA, (4)USDA-ARS, Raleigh, NC, (5)USDA-ARS, Temple, TX, (6)University of Missouri, Portageville, MO, (7)Texas AgriLife Research, College Station, TX, (8)Texas A&M AgriLife Research and Extension Center, Lubbock, TX, (9)Texas A&M AgriLife Extension, Lubbock, TX, (10)Texas A&M University, College Station, TX, (11)Cotton Incorporated, Cary, NC, (12)Mississippi State University, Starkville, MS, (13)University of Tennessee, Jackson, TN

11:45 AM Twenty Years of Cotton Nitrogen Management and Cycling Trials in Texas and Arizona: What Have We Learned?
Kevin F. Bronson, USDA-ARS, Maricopa, AZ

Cotton Ginning Conference

COTTON GINNING - THURSDAY EARLY MORNING
8:00 AM-10:00 AM

8:00 AM  Assuring Cotton Quality from Field to Mill– the Importance of an Integrated Approach
Marinus H.J van der Sluijs, Textile Technical Services, Geelong, VIC, Australia

8:15 AM  New Product Developments from Lummus
Mark D. Cory, Lummus Ag Technology, Savannah, GA and Ross D. Rutherford, Lummus Ag Technology, Lubbock, TX

8:30 AM  Improving Energy Efficiency in Seed Cotton Conveying and Drying
Sunil Kumar, Robert G. Hardin and Maria D. King, Texas A&M University, College Station, TX
8:45 AM  Design of a Plastic Removal System for a Cotton Gin Module Feeder
Adeyemi Adeleke¹, Robert G. Hardin¹ and Mathew G. Pelletier², (1)Texas A&M University, College Station, TX, (2)USDA-ARS Cotton Production and Processing Research Unit, Lubbock, TX

9:00 AM  Measurement of Emission Factors for Cotton Gin Trash Piles
Garrett Shaw¹, Maria D. King¹, J. Kelley Green², Derek P. Whitelock² and John D Wanjura³, (1)Texas A&M University, College Station, TX, (2)Texas Cotton Ginners Association, Austin, TX, (3)USDA-ARS Southwestern Cotton Ginning Research Laboratory, Mesilla Park, NM, (4)USDA-ARS Cotton Production and Processing Research Unit, Lubbock, TX

9:15 AM  Round Modules: Handling Logistics and Cover Damage, 2nd Year
Md Zafar Iqbal¹, Robert G. Hardin¹, Tianyi Wang¹, Jason K Ward³ and John D. Wanjura⁴, (1)Texas A&M University, College Station, TX, (2)Texas A&M AgriLife Research, Dallas, TX, (3)NC State University, Raleigh, NC, (4)USDA-ARS Cotton Production and Processing Research Unit, Lubbock, TX

9:00 AM  Cotton Yield Response to Simulated Cotton Fleahopper and Western Tarnished Plant Bug Infestations as Influenced by Irrigation Level
Dol P. Dhakal, Abdul Hakeem, J. Wayne Keeling and Megha N. Parajulee, Texas A&M AgriLife Research Center, Lubbock, TX

9:15 AM  Three Years of ThyrvOn™ Technology
Timothy Dabbert, Bayer Crop Science, Creve Couer, MO

9:30 AM  Shaping the Future of Cotton Insect Pest Management Together
Waseem Akbar, Aqeel Ahmad, Jason W Stelzer, Scott Bollman and Michael Grosz, Bayer Company, Chesterfield, MO

9:45 AM  Managing Early Versus Late Season Insects in Limited Irrigation Cotton
Megha N. Parajulee¹, Abdul Hakeem¹, Dol P. Dhakal¹, Suhas Vyavhare², Michael Toews³, Donna McCallister¹ and Katie L. Lewis¹, (1)Texas A&M AgriLife Research Center, Lubbock, TX, (2)Texas A&M AgriLife Extension Service, Lubbock, TX, (3)University of Georgia, Tifton, GA

10:00 AM  Interactions of Nitrogen Fertilizer, Cotton Seeding Rate, and Late Season Insecticide for Tarnished Plant Bug Control in Midsouth Cotton.
Tina Gray Teague¹, N. Ray Benson², Andrew J. Baker¹, Amanda M. Mann¹ and John W. Nowlin², (1)Ark State Univ / Univ Ark Agri Exp Sta, State University, AR, (2)University of Arkansas Coop Extension Service, Little Rock, AR, (3)University of Arkansas System Division of Agriculture, State University, AR, (4)Arkansas State University, State University, AR
10:15 AM Monitoring Population Dynamics of Aphids across the Cotton Belt
Alana Lynn Jacobson, Charles Ray, Phillip Roberts, Michael Toews, Jeremy Greene, Andrews S. Huseh, George G. Kennedy, Sally Taylor, Silvana Paula-Moraes, Sebe Brown, Jeff Gore, Whitney Crow, Scott D. Stewart, David Kerns, Suhas Vyavhare, Scott H. Graham, Ron Smith and Katelyn Kesheimer, (1) Auburn University, Auburn, AL, (2) University of Georgia, Tifton, GA, (3) Clemson University, Blackville, SC, (4) North Carolina State University, Raleigh, NC, (5) Virginia Tech University, Suffolk, VA, (6) University of Florida, Jay, FL, (7) LSU AgCenter, Winnboro, LA, (8) Mississippi State University, Stoneville, MS, (9) The University of Tennessee, Jackson, TN, (10) Texas A&M University, College Station, TX, (11) Texas A&M AgriLife Extension Service, Lubbock, TX, (12) Auburn University, Auburn University, AL

