PROGRAM
2020 Annual Meeting
January 31 - February 2, 2020
Louisville, KY

84th Year
Southern Region
American Society for Horticultural Science

100th Year
Horticulture Section
Southern Association of Agricultural Scientists

FRIDAY
7:00 am - 6:00 pm  Registration
   Building Room: Omni Hotel Lobby
8:30 am - 5:00 pm  Southern Fruit Workers
   Building Room: Omni Olmsted 2
10:00 am - 12:00 pm ACB Club Share and Networking
   Building Room: Omni Old Louisville
12:00 pm - 5:00 pm  ACB Group Activities, Tour, and Meal
   Building Room: TBA
1:00 pm - 4:45 pm  Watermelon Research Group
   Building Room: Omni Olmsted 3
1:00 pm - 5:00 pm  Horticulture Administrators
   Building Room: Omni Clifton
5:00 pm - 6:00 pm  Executive Committee Meeting
   Building Room: Omni Clifton
5:00 pm - until ACB Mixer
   Building Room: TBA

SATURDAY
7:00 am - 6:00 pm  Registration
   Building Room: Second Street Prefunction
8:00 am – 10:00 pm Poster Set Up Room
   Building Room: Omni Olmsted 4
8:00 am – 12:00 pm J. Benton Storey Horticulture Judging Contest Setup
   Building Room: Omni Olmsted 5
8:00 am - 11:15 am Extension and Education Section
   Building Room: Omni Old Louisville
8:00 am – 10:30 am J. B. Edmond Undergraduate Student Paper Competition.
   Building Room: Omni Cherokee Triangle
8:30 am - 4:00 pm  Watermelon Research Group
   Building Room: Omni Olmsted 3
10:00 am – 12:00 pm Posters Authors Pin Up Posters
   Building Room: Omni Olmsted 4
10:45 am - 3:15 pm  Norman F. Childers M.S. Student
   Building Room: Omni Olmsted 6
12:00 pm - 5:00 pm  Poster Session Viewing
12:00 pm - 5:00 pm  J. Benton Storey Horticulture Judging Contest
Building Room: Omni Olmsted 4

1:00 pm - 4:00 pm  Fruit Crops Section
Building Room: Omni Old Louisville

1:00 am - 2:45 am  Floriculture, Ornamentals and Turf Section
Building Room: Omni Olmsted 1

3:30 pm - 5:15 pm  Warren S. Barham Ph.D. Student Paper Competition
Building Room: Omni Olmsted 6

SUNDAY
7:00 am - 10:45 am  Registration
Building Room: Second Street Prefunction

8:00 am - 10:45 pm  Poster Session Viewing
Building Room: Omni Olmsted 4

8:00 am - 9:30 am  Vegetable Crops Section
Building Room: Omni Oak

8:00 am - 8:45 am  Floriculture, Ornamentals and Turf Section
Building Room: Omni Charred

8:00 am - 10:45 am  Fruit Crops Section
Building Room: Omni Barley

8:00 am - 9:00 am  Postharvest & Biotechnology Section
Building Room: Omni Wheat

9:00 am - 10:45 am  ACB Business Meeting
Building Room: Omni Commonwealth 3

11:00 am - 12:30 pm  Annual Business Meeting and Award Program
Building Room: Omni Commonwealth 3

1:00 pm - 3:00 pm  Poster Session Take Down
Building Room: Omni Olmsted 4

SAAS Program
2:30 pm - 3:30 pm  SAAS Board Meeting
Building Room: Omni Commonwealth 3

4:00 pm - 5:00 pm  SAAS General Business Meeting
Building Room: Omni Commonwealth 3

SAAS Super Bowl Party
5:00 - until  SAAS Super Bowl Party
Off site TBA

REGISTRATION
Friday  7:00 am - 6 pm,
Hotel Lobby

Saturday  7:00 am - 6 pm,
Second Street Prefunction

Sunday  7:00 am – 10:45 am
Second Street Prefunction

FRIDAY, January 31, 2020

ACB Activities
Building: Omni
Room: Old Louisville
Time: 10:00 - 12:00 Club Share
      12:00-5:00 Activity/Tour TBA
      6:00 – Mixer TBA
Presiding: Rhiannon de la Rosa, ACB-President
           Nate Phillips, ACB Advisor

SRASHS Executive Committee Meeting
Building: Omni
Room: Clifton
Time: 5:00 - 6:30
Presiding: Leo Lombardini, Chair

Working Groups
Listed at end of program

SATURDAY, February 1, 2020

STUDENT COMPETITIONS

J. BENTON STOREY UNDERGRADUATE JUDGING CONTEST
Building: Omni
Room: Olmsted 5
Time: 8:00 - 12:00 Judging Contest Set-Up
      12:00-5:00 Judging Contest
      5:00 -until Scoring contest
Presiding: Robert Eicgas, ACB President-Elect
           Steve Still, ACB Advisor for contest

J. B. EDMOND UNDERGRADUATE STUDENT PAPER
COMPETITION
Building: Omni
Room: Cherokee Triangle
Presiding: Rhiannon de la Rosa, ACB-President, Moderator
           Bodie Pennisi, SRASHS President,
           Courtesy Welcome to Undergrads
           Chris Marble, Section Chair & Judging Coordinator
Abstracts: To publish abstract in HortScience, see instructions at end of program. Submit on disk at meeting
          or email to Chair: marblesc@ufl.edu
Order of Presentations: roughly 15 min intervals

Assessing Variability of Nutritional Potency for Oil obtained from ‘Pawnee’ and ‘Kanza’ Pecans Grown
at Various Locations in Oklahoma. Jonathan Fenhaus*1, Niels Maness2 and Lu Zhang2, 1Department of
Biology and Chemistry, University of Science and Arts of Oklahoma, Chickasha, OK 73018, 2Department of
Horticulture and Landscape Architecture, Oklahoma State University, Stillwater, OK 74078.
(jfen8162@usao.edu)

Comparison of Nut Growth with Heat Unit Accumulation for Pecans Planted in Different Geographical
Locations in Oklahoma. Skylar Baldwin*1, Lu Zhang2, Charles Rohla3, Charles Fontainer2 and Niels Maness2,
Exclusion of Major Insect Pests from Squash Utilizing Row Covers. DeAnthony Price*, L.K. Carrier, and L. Brandenberger, 358 Agriculture Hall, Department of Horticulture and Landscape Architecture, Oklahoma State University, Stillwater, OK 74078. (dprice5@stallions.abac.edu)

Methods of Informal Assessment. Adeline Holder* and Shelley Mitchell., Department of Horticulture and Landscape Architecture, 358 Ag Hall, Oklahoma State University, Stillwater, OK 74078. (adholder14@hotmail.com)

Persistence and Water Use Rates of Selected Zoysiagrasses under Moderate Shade. Roy Stovall* and Charles Fontanier, Department of Horticulture and Landscape Architecture, 358 Ag Hall, Oklahoma State University, Stillwater, OK 74078. (charles.fontanier@okstate.edu)

The Biofiltration Ability of Asparagus densiflorus to Remove Sulfur Dioxide from the Indoor Atmosphere. Rhiannon A. de la Rosa1* and Mary C. Savin2, 1Department of Horticulture, University of Arkansas, Fayetteville, AR 72701, 2105B Agriculture Building, Crop, Soil and Environmental Science, University of Arkansas, Fayetteville, AR 72701. (radelaro@email.uark.edu)

Tomato Cultivar Trials and Quality Analysis for Local Fresh Markets. Ty Bowman*, L.K. Carrier, and L. Brandenberger, 358 Agriculture Hall, Department of Horticulture and Landscape Architecture, Oklahoma State University, Stillwater, OK 74078-6027. (ty.bowman@langston.edu)

Using In-Vitro Screening to Find Sources of Tolerance to Armillaria spp. in Prunus. John Nisbet*, Sarah Miller, Guido Schnabel, Gregory Reighard and Ksenija Gasic, Department of Plant and Environmental Sciences, Clemson University, SC 29634-0310. (kgasic@clemson.edu)
Effect of Hydrogen Cyanamide on Flower Production of Golden Kiwifruit. Jacob T. Kelley*, James D. Spiers¹, James R. Kessler¹, Elina D. Coneva¹, and Edgar L. Vinson², ¹Department of Horticulture, Auburn University, Auburn, Alabama 36849, ²Chilton Research & Extension Center, 120 County Road 756, Clanton, Alabama 35045. (jtk0016@auburn.edu)

Effect of pH on cucumber growth and nutrient availability in a de-coupled aquaponic system with minimal solids removal. Caroline E. Blanchard¹*, Daniel E. Wells¹, Jeremy M. Pickens², and David M. Blerch³, ¹Department of Horticulture, Auburn University, Auburn, Al 36849, ²Ornamental Horticulture Research Center, Mobile, AL 36689, ³Department of Biosystems Engineering, Auburn University, Auburn, Al 36849. (ceb0116@auburn.edu)

Evaluation of Row Covers in Yield Performance of Leafy Green Vegetables in Organic Management System. Kripa Dhakal* and Dilip Nandwani, Department of Agriculture and Environmental Sciences, Tennessee State University, Nashville, TN 37209 (dnandwan@tnstate.edu)

Factors Influencing Incidence and Severity of Bronzing Skin Disorder in Peach. John Mark Lawton*, Juan Carlos Melgar and Guido Schnabel, Department of Plant and Environmental Sciences, Clemson University, 105 Collings Street, Clemson, SC, 29634. (jlawton@g.clemson.edu)

Huanglongbing-associated Preharvest Fruit Drop in Sweet Orange. Sukhdeep Singh¹*, Tripti Vashisth¹, Christopher Vincent¹, and Fernando Alferaz¹, ¹University of Florida, IFAS, Citrus Research and Education Center, 700 Experiment Station Road, Lake Alfred, FL 33850, ²University of Florida, IFAS, Southwest Florida Research and Education Center, 2685 FL-29, Immokalee, FL 34142. (sukheepsingh@ufl.edu)

Mapping the Primocane-Fruiting Locus in Blackberry (Rubus subgenus Rubus). Mitchell E. Armour¹*, Margaret L. Worthington¹, and Bode A. Olukolu², ¹Dept. of Horticulture, 316 Plant Science Building, University of Arkansas, Fayetteville, AR 72701, ²Dept. of Entomology & Plant Pathology, 352 Plant Biotechnology Building, University of Tennessee, Knoxville, TN 37996. (mearmour@uark.edu)

Physiological and Quality Characteristics of Arkansas-grown Hops. James O. McCleelan¹*, Renee T. Threlfall¹, Amanda L. McWhirt¹, and Jackie Lee³, ¹2650 N. Young Avenue, Food Science Department, University of Arkansas, Fayetteville, AR 72704, ²2301 S. University Cooperative Extension Service, University of Arkansas, Little Rock, AR 72204. ³1749 State Hwy 818, Fruit Research Station, University of Arkansas, Clarksville, AR 72830. (jomcclel@uark.edu)

Postharvest Changes of Physical and Chemical Fruit Quality Characteristics in Three Commercial Blueberry Types During Cold Storage. Rion T. Mooneyham¹*, Savithri U. Nambeesan², D. Scott NeSmith¹, Renee M. Allen³, Dario J. Chavez¹, and Rachel A. Itle¹, ¹Department of Horticulture, University of Georgia, 1109 Experiment Street Griffin, GA 30223, ²Department of Horticulture, University of Georgia, 1111 Miller Plant Science Building, Athens, GA 30602, ³University of Georgia Extension, 203 South Dixon Street, Suite 3, Alma, GA 31510. (rionmoon@uga.edu)

Results of a Two Year Study on the Performance of Table Grape Cultivar Jupiter with Cluster Thinning Treatments Under High Tunnels at Two Locations in Arkansas. Jose Hernandez*, Virginia Beasley, Karlee Pruitt, and M. E. Garcia, Department of Horticulture, University of Arkansas, Fayetteville, AR 72701. (megarcia@uark.edu)

The Effect of Leaching Fraction-Based Irrigation on Fertilizer Longevity and Leachate Nutrient Content in a Greenhouse Environment. Claire E. Krofft¹*, Jeremy M. Pickens², Adam F. Newby³, Glenn B. Fain¹, and Jeff L. Sibley¹, ¹101 Funchees Hall, Department of Horticulture, Auburn University, Auburn, AL 36849, ²Ornamental Horticulture Research Center, P.O. Box 8276, Mobile, AL 36608, ³1300 Hickory Lane, Auburn, AL 36830 (cek0054@auburn.edu)

The Impact of Daughter-plant Harvest Technique and Nitrate: Ammonium Ratio on Asexual Reproduction in Day-neutral Strawberry (Fragaria x ananassa cv. ‘Albion’). Xiaonan Shi* and Mark Hoffmann, Department of Horticultural Science, North Carolina State University, Raleigh, NC 27695. (xshi8@ncsu.edu)
Educating Scientists on Grower Needs Related to Indoor Plant Propagation. Kristin E. Gibson*, Alexa J. Lamm, and Fallys Masambuka, Department of Agricultural Leadership, Education, and Communication, University of Georgia, Athens, GA 30602. (kristin.gibson@uga.edu)

Two Year Study of Marketability Attributes of Jupiter Table Grape Grown Under High Tunnels at Two Locations in Arkansas. Virginia Beasley1*, Renee Therlfall2, Jose Hernandez1, Karlee Pruitt1, and M. E. Garcia1. 1316 Plant Science, Department of Horticulture, University of Arkansas, Fayetteville, AR 72701, 2650 N. Young Ave. Food Science Department, University of Arkansas, Fayetteville, AR 2701. (megarcia@uark.edu)

Use of Plant Growth Regulators to Induce Uniform Flowering in Low-chill Peach Cultivar 'UFBest'. Bikash Adhikari1*, Tripti Vashisth1, Jeffrey G Williamson2, and Ali Sarkhosh3. 1700 Experiment Station Rd, Citrus Research and Education Center, Horticultural Sciences Department, University of Florida, Lake Alfred, FL 33850, 2Fifield Hall, 2550 Hull Rd, Horticultural Sciences Department, University of Florida, Gainesville, FL 32611 (b.adhikari@ufl.edu)

WARREN S. BARHAM Ph.D. GRADUATE STUDENT PAPER COMPETITION

Building: Omni
Room: Olmsted 6
Presiding: Amy Wright, Chair
Abstracts: To publish abstract in HortScience, see instructions at end of program. Submit on disk at meeting or email to Chair: wrigham@auburn.edu

Order of Presentations: roughly 15 min intervals

A Comparison of Instrumental and Sensory Approaches to Evaluating Texture Profiles in Muscadine. T.M. Chizk1*, Margaret L. Worthington1, Renee T. Threlfall2, 1Department of Horticulture, 316 Plant Science Building, University of Arkansas, Fayetteville, AR, 72701, 2 Food Science Building B-3, University of Arkansas, Fayetteville, AR 72701. (tmchizk@uark.edu)

Detection of the Gummy Stem Blight Pathogens in Watermelon Using Quick Field-Adapted Technologies. Jorge Reyes1*, Caterina Villari2, Marin Brewer3, Bhabesh Dutta3 and Cecilia McGregor1, 1Department of Horticulture, 2Warnell School of Forestry & Natural Resources, 3Department of Plant Pathology, University of Georgia, Athens, GA 30605 (jorgereyes155@uga.edu)

Discrete Blue and Red Narrowband Wavelengths Alter Flavor Volatile Profiles in Hydroponically Grown ‘Italian Large Leaf’ Basil. Hunter Hammock*, Dean Kopsell, and Carl Sams, Department of Plant Sciences, University of Tennessee, Knoxville, TN 37996. (hhammoc1@vols.utk.edu)

Effect of an Inactivated Yeast Foliar Spray on Ripening and Harvest Attributes of Chambourcin Wine Grapes. Sarah E. Mayfield* and Renee T. Threlfall, 2650 N. Young Avenue, Food Science Department, University of Arkansas, Fayetteville, AR 72704. (sem013@email.uark.edu)

Effect of Ethylene De-greening Treatment on Fruit Quality and Postharvest Storage Life of HLB-affected Mandarin Cultivars. Faisal Shahzad1*, Jeffery K. Brech2, Yu Wang1, Fred Gmitter1, Mark A. Ritenour3 and Tripti Vashisth1, 1700 Experiment Station Rd, Citrus Research and Education Center, Lake Alfred, FL 33850, 2Horticulture Sciences Department, IFAS, Gainesville, University of Florida, FL 32611, 3Indian River Research and Education Center, Fort Pierce, University of Florida, FL 34945-3138. (amiabu@ufl.edu)

Effect of Honey as a Rooting Adjuvant on Rooting of Rosa ‘Red Cascade’ Stem Cuttings. Anthony T. Bowden1*, Patricia R. Knight1, Christine Coker1, Sean Broderick2, Eugene K. Blythe3, Hamidou Sakhanokho4, and Ebrahiem Babiker1, 1Coastal Research and Extension Center, South Mississippi Branch Experiment Station, P.O. Box 193, Poplarville, MS 39470, 2Truck Crops Branch Experiment Station, 2024 Experiment Station Rd.,
Crystal Springs, MS 39059, 3College of Agriculture, Auburn University, Auburn, AL 36849, 4USDA-ARS Southern Horticultural Lab., P.O. Box 287, Poplarville, MS 39470. (ab1001@msstate.edu)

**Effect of sand-injection and air-injection cultivation on creeping bentgrass.** Naba Amgain* and Charles Fontainer, Department of Horticulture and Landscape Architecture, 358 Ag Hall, Oklahoma State University, Stillwater, OK 74078. (Naba@okstate.edu)