10:30 AM Cotton Aphid Insecticide Efficacy in the Southeast: A Two Year Summary

10:45 AM Honey Bees Experience Forage Opportunities and Pesticide Exposure in a Row Crop Environment
Sally Taylor, Virginia Tech University, Suffolk, VA, Margaret Couvillon, Virginia Polytechnic Institute and State University, Blacksburg, VA and Roger Schurch, Virginia Tech, Blacksburg, VA

11:00 AM Benefits of a Native Bee Pollinator Melissodes Tepaneca (Hymenoptera: Apidae) on Cotton Yield
Isaac L. Esquivel and Michael J. Brewer, Texas A&M AgriLife Research, Department of Entomology, Corpus Christi, TX

11:15 AM Comparison of Sentinel-2, Landsat, and Airborne Imagery for Early Identification of Cotton Fields for Boll Weevil Eradication
Chenghai Yang, USDA-ARS, College Station, TX and Charles P.-C. Suh, USDA-ARS ICCDRU, College Station, TX

11:30 AM A Comparison of Tools for Documenting the Demography of Boll Weevil Reinfestations
Lindsey C Perkin, Charles P.-C. Suh, Tyler Jay Raszick and Gregory A. Sword, (1) USDA-ARS ICCDRU, College Station, TX, (2) Texas A&M University, College Station, TX

11:45 AM Development Toward Rapid Diagnostic Tools for Boll Weevil Identification and Source Estimation
Tyler Jay Raszick, Lindsey C Perkin, Alejandra Godoy, Raul Ruiz-Arce, Charles P.-C. Suh, Xanthe A. Shirley and Gregory A. Sword, (1) Texas A&M University, College Station, TX, (2) USDA-ARS ICCDRU, College Station, TX, (3) USDA-APHIS, Edinburg, TX, (4) USDA-APHIS, College Station, TX

COTTON INSECT RESEARCH & CONTROL CONFERENCE - THURSDAY EARLY AFTERNOON
1:00 PM-2:45 PM

1:00 PM Influence of Planting Date on Bollworm Incidence and Damage in Cotton
Dominic Reisig, North Carolina State University, Plymouth, NC, Jeremy Greene, Clemson University, Blackville, SC, Phillip Roberts, University of Georgia, Tifton, GA and Sally Taylor, Virginia Tech University, Suffolk, VA

1:15 PM What Ever Happened to Old World Bollworm Invasion of the US?
Gregory A. Sword and Zhen Fu, Texas A&M University, College Station, TX
1:30 PM  Partnerships for Data Innovation (PDI) Cotton - the Potential for Entomological Data Collection and Aggregation
Ryan W Kurtz1, Edward M. Barnes1, Gaylon Morgan1, Tina Gray Teague2, Christopher D. Delhom3, Michael D. Buser4, Mauricio Ulloa5 and James R. Mahan6, (1)Cotton Incorporated, Cary, NC, (2)Ark State Univ / Univ Ark Agri Exp Sta, State University, AR, (3)USDA-ARS, New Orleans, LA, (4)USDA Agricultural Research Service, Beltsville, MD, (5)USDA-ARS, PA, CSRL, Plant Stress and Germplasm Development Research, Lubbock, TX, (6)USDA/ARS, Lubbock, TX

1:45 PM  Effectiveness of Insecticide Oversprays for Control of Bollworm and Stink Bugs on Bt Cotton Technology in South Carolina
Jeremy Greene1, Francis Reay-Jones2, Dan Robinson1 and Katie Seavey1, (1)Clemson University, Blackville, SC, (2)Clemson University, Florence, SC

2:00 PM  Genomic Mechanisms for the Evolution of Bt/Insecticide Resistance in US Cotton Bollworms: Humans to Insects
R. Michael Roe1, Roger D Lawrie1, Robert D. Mitchell III1, Jean Marcel Deguenon1, Loganathan Ponnusamy1, Dominic Reisig2, Alejandro Del Pozo-Valdivia3 and Ryan W Kurtz4, (1)North Carolina State University, Raleigh, NC, (2) North Carolina State University, Plymouth, NC, (3)University of California Cooperative Extension & UC Statewide IPM Program, Salinas, CA, (4)Cotton Incorporated, Cary, NC

2:15 PM  Managing Wireworms in Texas High Plains Cotton
Suhas Vyavhare, Texas A&M AgriLife Extension Service, Lubbock, TX and Blayne Reed, Texas A&M AgriLife Extension, Plainview, TX

2:30 PM  Insect Pest Management in Texas Cotton
Abdul Hakeem1, Megha N. Parajulee1 and Dol P. Dhakal1, (1)Texas A&M AgriLife Research and Extension Center, Lubbock, TX, (2)Texas A&M AgriLife Research Center, Lubbock, TX