**Effect of Total Immersion Auxin Application Method on Florida Azalea Survivability and Root Response.** Jenny B. Ryals1*, Patricia R. Knight1, Daryl R. Chastain1, Lloyd E. Ryals III1, Christine E. H. Coker1, Gary R. Bachman1, Jim DelPrince1, Patricia R. Drackett1, and Anthony T. Bowden1. 1Coastal Research and Extension Center, Mississippi State University, Poplarville, MS 39470; 2Delta Research and Extension Center, Mississippi State University, Stoneville, MS 38776; 3Mississippi Department of Agriculture and Commerce, Bureau of Plant Industry, Mississippi State, MS 39762; 4Coastal Research and Extension Center, Mississippi State University, Biloxi, MS 39532; 5The Crosby Arboretum, Mississippi State University, Picayune, MS 39466 (j.ryals@msstate.edu)

**Efficacy of Bagging as an Alternative Insect and Disease Management Tool for Peach (Prunus persica L.) in Florida.** David Campbell1*, Jennifer Gillett-Kaufman2, Ali Sarkhosh1, Jeffrey Brecht1, and Danielle Treadwell1, 1Department of Horticultural Sciences, University of Florida, Gainesville, FL 32611; 2Department of Entomology, University of Florida, Gainesville, FL 32611. (campbell@ufl.edu)

**Evaluation of Humic Substances on Yield Performance and Quality of Cantaloupe (Cucumis melo L.) in Organic Management System.** ZaDarreyal Wiggins* and Dilip Nandwani, Department of Agriculture and Environmental Sciences, Tennessee State University, Nashville, TN 37209 (dnandwan@tnstate.edu)

**Evaluation of Humic Substances on Yield Performance of Watermelon (Citrullus lanatus [Thunb.] Matsum and Nakai) in Organic Production System.** Onyekachukwu Akaeze* and Dilip Nandwani, Department of Agriculture and Environmental Sciences, Tennessee State University, Nashville, TN 37209 (dnandwan@tnstate.edu)

**Feasibility of Genomic Selection for Brown Rot Tolerance in Peach.** Wanfang Fu*, Cassia da Silva Linge, Ralph Burrell and Ksenija Gasic, Department of Plant & Environmental Sciences, Clemson University, 105 Collings St., Clemson, SC 29634. (wfu@clemson.edu)

**Influence of Fertilizer Placement on Growth of Eclipta (Eclipta prostrata) and its Competition Effect on Ligustrum (Ligustrum lucidum) and Boxwood (Buxus microphylla).** Yuvraj Khamare*, S. Christopher Marble and Annette Chandler, University of Florida/IFAS, Mid-Florida Research and Education Center, Apopka, FL, 32703. (ykhamare@ufl.edu)

**Water Use Pattern and Intrinsic Antioxidant Machinery Confer Tetraploid Volkamer Lemon Tolerance to Various Water-Deficit Scenarios.** Muhammad Fasih Khalid1,2*, Sajjad Hussain1, Muhammad Akbar Anjum1, Christopher Vincent2, Shakeel Ahmad1, Muhammad Arif Ali1 and Raphael Morillon1, 1Faculty of Agricultural Sciences and Technology, Bahauddin Zakariya University, 60800 Multan, Pakistan. 2Citrus Research and Education Center, University of Florida, 33850 Lake Alfred, FL, United States. 3Equipe “Structure Evolutive des Agrumes, Polyplodie et Amelioration Genetique”, SEAPAG-UM AGAP-Department BIOS-CIRAD Station de Roujol 97170 Petit Bourg/Guadeloupe, France. (civince@ufl.edu)

**POSTERS**

**Building:** Omni  
**Room:** Olmsted 4  
**Presiding:** Yan Chen, Chair  
**Abstracts:** To publish abstract in *HortScience*, see instructions at end of program. Submit on disk at meeting or email to Chair: yachen@agecenter.lsu.edu
Set-Up Room: Saturday, 8:00-10:00
Mount Posters: Saturday, 10:00-noon

Poster Viewing
Saturday noon to 5:00 pm
Sunday 8:00-10:45 am

Authors at their poster:
Saturday, 1:00-3:00 pm even numbered posters
Saturday, 3:00-5:00 pm odd numbered posters
Take-down: Sunday, 1:00–3:00 pm

Student Poster Competition
UG = Indicates undergraduate poster titles
G = Indicates graduate poster titles

Floriculture, Ornamentals and Turf

1G) Honeybee (Apis mellifera L.) Visits to Crepe Myrtle (Lagerstroemia indica L.) Vary According to Proximity to Pollinator-Friendly Plants. Canaan Sutton*, Taryn Bazhaw, Martin Mendietta, Michaela Bledsoe, and Derald A. Harp, College of Agricultural Sciences and Natural Resources, Texas A&M University-Commerce, Commerce, TX 75429. (Derald.Harp@tamuc.edu)

2) Systematic Strategies to Manage Crapemyrtle Bark Scale (Acanthococcus lagerstroemiae). Runshi Xie1, Bin Wu1, Michael E Merchant2, Erfan Vafaii3, Yan Chen3, David Held4, Gary W. Knox5, Yu Zhang6, Jim Robbins4, Derald Harp6, and Mengmeng Gu7*. 1Department of Horticultural Sciences, Texas A&M University (TAMU), 2Texas A&M AgriLife Extension, 3LSU AgCenter Hammond Research Station, 4Department of Entomology and Plant Pathology, Auburn University, 5University of Florida IFAS, 6Department of Agricultural Economics, TAMU 7University of Arkansas-CES, 8Department of Agricultural Sciences, TAMU-Commerce. (mgu@tamu.edu)

3UG) Honeybee (Apis mellifera L.) Visits to Crepe Myrtle (Lagerstroemia indica L.) Vary According to Cultivar and Month. Taryn Bazhaw*, Canaan Sutton, Martin Mendietta, Michaela Bledsoe, and Derald A. Harp, College of Agricultural Sciences and Natural Resources, Texas A&M University-Commerce, Commerce, TX 75429. (Derald.Harp@tamuc.edu)

4G) Mechanical Control of Crepe Myrtle Bark Scale (Acanthococcus lagerstromiae Kuwana). Michaela Bledsoe*, Canaan Sutton, Taryn Bazhaw, Martin Mendietta, and Derald A. Harp, College of Agricultural Sciences and Natural Resources, Texas A&M University-Commerce, Commerce, TX 75429. (Derald.Harp@tamuc.edu)

5) Increasing Sustainability of Residential Areas Using Rain Gardens to Improve Pollutant Capture, Biodiversity and Ecosystem Resilience. Amy Wright1*, Jennifer Morash1, and Charlene LeBleu2. 1Department of Horticulture, 2Program of Landscape Architecture, Auburn University, Auburn, AL 36849. (wrigham@auburn.edu)

6UG) A Comparison of Pan Traps to Insect Transects for Pollinator Monitoring in Crepe Myrtle (Lagerstroemia indica L.). Martin Mendietta*, Michaela Bledsoe, Canaan Sutton, Taryn Bazhaw, and Derald A. Harp, College of Agricultural Sciences and Natural Resources, Texas A&M University-Commerce, Commerce, TX 75429. (Derald.Harp@tamuc.edu)

7G) Pretreatment Techniques for Seed Propagation in Ratibida columnifera (Nutt.) Wooten & Standl. Kaitlin Hopkins*, Michael A. Arnold1, Charles R. Hall1, H. Brent Pemberton2, and Marco A. Palma1. 1Department of Horticultural Sciences, Texas A & M University, College Station, TX 77843-2133, 2Texas A&M AgriLife Research and Extension Center at Overton, 710 N FM 3053, P.O. Box 200, Overton, TX 75684, 3Department of Agricultural Economics, Texas A&M University, 2124 TAMU, College Station, TX 77843-2124. (hopkinska@tamu.edu)

8) An Overview of the Mississippi State University Extension Farmer Florist Series. Christine Coker1*, James DelPrince1, Benedict Posadas1, Eric Stafne2, Patricia Knight2, and Christian Stephenson3. 1MSU Coastal Research and Extension Center, 1815 Popps Ferry Road, Biloxi,
Floral Bud and Fruit Development in *Hibiscus sabdariffa*. Imhotep Charles* and T.W. Zimmerman, University of the Virgin Islands Agricultural Experiment Station, RR#1 Box 10,000, Kingshill, VI 00850. (charlesimhotepetec@yahoo.com)

Effect of Sample Collection Methods on Anthocyanins in Crape Myrtle Flower Petals. Jenny B. Ryals*, Patricia R. Knight, Ebrahiem Babiker, Christine E. H. Coker, Gary R. Bachman, Daryl R. Chastain, Guihong Bi, Ben Posadas, and Lavonne Stringer. 1Coastal Research and Extension Center, Mississippi State University, Poplarville, MS 39470, 2Thad Cochran Southern Horticultural Lab, USDA-ARS, Poplarville, MS 39470, 3Coastal Research and Extension Center, Mississippi State University, Biloxi, MS 34532, 4Department of Plant and Soil Sciences, Mississippi State University, Mississippi State, MS 38762. (j.ryals@msstate.edu)

Consumer Preferences and Willingness to Pay for Poinsettia Varieties (*Euphorbia pulcherrima* L.). Caitlin McLeod*, Christine Coker, Patricia Knight, James DelPrince, Gary Bachman, Benedict Posadas and Scott Langlois, Coastal Research and Extension Center Mississippi State University, MS 39532. (cm1410@msstate.edu)