COTTON INSECT RESEARCH & CONTROL CONFERENCE - THURSDAY LATE AFTERNOON
3:00 PM-5:00 PM

3:00 PM  Cotton Insect Research and Control Conference Business Meeting and Awards
Jeff Gore, Mississippi State University, Stoneville, MS and Nathan S. Little, USDA-ARS SIMRU, Stoneville, MS

Cotton Weed Science Research Conference
COTTON WEED SCIENCE RESEARCH - GRADUATE STUDENT AWARDS
9:00 AM-9:30 AM

Sustainability
COTTON SUSTAINABILITY - THURSDAY EARLY MORNING
8:30 AM-10:00 AM

8:30 AM  Distinguished Lecture: Transitioning Food and Agricultural Systems to Circular Economies
Jim Jones, University of Florida, Gainesville, FL
9:00 AM  International Standards Organization TC323 Update: Defining a Standard in Circularity  
Michele Wallace, Cotton Inc., Cary, NC

9:30 AM  Contributions of the Apparel Industry to Plastic Leakage  
Sophie Chalumeau, Quantis, Lausanne, Switzerland

**COTTON SUSTAINABILITY - THURSDAY LATE MORNING**

10:30 AM-12:00 PM

10:30 AM  Sustainability Metrics Research and Development  
Allison Thomson, Field to Market, Washington, DC, DC

10:45 AM  Evaluating and Working to Improve Georgia Cotton and Peanut Sustainability Practices Using the Fieldprint Calculator  
Kaylyn Groce and Wesley M Porter, University of Georgia, Tifton, GA

11:00 AM  Field-Scale Greenhouse Gas Emissions: Significance of Cover Cropping and Soil Methane Sequestration  
Nithya Rajan¹, Sk. Musfiq-Us-Salehin¹ and Kenneth Casey², (1)Texas A&M University, College Station, TX, (2)Texas A&M Agrilife Research, Amarillo, TX

11:15 AM  Impacts of Conservation Practices and Irrigation on Greenhouse Gas Emissions in Mid-South Cotton  
Arlene Adviento AdvientoBorbe, DWMRU USDA-ARS, State University, AR, Sandhya Karki, University of Arkansas, Jonesboro, AR, Michele L. Reba, USDA-ARS, Jonesboro, AR and Tina Gray Teague, Ark State Univ / Univ Ark Agri Exp Sta, State University, AR
COTTON AGRONOMY, PHYSIOLOGY & SOILS CONFERENCE POSTERS

Comparison of on-Board Harvester Scale Systems to Ground Scale Systems in Cotton Yield Measurements
Guy D. Collins¹, Keith L. Edmisten², Mitch K Williams³, Charlie Cahoon³ and Lori Unruh Snyder³, (1)NC State University, Rocky Mount, NC, (2)North Carolina State University, Raleigh, NC, (3)North Carolina State University, Sanford, NC

Effects of Handling of Cotton Seed on Stand Establishment and Crop Yield
Dalton E Barber, Steven M Brown and Jenny Koebernick, Auburn University, Auburn, AL

Preliminary Results for 48-Inch Row Spacing in Cotton in South Alabama
Steven M Brown and Dalton E Barber, Auburn University, Auburn, AL

Preliminary Results for Seeding Rate Studies in Cotton in South Alabama
Steven M Brown and Dalton E Barber, Auburn University, Auburn, AL

Evaluation of Cotton in Large-Plot on-Farm Variety Testing in Arkansas for 2020
Bill Robertson, Joe McAlee, Amanda Free and Whitney Haigwood, University of Arkansas, Newport, AR

Evaluation of Cotton Yield to in-Season Soil Applied Potassium
Bill Robertson, Amanda Free, Joe McAlee and Whitney Haigwood, University of Arkansas, Newport, AR

Greenhouse Gas Emissions, Soil Moisture and Temperature Dynamics with Different Cover Crops in Organic Cotton
Sk. Musfiq-Us-Salehin¹, Nithya Rajan¹, Kenneth Casey², Peter Tomlinson³, Jake Mowrer¹ and Muthu Bagavathiannan¹, (1)Texas A&M University, College Station, TX, (2)Texas A&M Agrilife Research, Amarillo, TX, (3)Kansas State University, Manhattan, KS, (4)Texas A&M AgriLife Extension Service, College Station, TX

Cotton Maturity and Yield Response to Various Irrigation Schedules in the Oklahoma Panhandle
Andrea J Althoff¹, Bradley R. Wilson¹, Cayden B. Catlin¹, Jason Warren¹, Sumit Sharma², Cameron Murley², Randy Norton³ and Seth A. Byrd³, (1)Oklahoma State University, Stillwater, OK, (2)Oklahoma State University, Goodwell, OK, (3)University of Arizona, Safford, AZ

Comparison of Multiple and Single Pass Harvest Systems Effect on Cotton Yield and Fiber Quality
James A. Griffin¹, Gaylon Morgan², Robert G. Hardin³, Emi Kimura⁴, John L. Snider⁵, Tyson B Raper⁶ and Edward M. Barnes⁶, (1)Texas A&M Cotton Extension, College Station, TX, (2)Cotton Incorporated, Cary, NC, (3)Texas A&M University, College Station, TX, (4)Texas A&M AgriLife Research and Extension Service, Vernon, TX, (5)University of Georgia, Tifton, GA, (6)University of Tennessee, Jackson, TN