Asexual propagation of *Bucida buceras*: Air layering versus Groundlayering. Eliam Sanchez Palaez*, M. Morgan and T.W. Zimmerman, University of the Virgin Islands Agricultural Experiment Station, RR#1 Box 10,000, Kingshill, VI 00850. (elansape00@hotmail.com)

Effect of Pre-emergence Herbicides and Mulches on Rooting of Nursery Cuttings and Weed Control. Isha Poudel* and Anthony Witcher, Department of Agricultural and Environmental Sciences, Otis L. Floyd Nursery Research Center, Tennessee State University, McMinnville, TN, 37110. (ipoudel@my.tnstate.edu)

Identification and Management of *Praxelis clematidea*: A New and Troublesome Weed in Central Florida. S. Chris Marble*, Yuvraj Khamare, and Annette Chandler, Department of Environmental Horticulture, University of Florida, Mid-Florida Research and Education Center, 2725 S. Binion Rd., Apopka, FL 32703. (marblesc@ufl.edu)

Compost Substrate Amendments for Spicebushes. Allie Maternowski, Winston Dunwell, Lin Handayani, Dava Hayden, Dwight Wolfe, and Virginia Travis. School of Agriculture, Murray State University, Murray, KY. (amaternowski1@murraystate.edu)

Light response curves for creeping bentgrass under temporal shade. Naba Amgain* and Charles Fontanier, Department of Horticulture and Landscape Architecture, 358 Ag Hall, Oklahoma State University, Stillwater, OK 74078. (Naba@okstate.edu)

Multi-year Monitoring of Crapemyrtle Bark Scale Crawler Population across Louisiana. Yan Chen1*, Rodrigo Diaz2, Mengmeng Gu, Michael E Merchant, Erfan Vafaie, 1Louisiana State University AgCenter Hammond Research Station, 21549 Old Covington Hwy., Hammond LA, 2Louisiana State University AgCenter Department of Entomology, Life Science Bldg. Baton Rouge, LA, 3Texas A&M AgLife Extension. (yachen@agcenter.lsu.edu)

Influence of Cutting Type and Stem Position on Spring Cuttings of Pascagoula™ Crape Myrtle. Skylar Baldwin*, Patricia R. Knight, Scott L. Langlois, Eugene K. Blythe, Jenny B. Ryals, Christine E. H. Coker, Gary R. Bachman, and Jim DelPrince. 1Department of Biochemistry, Molecular Biology, Entomology, and Plant Pathology, Mississippi State University, Mississippi State, MS 39762, 2Coastal Research and Extension Center, Mississippi State University, Poplarville, MS 39470, 3Coastal Research and Extension Center, Mississippi State University, Biloxi, MS 39532 (jsb702@msstate.edu)

Surface Temperature Measurements in An Urban Agricultural System as A Crop Grows. K’Ori Terry*, Dr. Leigh Whittinghill, and Dr. Gebremedhin Maheteme. College of agriculture, Communities and the Environment, Kentucky State University, Frankfort, 40601. (kori.terry@kysu.edu)
Fruit Crops

20c) Using Paper Bags for Growing Peaches in Backyard Gardens: a New Horticultural Practice in the United States. Ann Kule*, Juan Carlos Melgar, Department of Plant and Environmental Sciences, Clemson University, Clemson, SC 29634. (akule@clemson.edu)

21c) Biological and Biochemical Physionomies of Pineapple Genotypes Grown under the Greenhouse Conditions in the Southern United States. ASM Harun Sorker*, Zelalul Adam and Shahidul Islam, 1Department of Agriculture /Agricultural Regulations, University of Arkansas at Pine bluff, 153 Woodard Hall, Pine Bluff, AR 71601. (isms@uapb.edu)

22) Yield Performance of Three Fall Fruiting Blackberry Selections Grown Organically in Kentucky. Jeremiah D. Lowe*, Kirk W. Pomper, and Sheri B. Crabtree. College of Agriculture, Communities, and the Environment, Kentucky State University, Cooperative Extension Building, Frankfort KY 40601-2355. (Jeremy.lowe@kysu.edu)

23c) Effects of NAA, AVG, and 1-MCP on Preharvest Fruit Drop, Fruit Maturity, and Quality of ‘AU Golden Sunshine’ Kiwifruit. Jacob T. Kelley1*, James D. Spiers1, James R. Kessler1, Elina D. Coneva1, and Edgar L. Vinson2, 1Department of Horticulture, Auburn University, Auburn, Alabama 36849, 2Department of Horticulture, 120 County Road J 756, Clinton, Alabama 35045. (jt0016@auburn.edu)

24c) Leaf and flower morphology of Ecuadorian P. serotina subsp. Capuli. Sakshi Pathania*, Juan C. Carrasco1, Carlos R. Chavez, Luis Fiallos, and Darío J. Chávez1, 1University of Georgia, Department of Horticulture, Griffin, GA, USA; 2Faculty of Natural Resources, Escuela Superior Politécnica de Chimborazo, Riobamba, Ecuador; 3Faculty of Livestock Sciences, Escuela Superior Politécnica de Chimborazo, Riobamba, Ecuador. (sp28191@uga.edu)

25) Precocious Fruit Production in 2 Year Old Bark Inlay Grafted Pawpaw Trees. Sheri B. Crabtree1*, Jeremiah D. Lowe1, Kirk W. Pomper1, and R. Neal Peterson2, 1College of Agriculture, Communities, and the Environment, Kentucky State University, Cooperative Extension Building, Frankfort KY 40601, 2Peterson Pawpaws, Harpers Ferry, WV 25425. (sheribcrabtree@kysu.edu)

26c) Rapid Digital Imaging Approach for Screening Red Drupelet Reversion in Blackberry. T.M. Chizk*, Margaret L. Worthington, and John R. Clark, Department of Horticulture, 316 Plant Science Building, University of Arkansas, Fayetteville, AR, 72701. (tmchizk@uark.edu)

27c) Apple Fruit Size Is Enhanced with Increasing 6-BA Application Number. Krittika Tonapi1*, Anish Malladi1, and Tom Kon, 11111 Miller Plant Sciences, Department of Horticulture, University of Georgia, Athens, GA 30602, 2Department of Horticultural Sciences, North Carolina State University, 455 Research Drive, Hills River, NC, 28759. (kvt71052@uga.edu)

28c) The Backbone of Fruit: Cell Wall Polysaccharides in Grafted and Non-grafted ‘Liberty’ Watermelon at Varying Levels of Hollow Heart. Marlee A. Trandel1, Penelope Perkins-Veazie1, Suzanne Johanningsmeier2, Jonathan Schultheis3 and Chris Gunter3, 1North Carolina State University, Department of Horticultural Sciences, 600 Laureate Way, Plants for Human Health Institute, Kannapolis NC 28081, 2North Carolina State University, Department of Food, Bioprocessing and Nutrition Sciences, 400 Dan Allen Drive, Schaub Hall, Raleigh NC 27606, 3North Carolina State University, Department of Horticultural Sciences, 2721 Founders Drive, Kilgore Hall, Raleigh NC 27606. (matrande@ncsu.edu)

29c) Effect of Biochar on Root Morphology and Nutrient Content in Muscadine Grape (Vitis rotundifolia L.). Yuru Chang* and Ali Sarkhosh, Horticultural Sciences Department, University of Florida, Gainesville, FL 32611-0690. (changyuru@ufl.edu)

30c) Physiological Responses of Six Prunus Rootstocks Submitted to Waterlogging Stress. Trequan McGee*, Ali Sarkhosh1, Jose Chaparro1, and Tom Beckman2; 1Horticultural Sciences Department, University of Florida, Gainesville, FL 32611. 2USD-ARS, Fruit and Tree Nut Research, Byron, GA (trequanmcgee@ufl.edu)
31G) Effect of Rootstock Cultivar on Consumer Quality Attributes of ‘Aztec Fuji’ Apple. Dylan Teel *, Elina Coneva, Floyd M. Woods, and Nylan. Holmes. Department of Horticulture, Auburn University, Auburn, AL 36849-5408. (edc001@auburn.edu)

Vegetable Crops

32G) Selection of Stable Bush-Type Southern Appalachian Heirloom Snap Beans. Mary A. Mahan* and Brian M. Leckie, School of Agriculture, Tennessee Tech University, Cookeville, TN 38505. (bleckie@tntech.edu)

33G) Insect Populations in Screened and Unscreened Summer Squash (Cucurbita pepo). DeAnthony Price*, L.K. Carrier, and L. Brandenberger, 358 Agriculture Hall, Department of Horticulture and Landscape Architecture, Oklahoma State University, Stillwater, OK 74078-6027. (dprice5@stallions.abac.edu)

34G) Small Farm Evaluation of Bush-Type Southern Appalachian Heirloom Snap Beans. Erik Koehler* and Brian M. Leckie, School of Agriculture, Tennessee Tech University, Cookeville, TN 38505. (bleckie@tntech.edu)