Effect of Temperature Extremes on Seedling Growth and Photosynthetic Performance of Different Cotton Genotypes
Gurpreet Virk, John L. Snider and Peng Chee, University of Georgia, Tifton, GA

Tuesday, January 5, 2021
Wednesday, January 6, 2021
Thursday, January 7, 2021

Cotton Agronomy, Physiology & Soil Conference
Nitrogen and Cover Crop Effects on Yield and Fiber Quality of Irrigated Cotton
Ruixiu Sui and Jonnie L. Baggard, USDA-ARS, Stoneville, MS

Optimizing Cover Crop Overseeding for Continuous Cotton in the Mississippi Delta
Gurpreet Kaur and Gurbir Singh, Mississippi State University, Stoneville, MS

Yield Partitioning Effects of Low-Rate Auxin Applications on Sensitive Cotton
Savana D Denton1, Tyson B Raper1, Darrin M. Dodds2, Chris L. Main3 and Freeman Brown1, (1)University of Tennessee, Jackson, TN, (2)Mississippi State University, Mississippi State, MS, (3)PhytoGen, Medina, TN

Replicated Agronomic Cotton Evaluation (RACE) Trial in the Rolling Plains of Texas-2020
Jonathan H. Ramirez1, Emi Kimura1 and Paul DeLaune2, (1)Texas A&M AgriLife Research and Extension Service, Vernon, TX, (2)Texas A&M AgriLife Research, Vernon, TX

2020 Texas Upper Gulf Coast Replicated Agronomic Cotton Evaluation (RACE) - Trial Summary
Dale A. Mott1, Ben McNight2, Aaron Sumrall3, Corrie Bowen4, Kate Harrell-Crumley4, Laramie Naumann3 and Mike Hiller1, (1)Texas A&M AgriLife Extension Service, College Station, TX, (2)Texas A&M University, College Station, TX, (3)Texas A&M AgriLife Extension Service, Bay City, TX, (4)Texas A&M AgriLife Extension Service, Wharton, TX, (5)Texas A&M AgriLife Extension Service, Columbus, TX, (6)Texas A&M Agrilife Extension Service, Edna, TX

Effect of Temperature Fluctuations on Early Season Growth and Development of Cotton (Gossypium hirsutum)
Harsimran Kaur Kapoor, Texas Tech University, Lubbock, TX

Cotton Phenotyping and Physiological Monitoring with a Simple Proximal Remote Sensing System
Curtis B. Adams, Texas A&M AgriLife Research, Vernon, TX, Glen Ritchie, Department of Plant & Soil Science, Texas Tech University, Lubbock, TX and Nithya Rajan, Texas A&M University, College Station, TX

Cotton Production: Plant Growth Regulators Management Under Rainfed and Irrigation Conditions
Kurt Wedegaertner, Avat Shekoofa, Kendall Sheldon, Sam Purdom, Tyson B Raper and Freeman Brown, University of Tennessee, Jackson, TN

Variable Rate Seeding in Cotton
Michael T. Plumblee, Kendall R. Kirk and Tyler S. Soignier, Clemson University, Blackville, SC

Demonstration and Evaluation of Cotton Module Traceability and on-Machine Module Weighing Capabilities
Michael T. Plumblee1, Kendall R. Kirk1, Tyler S. Soignier1 and Edward M. Barnes2, (1)Clemson University, Blackville, SC, (2)Cotton Incorporated, Cary, NC

Evaluating Variety Placement in Cotton Using Precision Multi-Variety Planting Technologies
Julianna B. Corbin, Michael T. Plumblee, Kendall R. Kirk and Tyler S. Soignier, Clemson University, Blackville, SC

Evaluating Various Soil Moisture Sensor Thresholds in Cotton in South Carolina
Wendy Buchanan1, Michael T. Plumblee1, Kendall R. Kirk1, Cal Sawyer2, Gilbert A. Miller1 and Tyler S. Soignier1, (1)Clemson University, Blackville, SC, (2)Clemson University, Clemson, SC
Last Effective Bloom Date for Cotton in Georgia
Brian W. Hayes, University of Georgia Cooperative Extension, Camilla, GA

Effect of Cotton Seed Size and Seeding Rate on Cotton Growth, Development and Yield
Steven D. Hall1, Darrin M. Dodds1, Brian K. Peralisi2, Bradley Norris1, William J Rutland1, Jacob P. McNeal1, John J. Williams1 and Tyson B Raper3, (1)Mississippi State University, Mississippi State, MS, (2)Mississippi State University, Starkville, MS, (3)University of Tennessee, Jackson, TN

Refinement of Cotton Nitrogen Use Recommendations in Texas
Joshua M Doria, Texas A&M Agrilife Research, College Station, TX, Julie A. Howe, Texas AgriLife Research, College Station, TX, Gaylon Morgan, Cotton Incorporated, Cary, NC and Benjamin M. McKnight, Texas A&M University, College Station, TX