35G) Quality Evaluations of Fresh Market Tomatoes (Lycopersicon esculentum L.). Ty Bowman*, L.K. Carrier, and L. Brandenberger, 358 Agriculture Hall, Department of Horticulture and Landscape Architecture, Oklahoma State University, Stillwater, OK 74078-6027. (ty.bowman@langston.edu)

36) Compost Type and Rate Effects on Plant Yield and Mineral Nutrients in Bell Pepper (Capsicum annum L.). Juan C. Diaz-Pérez*. Department of Horticulture, Tifton Campus, University of Georgia, Tifton, GA 31793 (jcdiaz@uga.edu)

37) Comparative Study of Ginger Mineral Nutrient Contents. Guochen Yang*, Julia Robinson, Sanjun Gu, Zhongge (Cindy) Lu, William Lashley, and Bryce Holms, College of Agriculture and Environmental Sciences, North Carolina A&T State University, Greensboro, NC 27411. (yangg@ncat.edu)


39G) Utilization of KASP Assays for Marker Assisted Selection of Key Watermelon Traits. Samuel Manthi*, Geungjoo Lee and Cecilia McGregor, Department of Horticulture, University of Georgia, 1111 Plant Sciences Building, Athens, GA 30602, USA, Department of Horticulture, Chungnam National University, Daejeon 34134, Republic of Korea. (Samuel.Josiah@uga.edu)

40) Characterization of Southern Appalachian Heirloom Snap Beans using Genotyping by Sequencing. Brian M. Leckie* and Michael Best, School of Agriculture, Tennessee Tech University, Cookeville, TN 38505. (bleckie@tntech.edu)

41G) Influence of Deflowering on Jicama Production. Milan Philbert* and T.W. Zimmerman, University of the Virgin Islands Agricultural Experiment Station, RR#1 Box 10,000, Kingshill, VI 00850. (milkphilbert@gmail.com)

42G) Warm and Cool LED Supplements Impact Key Flavor Volatiles in Hydroponically Grown 'Purple Petra' Basil. Hunter Hammock*, Dean Kopsell, and Carl Sams, Department of Plant Sciences, University of Tennessee, Knoxville, TN 37996. (hhammoc1@vols.utk.edu)

43G) Bulked Segregant Analysis Identification of Four Gummy Stem Blight Resistance Loci in Wild Watermelon Relatives. Lincoln Adams* and Cecilia McGregor, 1401 Miller Plant Sciences, Institute of Plant Breeding, Genetics, and Genomics, University of Georgia, Athens, Georgia 30605. (Lincoln.Adams@uga.edu)

44UG) The Influence of Single and Double-Rows on Sweetpotato Production. Kervin Mathurin* and T.W. Zimmerman, University of the Virgin Islands Agricultural Experiment Station, RR#1 Box 10,000, Kingshill, VI 00850. (kervinmathurin@gmail.com)
45) **Effect of Slow Release Fertilizer on Mineral Nutrition and Fruit Yield in Bell Pepper (Capsicum annum L.)**, Juan C. Diaz-Pérez*. Department of Horticulture, Tifton Campus, University of Georgia, Tifton, GA 31793 (jcdiaz@uga.edu)

46) **Growth and Yield of Pak Choi in High Tunnels of Single- and Double-Layers of Plastic Covers.** Arjun Kafle* and Sanjun Gu. Cooperative Extension, North Carolina A&T State University, Greensboro, NC 27401. (akafle@aggies.ncat.edu)

47) **Squash Bug Ovipositional Preference within Cucurbita pepo.** Grayson DeLay*, Chelsea Sanders, and Brian M. Leckie, School of Agriculture, Tennessee Tech University, Cookeville, TN 38505. (bleckie@tntech.edu)

48) **Impact of a Shaded High Tunnel Effects for Organically-Grown Summer Lettuce in Georgia.** Savanah Laur* and T. Coolong., Department of Horticulture, University of Georgia, Athens, GA 30602 (sal98292@uga.edu)

49) **Ovipositional Preference of Silverleaf Whitefly on Benchmark Acylsugar Tomato Breeding Lines.** Brianah Castleberry1*, Erik Koehler1, Martha A. Mutschler2, and Brian M. Leckie1, 1School of Agriculture, Tennessee Tech University, Cookeville, TN 38505, 2 School of Integrated Plant Science, Plant Breeding and Genetics Section, Cornell University, Ithaca, NY 14853. (bleckie@tntech.edu)

50) **“Every Piece a Work of Art”: Ella Grant Campbell, Florist.** James M. DelPrince, Mississippi State University Coastal Research and Extension Center, 1815 Popps Ferry Rd., Biloxi, MS 39532. (JDelPrince@pss.msstate.edu)

### Post-Harvest and Biotechnology

51) **Role of Mineral Nutrition in Citrus Fruit Quality and Postharvest Storage Life of HLB-affected Mandarin cv. ‘LB8-9’ (Sugar Belle®).** Faisal Shahzad1*, Jeffrey K. Brecht2, Yu Wang1, Fred Gmitter1, Mark A. Ritenour1 and Tripti Vashisth1, 1Citrus Research and Education Center, 700 Experiment Station Rd, Lake Alfred, FL 33850, 2Horticulture Sciences Department, IFAS, Gainesville, University of Florida, FL 32611, 3Indian River Research and Education Center, Fort Pierce, University of Florida, FL 34945. (amiabu@ufl.edu)

52) **Effects of Cooling and Postharvest Storage Methods on the Quality of Broccoli (Brassica oleracea var. Italica).** Sarah E. Parker1*, Jennifer R. Wheeler1, Curtis R. Luckett2, Dennis E. Deyton1, Carl E. Sams1, 1Department of Plant Science, Institute of Agriculture, University of Tennessee, Knoxville, TN 37996, 2Department of Food Science, Institute of Agriculture, University of Tennessee, Knoxville, TN 37996. (sparke53@utk.edu)

53) **Working to Better Understand Postharvest Fresh Keeping Quality in Blueberry through Differential Gene Expression Analyses.** Rion T. Mooneyham1*, Yi-Wen Wang2, Savithri U. Nambeesan2, Dario J. Chavez1, and Rachel A. Itle1, 1Department of Horticulture, University of Georgia, 1109 Experiment Street Griffin, GA 30223, 2Department of Horticulture, University of Georgia, 1111 Miller Plant Science Building, Athens, GA 30602. (rionmoon@uga.edu)

54) **Phytochemical Profile in Finger Lime (Citrus australasica).** Bikash Adhikari1*, Manjul Dutt1, Tripti Vashisth1, 1700 Experiment Station Rd, Citrus Research and Education Center, Horticultural Sciences Department, University of Florida, Lake Alfred, FL 33850, (b.adhikari@ufl.edu)

### Cross-Commodity

55) **Evaluation of Saffron (Crocus sativa L.) in Four Growing Systems.** Pradip Poudel*, Hideka Kobayashi, Shawn Lucas and Leigh Whittinghill, College of agriculture, Communities and the Environment, Kentucky State University, Frankfort, 40601. (Pradip.Poudel@kysu.edu)

56) **Impact of Winemaking Techniques on Characteristics of Enchantment Wine.** Sarah E. Mayfield1*, Renee T. Threlfall1, and John R. Clark2, 12650 N. Young Avenue, Food Science Department, University of Arkansas, Fayetteville, AR 72704, 2316 Plant Science, Horticulture Department, University of Arkansas, Fayetteville, AR 72701. (sem013@email.uark.edu)
57UG) Comparison of Hydroponic American Ginseng (*Panax quinquefolius*) in Response to the Absence of Specific Nutrients. Elizabeth Clippard1*, Nate Phillips2, Song Cui2, Robert Eichas2, and Ying Gao2. 1Biology Department, 2School of Agriculture, Middle Tennessee State University, Murfreesboro TN, 37132. (elizabeth.clippard@gmail.com)

58G) Effect of Cooking Methods on the Bioactive Compounds and Physiological Functions of Sweetpotato Leaves (*Ipomoea batatas* L. Lam). Mosammat Briti Rabbani*, Zelalul Adam and Shahidul Islam, Department of Agriculture/Agricultural Regulations, University of Arkansas at Pine Bluff, 153 Woodard Hall, Pine Bluff, AR 71601. (islams@uapb.edu)

59) Anticipating Farmers Market Surplus for Creating Value-added Products. Morgan R. Gramlich1*, Renee T. Threlfall2, and Amanda L. McWhirt1, 1316 Plant Science, Department of Horticulture, University of Arkansas, Fayetteville, AR 72701, 2650 N. Young Avenue, Food Science Department, University of Arkansas, Fayetteville, AR 72704, 2301 S. University, Cooperative Extension Service, University of Arkansas, Little Rock, AR 72204. (mrgamli@email.uark.edu)

60UG) The Distinction of Antioxidant Capacity of Colored Sweetpotatoes (*Ipomoea batatas* L.) and Its Tops in Relation to Polyphenolic Contents. Jameka Hartson*, Zelalul Adam and Shahidul Islam, Department of Agriculture/Agricultural Regulations, University of Arkansas at Pine Bluff, 153 Woodard Hall, Pine Bluff, AR 71601. (islams@uapb.edu)

SECTION TITLES

EXTENSION AND EDUCATION

Building: Omni
Room: Old Louisville
Presiding: Mike Schnelle, Chair Extension
Richard Harkess, Chair Education

Abstracts: To publish abstract in *HortScience*, see instructions at end of program. Submit on disk at meeting or email to Chair: mike.schnelle@okstate.edu, or richard.harkess@msstate.edu

Education
8:00 The Utilization of User Fees to Manage Greenhouses and Growth Chambers at Public and Land Grant Universities. Kennedy Mayfield-Smith*, Alexa J. Lamm, Robert Stougaard, Department of Agricultural Leadership, Education, and Communication, University of Georgia, Athens, GA 30602 (Kennedy.Mayfieldsmith@uga.edu)

Extension
8:15 Using Motivations and Benefits to Calculate Match for Extension Master Gardener Volunteers. Sheri Dorn1*, Svoboda Pennisi2, Ellen Bauske2, and Uttam Bhattarai3, 1Department of Horticulture, University of Georgia, Griffin, GA 30224, 2Department of Plant Pathology, University of Georgia, Griffin, GA 30224, 3Experimental Statistics, University of Georgia, Griffin, GA 30224. (sdorn@uga.edu)

8:30 Horticulture CSI: The Latest Clues in the Search for the Long Beach Red Radish. Gary R. Bachman1*, Christine E.H. Coker1 and Patricia R. Knight1, 1Coastal Research and Extension Center, Mississippi State University, 1815 Popps Ferry Road, Biloxi, MS 39532, 2Coastal Horticulture Research, South Mississippi Branch Station, Poplarville, MS 39470. (gary.bachman@msstate.edu)

8:45 Indoor Plant Growers’ Preferred Sources of Agricultural Information. Fally Masambuka-Kanchewa*, Kristin E. Gibson and Alexa J. Lamm, Department of Agricultural Leadership and Communication, University of Georgia, Four Towers, Suite 209, 405 College Station Road, Athens, GA 30602. (fallys.masambuka@uga.edu)

9:00 Industrial Hemp Pilot Program at A&T Provides Guidance to Small Farmers in North Carolina. Sanjun Gu1*, Guochen Yang2 and Valerie Giddings3, 1Cooperative Extension, 2Department of Natural Resources and Environmental Design, 3Department of Family and Consumer Sciences, North Carolina
9:15 Break

9:30 Modernizing Extension Publications: A Case Study of U.S. Landscape Design Resources. Cheryl R. Boyer*, Jianqiao Luan, and Gregory Davis. Department of Horticulture and Natural Resources, Manhattan, KS 66506. (crboyer@ksu.edu)

9:45 Dealing a Winning Strategy: An Integrated Pest Management Card Deck for Extension Learning. Cheryl R. Boyer1*, Frannie L. Miller2, and Brooke M. Garcia2. 1Department of Horticulture and Natural Resources, Kansas State University, Manhattan, KS 66506, 2Department of Entomology, Kansas State University, Manhattan, KS 66506. (crboyer@ksu.edu)

10:00 Implementation of an LSU AgCenter K-12th School Garden Leadership Workshop to Assess and Teach Basic Horticulture Skills. Celine Richard1,2*, Kiki Fontenot2, Edward Bush1,2, Pam Blanchard1 and Carl Motsenboker1,2, 1Louisiana State University, Baton Rouge, LA 70803; 2Louisiana State University Agricultural Center, Baton Rouge, LA 70803. (crich99@lsu.edu)

10:15 Trail Users’ Perceptions of Plant Species as a Tool for Future Design in Restoring Degraded Landscapes. Rachel Bechtold*, Catherine W. Shoulders, Jennie Popp, Lisa Wood, Elena Garcia, and Donald M. Johnson. Department of Agricultural Education, Communications and Technology, University of Arkansas, Fayetteville, AR 72701. (cshoulde@uark.edu)

10:30 Break

10:45 The Effectiveness of an Online Webinar Platform for Training Cooperative Extension Agents in Blueberry Production. Amanda McWhirt1*, Bill Cline2, Ryan Neal3, Lizzy Herrera1 and Mary Poling4. 12301 S. University, Department of Horticulture, University of Arkansas Cooperative Extension Service, Little Rock, AR 72204, 23800 Castle Hayne Rd, Department of Entomology and Plant Pathology, Horticultural Crops Research Station, North Carolina State University, Castle Hayne, NC 28429, 31204 SW 14th St. Suite 2, Benton County University of Arkansas Cooperative Extension Service, Bentonville, AR 72712, 42301 S. University, Department of Information Technology, University, University of Arkansas Cooperative Extension Service, Little Rock, AR 72204. (amcwhirt@uaex.edu)

11:00 Promoting Tall Rridged Beds to Improve Plant Stand, Growth and Production of Vegetable Crops in Areas Prone to Flooding Conditions. Ramón A. Arancibia. University of Missouri Extension, WC Region, Butler, MO 64730. (Raa522@missouri.edu)

FLORICULTURE, ORNAMENTALS AND TURF

Building: Omni
Room: Olmsted 1
Presiding: Jeb Fields, Chair
Abstracts: To publish abstract in HortScience, see instructions at end of program. Submit on disk at meeting or email to Chair: Jeb Fields, jfields@agcenter.lsu.edu

1:00 Short-term Effects of Basal Stem Glufosinate Applications to Nursery Trees. Anthony L. Witcher*, Department of Agricultural and Environmental Sciences, Otis L. Floyd Nursery Research Center, Tennessee State University, 472 Cadillac Ln., McMinnville, TN 37110. (awitcher@tnstate.edu)

1:15 From Pot to Reservoir: Tracking Nitrogen Movement at a SC Nursery. Sarah A. White*, John C. Majsztrik1, William H.J. Strosnider2, Lauren M. Garcia Chance1, Natasha L. Bell1, and Daniel R. Hitchcock3. 1E-143 Poole Agricultural Center, Department of Plant and Environmental Sciences, Clemson University, Clemson, SC 29634, 22306 Crabhall Rd, Belle W. Baruch Institute for Marine and Costal Sciences, University of South Carolina, Georgetown, SC 29442, 3East 5th Street, Department of Engineering, East Carolina University, Greenville, NC 27858, 4177 Hobcaw Rd. Department of Agricultural Sciences, Clemson University, Georgetown, SC 29442 (swhite4@clemson.edu)
1:30 Substrate stratification: A media management strategy for increased resource efficiency. Jeb S. Fields1, James S. Owen, Jr.2, and James Altland2, 1 Hammond Research Station, 21549 Old Covington Hwy, Louisiana State University Agricultural Center. Hammond, LA 70403, 2 Hampton Roads Agricultural Research and Extension Center, 1444 Diamond Springs Rd., Virginia Tech, Virginia Beach, VA 23455, and 3USDA-ARS, 1680 Madison Ave., Wooster, OH 44691. (JSFields@agcenter.lsu.edu)

1:45 Analysis of energy use and its impact on carbon footprint of four greenhouse model systems. Dewayne L. Ingram1, Charles R. Hall2 and Joshua Knight1, 1Department of Horticulture, University of Kentucky, Lexington, KY 40506 and 2Department of Horticulture, Texas A&M University, College Station, TX 77843. (dingram@uky.edu)

2:00 Break

2:15 Carbohydrate allocation of creeping bentgrass under temporal shade. Saydi Loewer, Naba Amgain*, Paden House, and Charles Fontanier. Department of Horticulture and Landscape Architecture, 358 Ag Hall, Oklahoma State University, Stillwater, OK 74078. (Naba@okstate.edu).