Photosynthetic Cold Acclimation in Cotton Seedlings
John L. Snider1, Cristiane Pilon1, Wei Hu2, Haimiao Wang1, Viktor Tishchenko3, William Slaton4 and Daryl Chastain5, (1)University of Georgia, Tifton, GA, (2)Nanjing Agricultural University, Nanjing, China, (3)University of Georgia, Griffin, GA, (4)University of Central Arkansas, Conway, AR, (5)Mississippi State University, Stoneville, MS

2020 Cotton Variety and Agronomy Evaluation in Northeast Texas
David R. Drake, Texas A&M Agrilife Extension Service, Commerce, TX, Amy D. Braley, Texas A&M - Commerce, Commerce, TX and Scott Stewart, Texas A&M University - Commerce, Commerce, TX

Right Balance of Macros and Micros in Modern Cotton Cultivars
Irish Lorraine B Pabuayon1, Katie L. Lewis2 and Glen Ritchie1, (1)Texas Tech University, Lubbock, TX, (2)Texas A&M AgriLife Research and Extension Center, Lubbock, TX

Impact of Soil Acidity on Cotton Production
Raedan L Sharry, Vaughn L Reed, Bronc Finch, Michaela Smith, Joao Bigatao Souza, Seth A. Byrd and Brian Arnall, Oklahoma State University, Stillwater, OK

Tuesday, January 5, 2021
Wednesday, January 6, 2021
Thursday, January 7, 2021
Zinc Sulfate and Urea Ammonium Nitrate Interaction Effects on Corn-Cotton Production System
Gurbir Singh, Wayne Ebelhar and Gurpreet Kaur, Mississippi State University, Stoneville, MS

Influence of Multiple Potassium Rates on Cotton Yield across Different Cultivars
William Joseph Rutland¹, Brian K. Pieralisi¹, Bradley Norris², Jacob P. McNeal³, Steven D. Hall¹ and John J. Williams³, (1)Mississippi State University, Starkville, MS, (2)Mississippi State University, Mississippi State, MS

Variability of Cotton Lint Yield as Predicted by Boll Counts
Wyatt Medina, Bradley R. Wilson, Cayden B. Catlin, Andrea J Althoff and Seth A. Byrd, Oklahoma State University, Stillwater, OK

Cotton Disease Council

COTTON DISEASE COUNCIL POSTERS

Kathy S. Lawrence¹, Amanda Lawrence¹, Randy Norton¹, Jiahuai Hu¹, Travis R. Faske¹, Robert Huttmacher¹, John Muller¹, Ian Small¹, Zane J. Grabau⁴, Robert C. Kemerait⁴, Paul Price⁴, Thomas W. Allen⁴, Sam Atwell⁴, John Idowu⁴, Lindsey D. Thiessen⁴, Seth A. Byrd⁴, Jerry Goodson⁴, Heather M Kelly⁴, Terry A Wheeler⁴, Thomas Isakeit⁵ and Hillary L. Mehl⁵, (1)Auburn University, Auburn, AL, (2)University of Missouri, Columbia, MO, (3)University of Kansas, Manhattan, KS, (4)Texas A&M University, College Station, TX, (5)University of Georgia, Athens, GA

Evaluation of Effectiveness and Economic Returns Associated with Fungicide Applications for Control of Acreolate Mildew
Stephanie Hollifield¹, Robert Kemerait¹ and Jared R. Whitaker¹, (1)University of Georgia, Tifton, GA

Comparative Genomics of Fov (Fusarium oxysporum f. sp. vasinfectum) in US Cotton Provides Insights into Race-Specific Regions Related to Pathogenicity and Evolution
Catherine Danmaigona Clement¹, Lin Zhang¹, Zunyong Liu¹, Steve Hague¹, Terry Wheeler¹, Jane K Dever² and Libo Shan¹, (1)Texas A&M University, College Station, TX, (2)Texas A&M AgriLife Research, Lubbock, TX, (3)Texas A&M AgriLife Research and Extension Center, Lubbock, TX
Efficacy of Phytogen Seed Treatment Products and Cultivars to Manage the Reniform Nematode in Mississippi

Tessie H. Wilkerson, Mississippi State University, Stoneville, MS, Thomas W. Allen, Mississippi State University, Delta Research and Extension Center, Stoneville, MS and Thomas Eubank, Phytogen, Greenville, MS

Efficacy of Reniform Resistant Cultivars and Commercially Available Nematicides to Manage the Reniform Nematode

Tessie H. Wilkerson1, Thomas W. Allen2, Daryl Chastain1, Sally Stetina3, Jack C. McCarty1 and Nicholus Tadlock2, (1)Mississippi State University, Stoneville, MS, (2)Mississippi State University, Delta Research and Extension Center, Stoneville, MS, (3)USDA-ARS, Stoneville, MS, (4)USDA-ARS, Mississippi State, MS, (5)Mississippi State University-Delta Research and Extension Center, Stoneville, MS

Quantification of FOV4 in Soils with Susceptible or Tolerant Cotton Cultivars

Jennifer Chagoya1, Heather Arce2, Joel Arce3, Roy Davis3, Thomas M. Chappell1, Mauricio Ulloa4 and Cecilia Monclova-Santana4, (1)Texas A&M AgriLife Research, Lubbock, TX, (2)Texas A&M AgriLife Research, El Paso, TX, (3)Texas A&M University, College Station, TX, (4)USDA-ARS, Lubbock, TX, (5)Texas A&M AgriLife Extension, Lubbock, TX