2:30 Boxwood dieback: A new disease of boxwood in the United States. Raj Singh, Plant Pathology and Crop Physiology Department, 434 Life Sciences Building, Louisiana State University Agricultural Center, Baton Rouge, LA 70803. (rsingh@agcenter.lsu.edu)

2:45 Climate change raises unforeseen challenges to plant development and specification for sustainable 21st century built environments. Michael A. Arnold*, Department of Horticultural Sciences, Texas A&M University, College Station, TX 77843. (ma-arnold@tamu.edu)

FRUIT CROPS
Building: Omni
Room: Old Louisville
Presiding: Justin Scheiner, Chair
Abstracts: To publish abstract in HortScience, see instructions at end of program. Submit on disk at meeting or email to: jscheiner@tamu.edu

1:00 Canopy Management Evaluation of Three Arkansas Table Grape Cultivars: Gratitude, Faith, and Jupiter Grown Under a High Tunnel System. Jose Hernandez1*, Virginia Beasley1, Karlee Pruitt1, and M. E. Garcia1, 316 Plant Science, Department of Horticulture, University of Arkansas, Fayetteville, AR 72701. (megarcia@uark.edu)

1:15 Post-harvest Storage Performance of Three Table Grape Cultivars: Gratitude, Faith, and Jupiter Under a High Tunnel System. Virginia Beasley1, Renee Therlfall2, Jose Hernandez1, Karlee Pruitt1, and M. E. Garcia1, 316 Plant Science, Department of Horticulture, University of Arkansas, Fayetteville, AR 72701, 2650 N. Young Ave. Food Science Department, University of Arkansas, Fayetteville, AR 72701. (megarcia@uark.edu)

1:30 Link Between Fruit Development and Mature Fruit Drop in Huanglongbing-Affected Sweet Orange (Citrus sinensis). Lisa Tang*, Sukhdeep Singh, and Tripti Vashisth, Citrus Research and Education Center, University of Florida, Lake Alfred, FL 33850. (tvashisth@ufl.edu)

1:45 Update on UGA Research for Irrigation and Fertilization Practices for Young Peach Trees in the Southeastern United States. Bruno Casamali1, Marc W. van Iersel2, and Dario J. Chavez*1, 1109 Experiment St., Dept of Horticulture, Univ of Georgia, Griffin, GA 30223, 21111 Miller Plant Science Bldg., Dept of Horticulture, Univ of Georgia, Athens, GA 30602 (dchavez@uga.edu)

2:00 Identifying Quality and Sensory Attributes of Arkansas-grown Hops. Renee T. Threlfall1*, Amount VanDamme1, James O. Mc Cleelan1, Amanda L. McWhirt2, and Jackie Lee1, 2650 N. Young Avenue, Food Science Department, Univ of Arkansas, Fayetteville, AR 72704, 22301 S. University Cooperative Extension Service, Univ of Arkansas, Little Rock, AR 72204, 31749 State Hwy 818, Fruit Research Station, Univ of Arkansas, Clarksville, AR 72830. (rthrelf@uark.edu)

2:15 Break
2:30 Consumer Sensory Attributes of Arkansas Fresh-Market Blackberry Cultivars that Impact Marketability. Renee T. Threlfall1*, John R. Clark2, and Margaret L. Worthington2, 12650 N. Young Avenue, Food Science Department, University of Arkansas, Fayetteville, AR 72704, 2316 Plant Science, Horticulture Department, University of Arkansas, Fayetteville, AR 72701. (rthrelf@uark.edu)

2:45 Evaluating the Potential for Contamination of Grapevine Petiole Versus Whole Leaf Tissue Samples for Nutrient Analysis. Justin Scheiner* and Fran Pontasch, Depart of Horticultural Sciences, Texas A&M Univ, Texas A&M AgriLife Extension, TAMU, College Station, TX 77843. (jscheiner@tamu.edu)

3:00 Effect of Foliar Application of ERGER on Growth and Fruit Quality of Peach cv. ‘UFSun’. Shirin Shahkoomahally and Ali Sarkhosh. Department of Horticultural Science, Univeristy of Floriday, Gainesville, FL 32611. (s.shahkoomahally@ufl.edu)

3:15 Two Year Evaluation of Biopesticide Combinations for Plasticulture Strawberries Grown in High Tunnels in Arkansas. M. Elena Garcia*, Karlee Pruitt1, Russ Wallace2, 1316 Plant Science, Department of Horticulture, University of Arkansas, Fayetteville, AR 72701, 2 1102 East FM 1294, Texas A&M University, Lubbock, TX 79403. (megarcia@uark.edu)

3:30 Post-harvest Broad Mite (Polyphagotarsonemus latus) Infestations in Arkansas Blackberry. Aaron J. Cato, 2301 South University Ave, Department of Horticulture, University of Arkansas, Little Rock, AR, 72204. (acato@uaex.edu)

3:45 Freezing Temperature Responses of Flower Stigmas on “Pawnee”, “Kanza” and “Maramec” Pecan Trees. Lu Zhang*, Niels Maness and Justin Moss, Department of Horticulture & Landscape Architecture, Oklahoma State University, Stillwater, OK 74078. (luzhang@okstate.edu)

Sunday, February 2, 2020

ACB BUSINESS MEETING
Building: Omni
Room: Commonwealth 3
Time: 9:00 – 10:45
Presiding: Rhiannon de la Rosa, President

ANNUAL BUSINESS MEETING AND AWARDS PROGRAM
Building: Omni
Room: Commonwealth 3
Time: 11:00-12:30
Presiding: Bodie Pennisi, President

POSTER VIEWING & TAKE-DOWN
POSTERS
Building: Omni
Room: Olmsted 4
Presiding: Yan Chen, Chair
Poster Viewing: Sunday 8:00-10:45
Poster Take-down: Sunday, 1:00 – 3:00

SECTION TITLES
VEGETABLE CROPS
Building: Omni
Room: Oak
Presiding: Peter Dittmar, Chair
Abstracts: To publish abstract in *HortScience*, see instructions at end of program. Submit on disk at meeting or email to Chair: pdittmar@ufl.edu

8:00 **Effect of Carolina Strongback Watermelon Rootstock on Grafted Greenhouse Cucumber Production.** Richard L. Hassell*, Coastal Research and Education Center, Clemson University, Charleston, SC 29414. (rhassel@clemson.edu)


8:30 **Effect of multi-cropped plastic mulching on yellow squash and zucchini production.** Andre Luiz Bicaia da Silva*, Joara Secchi Candian, Elizanilda Ramalho do Rego. Department of Horticulture, University of Georgia, Tifton, GA 31793. (adasilva@uga.edu)

8:45 **Farmers’ Opinions of Cover Crop Integration in Specialty Crop Systems in Puerto Rico and St. Croix, USVI.** Danielle Treadwell1*, Jose Perez1, Stuart Wiess2, and David Campbell1. 1P.O. Box 110690, Horticultural Sciences Department, University of Florida-IFAS, Gainesville, FL 32611, 2Univesrity of the Virgin Islands (UVI) Agricultural Experiment Station (AES), RR#1, Box 10000, Kingshill, U.S. Virgin Islands 008050 (ddtreadw@ufl.edu)

9:00 Break

9:15 **Weed Control in Bok Choy following Cover Crops with and without S-metolachlor.** Peter J. Dittmar1* and Nathan Boyd2. 1Horticultural Sciences Department, University of Florida, Gainesville, FL 32611, 2Gulf Coast Research and Extension Center, Wimauma, FL 33598. (pdittmar@ufl.edu)

9:30 **Comparison of Tomato Genotypes Grown Under Conventional and Organic Production System for Nutrient Composition and Fruit Quality.** Dilip R. Panthee1* and Penelope Perkins-Veazie2. 1Department of Horticultural Science, North Carolina State University, Mountain Horticultural Crops Research & Extension Center, 455 Research Dr., Mills River, NC 28759, 2Department of Horticultural Science, North Carolina State University, Plants for Human Health Institute, NC Research Campus, 600 Laureate

FLORICULTURE, ORNAMENALS AND TURF
Building: Omni
Room: Charred
Presiding: Jeb Fields, Chair
Abstracts: To publish abstract in *HortScience*, see instructions at end of program. Submit on disk at meeting or email to Chair: Jeb Fields, jfields@agcenter.lsu.edu

8:00 **Current and future supply and demand for growing media in North America.** Brian E. Jackson, Department of Horticultural Science, NC State University, Raleigh, NC 27695. (Brian_Jackson@ncsu.edu)

8:15 **Advancements in soilless substrates: Engineering, composition, and amendments.** Brian E. Jackson, Department of Horticultural Science, NC State University, Raleigh, NC 27695. (Brian_Jackson@ncsu.edu)

8:30 **Marketing Matters: Interpreting survey-based heatmaps to understand consumer preferences for elements of Facebook posts designed to market petunias online.** Anissa M. Zagonel1*, Lauri M. Baker1, Cheryl R. Boyer1, and Hikaru H. Peterson4, 1Center for Rural Enterprise Engagement, University of Florida, Gainesville, FL 32611, 2Department of Agricultural Education and Communication,
8:45 Transdisciplinary work in horticulture: The center for rural enterprise engagement. Cheryl R. Boyer1*, Hikaru H. Peterson2, and Lauri M. Baker3. 1Department of Horticulture and Natural Resources, Kansas State University, Manhattan, KS 66506, 2Department of Applied Economics, University of Minnesota, St. Paul, MN 55108, 3Department of Agricultural Education and Communication, University of Florida, Gainesville, FL 32611. (crboyer@ksu.edu)

9:00 Break

9:15 Rain or irrigation: A container plant producer’s challenge. Tom Yeager*, Department of Environmental Horticulture, University of Florida, IFAS, Gainesville, FL 32611. (yeagert@ufl.edu)

9:30 Fertilizer strategies to improve post-production performance of container-grown petunia. Ryan Dickson, Department of Horticulture, University of Arkansas, Fayetteville, AR 72701. (ryand@uark.edu)

9:45 Evaluating peat substrate amended with wood products for effects on nitrogen immobilization and plant performance with petunia. Kalyn Helms, Department of Horticulture, University of Arkansas, Fayetteville, AR 72701 (kmhelms@uark.edu)