Fitness Penalty of Qoi-Resistant Isolates of C. cassincola and Sensitivity Profile to Five Fungicides

Marina Nunes Rondon, Bisho Ram Lawaju and Kathy Lawrence, Auburn University, Auburn, AL

Cultivar Response to Inoculation with Xanthomonas Citri Subsp. Malvacearum in Mississippi during 2020

Thomas W. Allen, Mississippi State University, Delta Research and Extension Center, Stoneville, MS

Cotton Damage Thresholds of M. Enterolobii in the Presence of Fusarium Oxysporum

Ashley Joyce, North Carolina State University, Raleigh, NC

Evaluation of Upland Cotton Varieties for Reaction to Fusarium Wilt Race 4 in El Paso County, Texas

Thomas Isakeit, Texas A&M University, College Station, TX and Joel Arce, Texas A&M Agrilife Extension, El Paso, TX

Analysis of the Benefits of Root-Knot Nematode Resistant Cotton Varieties within a Variety Trial

Jason E. Mallard, University of Georgia Cooperative Extension, Portal, GA and Robert Kemerait, University of Georgia, Tifton, GA

The Effect of Blocking Methylation of Sesquiterpenoids By Omt RNAi on Disease Resistance in Cotton

Tanya A Wagner1, Lorraine Puckhaber2, Alois A. Bell1, Clint W Magill4 and Jinggao Liu1, (1)USDA-ARS-ICCDRU, College Station, TX, (2)USDA-ARS, College Station, TX, (3)USDA-ARS ICCDRU, College Station, TX, (4)Texas A&M University, College Station, TX

Response of Root-Knot Nematode Resistant and Susceptible Varieties to Telone II Application in Root-Knot, Columbia Lance, and Lesion Nematode Infested Fields

Michael T. Plumblee, Tyler S. Sognier, Bill Bonnette and John Mueller, Clemson University, Blackville, SC
Evaluating Genetic Resistance and Nematicides for Reniform Nematode Management in Cotton
Morgan N McCulloch¹, Jennifer Dudak¹, Thomas Isakeit¹, Terry Wheeler², Benjamin M. Mc Knight¹, Gaylon Morgan¹ and Reagan L. Noland³, (1)Texas A&M University, College Station, TX, (2)Texas A&M AgriLife Research, Lubbock, TX, (3)Cotton Incorporated, Cary, NC, (4)Texas A&M AgriLife Extension Service, San Angelo, TX

2020 National Cottonseed Treatment Program
Rachel R. Guyer¹, Shelly Neill Pate¹, Heather M Kelly¹, Thomas W. Allen², Tessie H. Wilkerson², M. B. Bayles³, Robert Kemerialt³, Kathy Lawrence³, Cecilia Monclova-Santana³, Paul Price⁴, Alejandro Rojas⁴ and Terry Spurlock⁴, (1) University of Tennessee, Jackson, TN, (2)Mississippi State University, Delta Research and Extension Center, Stoneville, MS, (3)Mississippi State University, Stoneville, MS, (4)Oklahoma State University, Stillwater, OK, (5)University of Georgia, Tifton, GA, (6)Auburn University, Auburn University, AL, (7) Texas A&M AgriLife Extension, Lubbock, TX, (8)Louisiana State University, Winnbso, LA, (9)University of Arkansas, Fayetteville, AR, (10)University of Arkansas, Monticello, AR

Cotton Economics and Marketing Conference

COTTON ECONOMICS AND MARKETING POSTERS

A Profitability Analysis Comparing Continuous Cotton to Alternative Crop Rotations Under Limited Irrigation in Texas High Plains
Rachel Elizabeth Buck¹, Donna McCallister¹, Eduard Segarra², James P. Bordovsky³, J. T. Mustian³, David Winters³, Heath Johnson³ and Scott Jordan³, (1)Texas Tech University College of Agricultural Sciences & Natural Resources, Lubbock, TX, (2)Texas Tech University, Lubbock, TX, (3)Texas A&M AgriLife Research Center, Lubbock, TX, (4)Texas A&M AgriLife Research, Plainview, TX, (5)Texas A&M AgriLife Research & Extension Center at Lubbock - Halfway Location, Plainview, TX, (6)Texas A&M AgriLife Research and Extension Service, Lubbock, TX

Economics of Xtendflex Cotton by Tillage, Rotation, and Herbicide Input Rohith Vulchi¹, John R.C. Robinson¹, Josh McGinty², Muthu Bagavathanan² and Scott Nolte², (1)Texas A&M University, College Station, College Station, TX, (2)Texas A&M University, College Station, TX, (3)Texas A&M AgriLife Extension Service, Corpus Christi, TX

Cotton Engineering-Systems Conference

COTTON ENGINEERING-SYSTEMS POSTERS

Bench-Top Plastic Contaminant Detection in Cotton Using Deep Learning Neural Network Trained with Images Taken Under 4 Lighting Colors
Joshua H Tandio¹, Filip To¹ and Ruixiu Sui², (1)Mississippi State University, Mississippi State, MS, (2)USDA-ARS, Stoneville, MS
Moisture Determination of Cotton in Static Conditions Via Capacitive Sensing
Lucas Gay1, Filip To1 and Ruixiu Sui2, (1)Mississippi State University, Mississippi State, MS, (2)USDA-ARS, Stoneville, MS

Precision Nitrogen Fertigation Using NDVI Crop Sensors Integrated with a Lateral Move Irrigation System
Stewart M Bell1, Bulent Koc1, Joe Mari J. Maja2, Jose Payero2, Michael W. Marshall2 and Ahmad Khallilian2, (1)Clemson University, Clemson, SC, (2)Clemson University, Blackville, SC, (3)Clemson University - Edisto REC, Blackville, SC

Demonstration of Cotton Module Traceability and on-Machine Module Weighing Capabilities
Michael T. Plumblee1, Kendall R. Kirk1, Tyler S. Sognier1 and Edward M. Barnes2, (1)Clemson University, Blackville, SC, (2)Cotton Incorporated, Cary, NC

A Wireless Soil Moisture Sensing Network to Automate Site-Specific Irrigation of Cotton Using a Lateral Move Irrigation System
Jose Payero1, Rebecca Hitchcock Davis2 and Bayleah Cooper2, (1)Clemson University, Blackville, SC, (2)Clemson University, Bamberg, SC

Temporal Changes in Membrane Lipid Composition of Upland Cotton (Gossypium hirsutum) Seeds in Response to Cold Water Imbibition
Lakhvir Kaur and Rosalyn B Angeles-Shim, Texas Tech University, Lubbock, TX

Dissecting Quantitative Variation Introgressed into Four Different Backgrounds of Upland Cotton Using Variance Components Analysis and Comparative Transcriptomics
Samantha Jo Wegener1, Sameer Khanal1, Nino Brown1, Pawan Kumar1, Andrew Paterson1, Neha Kothari1 and Peng Chee1, (1)University of Georgia, Tifton, GA, (2)USDA-ARS, Salinas, CA, (3)College of Agricultural and Environmental Sciences, The University of Georgia, Athens, GA, (4)Cotton Incorporated, Cary, NC

Effects of Plant Density on Thrips Injury to Cotton
Jessica Loren Krob, University of Tennessee, Jackson, TN and Scott D. Stewart, The University of Tennessee, Jackson, TN

Maribel Portilla, USDA-ARS (SIMRU), Stoneville, MS

2020 Cotton Insect Losses Estimates
Don Cook, Mississippi State University, Stoneville, MS and Meg Threet, MSU, Stoneville, MS

Cotton Improvement Conference

COTTON IMPROVEMENT POSTERS

Cotton Insect Research and Control Conference

COTTON INSECTS POSTERS
Effect of Okra Leaf Cotton on Canopy Microclimate and Helicovera Zea (Boddie) Survival
Ivan Tellez, Jane Pierce and Patricia Monk, New Mexico State University, Las Cruces, NM

Evaluation of Insecticides for Lygus Management in California Cotton
Ian M Grettenberger, University of California-Davis, Davis, CA, CA and Treanna Pierce, UC Cooperative Extension, Shafter, CA

Cotton Quality Measurements Conference

COTTON QUALITY MEASUREMENTS POSTERS

Does Low Rates of 2,4-D Affect Cotton Fiber Quality?
Kyle Russell, Texas Tech University, Lubbock, TX, Texas A&M AgriLife Research, Lubbock, TX, Peter A. Dotray, Texas Tech University, Texas A&M AgriLife Research and Extension Service, Lubbock, TX and Brendan Kelly, Texas Tech University, Lubbock, TX

Do Metals in Cotton Affect Dyeing Efficiency?
Chanel Angelique Fortier¹, Christopher D. Delhom² and Michael K. Dowd², (1)USDA, New Orleans, LA, (2)USDA-ARS, New Orleans, LA

Cotton Utilization Conference

COTTON UTILIZATION POSTERS

Examining Cotton Maturity Distribution in Small Fiber Bundles Using an Infrared Imaging System
Michael Santiago Cintron, USDA, New Orleans, LA and Terri Von Hoven, USDA-ARS-SRRC, New Orleans, LA

Water Sorption Behaviors of Cottonseed Meal, Washed Cottonseed Meal, and Cottonseed Protein Isolate
Zhongqi He¹, David Zhang² and H.N. Cheng², (1)USDA Agricultural Research Service, New Orleans, LA, (2)USDA-ARS-SRRC, New Orleans, LA

Cotton Weed Science Research Conference

COTTON WEED SCIENCE RESEARCH POSTERS

Utility of Isoxaflutole for Weed Control in Isoxaflutole-Resistant Cotton Systems
Rodger B. Farr, Jason K Norsworthy, James W Beesinger, Jacob Flemming and Lawson Priess, University of Arkansas, Fayetteville, AR

Use of Auxin Herbicides Other Than 2,4-D in Enlist Cotton
James W Beesinger, Jason K. Norsworthy, Rodger B. Farr, Mason Castner and Lawson Priess, University of Arkansas, Fayetteville, AR
Sensitivity of Palmer Amaranth to Dicamba & Glufosinate
Navdeep Godara¹, Jason Norsworthy¹, Tom Barber², Larry Steckel³ and Lawson Priest¹, (1)University of Arkansas, Fayetteville, AR, (2)University of Arkansas-Extension, Lonoke, AR, (3)University of Tennessee, Jackson, TN

Determining the Optimum Rate of Potassium Borate Needed to Reduce Dicamba Volatility
Mason Castner, Jason K Norsworthy, Trenton L Roberts, Maria L Zaccaro and Jacob A Fleming, University of Arkansas, Fayetteville, AR

Evaluating Tolerance of HPPD-Tolerant Cotton to PRE and POST Applications of Isoxaflutole
Jacob A Fleming¹, Jason K Norsworthy¹, Tom Barber² and Rodger B. Farr¹, (1) University of Arkansas, Fayetteville, AR, (2)University of Arkansas-Extension, Lonoke, AR

Quantifying Reductions in Palmer Amaranth Groundcover Following an Auxin Herbicide Application
Lawson Priess¹, Jason K. Norsworthy¹, Rodger B. Farr¹, Mason Castner¹, Thomas R Butts² and Tom Barber³, (1)University of Arkansas, Fayetteville, AR, (2)University of Arkansas, Lonoke, AR, (3)University of Arkansas-Extension, Lonoke, AR

Performance of Tank Mix Partners with Isoxaflutole across the Cotton Belt
Delaney C. Foster¹, Peter A. Dotray¹, Todd A Baughman², Seth A. Byrd³, A. Stanley Culpepper³, Darrin M. Dodds³, Steven D. Hall³, Jacob P. McNeal³, Bradley Norris³, Reagan L. Noland³, Scott Nolte³, Mason House⁴, Jason K. Norsworthy⁴, Rodger B. Farr⁴, Larry Steckel⁴ and Corey N. Thompson⁴, (1)Texas Tech University, Texas A&M AgriLife Research and Extension Service, Lubbock, TX, (2)Oklahoma State University, Stillwater, OK, (3)University of Georgia, Tifton, GA, (4)Mississippi State University, Mississippi State, MS, (5)Texas A&M AgriLife Extension Service, San Angelo, TX, (6)Texas A&M University, College Station, TX, (7)Texas A&M University, College Station, TX, (8)University of Arkansas, Fayetteville, AR, (9)University of Tennessee, Jackson, TN, (11)BASF, Lubbock, TX

Stoneville Cotton Response to Low Rates of Dicamba and 2-4-D
Taghi Bararpour and Ralph R. Hale, Mississippi State University, Stoneville, MS

Xtend Cotton Response to Low Rates of 2-4-D
Taghi Bararpour, Ralph R. Hale, Thomas W. Allen and Tessie H. Wilkerson, Mississippi State University, Stoneville, MS

Enlist Cotton Response to Low Rates of Dicamba
Taghi Bararpour, Ralph R. Hale, Tessie H. Wilkerson and Thomas W. Allen, Mississippi State University, Stoneville, MS

Utility of Cotoran, Dual Magnum, and Warrant in Two-Pass Enlist Weed Management Programs with Enlist One and Liberty
Donnie Miller and Marcie Mize, LSU AgCenter, St. Joseph, LA

Impact of Application Timing of Dual Magnum, Warrant, and Outlook on Weed Management and Crop Tolerance in Two-Pass Programs in Xtend Cotton
Donnie Miller and Marcie Mize, LSU AgCenter, St. Joseph, LA

Kochia Control with Engenia Pre/Post Combinations
C.D. Ray White, Texas A&M AgriLife Research, Lubbock, TX, J. Wayne Keeling, Texas A&M AgriLife Research Center, Lubbock, TX, Justin Lee Spadley, Texas A&M AgriLife, Lubbock, TX and Adam Hixson, BASF, Lubbock, TX

Tuesday, January 5, 2021
Wednesday, January 6, 2021
Thursday, January 7, 2021
Cotton Response to Imazapyr, Triclopyr, and Metsulfuron
Michael W. Marshall, Clemson University - Edisto REC, Blackville, SC

Controlling Volunteer Cotton in the Southwest
Todd A Baughman, Oklahoma State University, Ardmore, OK and Peter A. Dotray, Texas Tech University, Texas A&M AgriLife Research and Extension Service, Lubbock, TX

Sustainability

COTTON SUSTAINABILITY POSTERS

Improving Cotton Sustainability: Pilot Program to Demonstrate Implementation and Benefits of the US Cotton Trust Protocol and Better Cotton Initiative (BCI) Better Cotton Program
Bill Robertson1, Amanda Free1, Matt Fryer2, Joe McAlee1, Karen Wynne1, Jesse Daystar4, Andrew Jordan5, Steven Pires4 and Whitney Haigwood1, (1) University of Arkansas, Newport, AR, (2)University of Arkansas, Little Rock, AR, (3)Better Cotton Initiative, Huntsville, AL, (4)Cotton Incorporated, Cary, NC, (5) Jordan Associates Ag and Bio Engineering Services, Cordova, TN
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 2020 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.*

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