10:00 Improving Nursery Crop Pest Management with Precision Pesticide Application Technology. Amy Fulcher1*, Lauren Fessler1, Wesley Wright2, Heiping Zhu1, Trystan Bordeau1, and Luc Nadaud1, 1Department of Plant Sciences, 2505 E.J. Chapman Drive, University of Tennessee, Knoxville, TN 37996-4500, 2Biosystems Engineering and Soil Science, 2506 E.J. Chapman Drive, University of Tennessee, Knoxville, TN 37996-4531, and 3USDA-ARS, 1680 Madison Ave., Wooster, OH 44691. (afulcher@utk.edu)

FRUIT CROPS

Building: Omni
Room: Barley
Presiding: Justin Scheiner, Chair
Abstracts: To publish abstract in HortScience, see instructions at end of program. Submit on disk at meeting or email to Chair: jscheiner@tamu.edu

8:00 Higher Renovation Pruning Height Improves Early Yields of ‘Woodard’ Rabbiteye Blueberry. Eric T. Stafne1* and Barbara J. Smith2, 1South Branch Experiment Station, Coastal Research and Extension Center, Mississippi State University, 810 Hwy 26 West, Poplarville, MS 39470, 2USDA-ARS Thad Cochran Southern Horticultural Laboratory, 810 Hwy 26 West, Poplarville, MS 39470. (eric.stafne@msstate.edu)

8:15 Additional Nitrogen Application May Reduce White Drupelet Disorder in ‘Sweetie Pie’ Blackberry. Eric T. Stafne1* and Barbara J. Smith2, 1South Branch Experiment Station, Coastal Research and Extension Center, Mississippi State University, 810 Hwy 26 West, Poplarville, MS 39470, 2USDA-ARS Thad Cochran Southern Horticultural Laboratory, 810 Hwy 26 West, Poplarville, MS 39470. (eric.stafne@msstate.edu)

8:30 Assessment of Size Controlling Peach Rootstocks for High Density Orchards in Alabama. Elina D. Coneva, 101 Funchess Hall, Department of Horticulture, Auburn University, Auburn, AL 36849. (Edc0001@auburn.edu)

8:45 Response of Young Field-Grown Kiwifruit (Actinidia chinensis Planch. and A. deliciosa A. Chev.) Plants to Fall Frost. Tim Hartmann1*, David Creech2, Larry Stein3, and Justin Scheiner1 1Department of Horticultural Sciences, Texas A&M University, College Station, Texas 77843 2SFA Gardens, Stephen F. Austin State University, Nacogdoches, TX 75962, 3Department of Horticultural Sciences, Texas A&M University, Uvalde, TX 78802 (t-hartmann@tamu.edu)
9:00 Breeding for Prunus Rootstock Tolerance to Replant Diseases. Ksenija Gasic1*, Sarah Miller1, Goran Barac2, Christopher Saski1, Guido Schnabel1 and Gregory Reighard1, 1Department of Plant and Environmental Sciences, Clemson University, Clemson, SC 29634-0310, 2Faculty of Agriculture, University of Novi Sad, Novi Sad 21000, Serbia. (kgasic@clemson.edu)

9:15 Break

9:30 Evaluation of Growth and Physiological Responses of HLB Affected Citrus Trees to Thermotherapy. Pawan Kumar*, Megan Dewdney, Evan Johnson and Tripti Vashisth, Citrus Research and Education Center, University of Florida/IFAS, 700 Experiment Station Rd. Lake Alfred, FL 33850. (tvashisth@ufl.edu)

9:45 Exploring Potassium Balance in Southeastern Peach Orchards. Brian T. Lawrence1*, Qi Zhou2,1, and Juan Carlos Melgar1, 1Department of Plant and Environmental Sciences, Clemson University, Clemson, SC 29631, 2University of California Cooperative Extension, Santa Clara County, 1553 Berger D. Bldg. 1, San Jose, CA 95112. (btlawre@g.clemson.edu)

10:00 History, Inventory and Contributions of the Small Fruit Program at Stephen F. Austin State University. David Creech* and Malcolm Turner, SFA Gardens, Stephen F. Austin State University, Nacogdoches, TX 75962. (dcreech@sfasu.edu)

10:15 Effect of Calcium Sulfate on Southern Highbush Blueberry Establishment. Erick D. Smith1*, Chelsea Matewe2, Jonathan Oliver2, 1Department of Horticulture, University of Georgia – Tifton Campus 31793, 2Department of Pathology, University of Georgia – Tifton Campus 31793. (ericks@uga.edu)

10:30 Fruit Characterization of Ecuadorian P. serotina subsp. Capuli. Sakshi Pathania1*, Juan C. Carrasco2, Carlos R. Chavez2, Luis Fiallos3, and Dario J. Chavez1 1University of Georgia, Department of Horticulture, Griffin, GA, USA; 2Faculty of Natural Resources, Escuela Superior Politécnica de Chimborazo, Riobamba, Ecuador; 3Faculty of Livestock Sciences, Escuela Superior Politécnica de Chimborazo, Riobamba, Ecuador. (sp28191@uga.edu)

POSTHARVEST AND BIOTECHNOLOGY

Building: Omni
Room: Wheat
Presiding: Anne Randle, Chair
Abstracts: To publish abstract in HortScience, see instructions at end of program. Submit on disk at meeting or email to Chair: arandle@uga.edu

8:00 Partial Extraction of Aromatic Compounds from Dehydrated Herbs: Basil (Ocimum sp. L.) and Cilantro (Coriandrum sativum L.). Niels Maness1*, Elif Kalkan1, Jasreen Sekhon2, Carol Jones3, and Donna Chrz1, 1Department of Horticulture and L.A., 358 Ag. Hall, Oklahoma State University, Stillwater, OK 74078, 2Department of Culinary Arts and Food Science, Drexel University, 3141 Chestnut Street, Philadelphia, PA 19104, 3Department of Biosystems and Agricultural Engineering, 216 Ag. Hall, Oklahoma State University, Stillwater, OK 74078. (niels.maness@okstate.edu)

8:15 Diabetes to Cancer: Plants in Oklahoma That Can Make a Difference. Niels Maness*1, Jonathan Fenhaus2, Katelyn Stenmark1 and Lu Zhang1, 1Department of Horticulture and Landscape Architecture, Oklahoma State University, Stillwater, OK 74078, 2Department of Biology and Chemistry, University of Science and Arts of Oklahoma, Chickasha, OK 73018. (niels.maness@okstate.edu)

8:30 Postharvest Extraction of Pecan Oil: Quantitation of Tocopherols, Tocotrienols and Squalene in Oklahoma Pecan Cultivars. Jonathan Fenhaus*, Niels Maness2 and Lu Zhang2, 1 Department of Biology and Chemistry, University of Science and Arts of Oklahoma, Chickasha, OK 73018, 2Department of Horticulture and Landscape Architecture, Oklahoma State University, Stillwater, OK 74078. (jfen8162@usao.edu)

8:45 Harvesting, Extraction Processing and Purification of Podophyllotoxin from Eastern Red Cedar (Juniperus virginiana L.) in Oklahoma. Katelyn Stenmark* and Niels Maness, Department of
9:00 Hollow heart disorder and its relationship to cell wall pectins in grafted and non-grafted ‘Liberty’ watermelon. Marlee A. Trandel*, Penelope Perkins-Veazie, Suzanne Johanningsmeier, Jonathan Schultheis and Chris Gunter. North Carolina State University, Department of Horticultural Sciences, Kannapolis NC 28081, North Carolina State University, Department of Food, Bioprocessing and Nutrition Sciences, 400 Dan Allen Drive, Schaub Hall, Raleigh NC 27606, North Carolina State University, Department of Horticultural Sciences, 2721 Founders Drive, Kilgore Hall, Raleigh NC 27606. (matrande@ncsu.edu)

9:15 Break

9:30 Pumpkin Postharvest: Stem Retention and Moisture with Storage. Penelope Perkins-Veazie*, Jonathan Schultheis and Travis Birdsell. Plants for Human Health Institute, Department of Horticultural Science, North Carolina State University, Kannapolis, NC 28081, 2721 Founders Dr, Government Circle Suite 202, Jefferson, NC 28695. (penelope_perkins@ncsu.edu)

9:45 Evaluating Rhubarb as a New Crop for North Carolina. Penelope Perkins-Veazie*, Danelle Cutting, Der Holcomb, Lenny Rogers, Kira Sims, Hunter Barrier, Matt Lenhardt, Lauren Hill, April Vigardt, Michael Fine and Elina Snyder. Plants for Human Health Institute, Department of Horticultural Science, North Carolina State University, Kannapolis, NC 28081, 217 S Main St, Salisbury, NC 28144, 151 W Main Ave, Taylorsville, NC 28681, 8530 Sherrills Ford Rd, Salisbury, NC 28147, 444 Bristol Dr, Statesville, NC 28677, 715 Cabarrus Ave W, Concord, NC 28027, 1175 S Brady Ave # 2, Newton, NC 28658, 2727 Old Concord Rd, Salisbury NC 28146, 416 Executive Dr, Wilkesboro, NC 28697. (penelope_perkins@ncsu.edu)

10:00 Impact of Postharvest and Processing of Fruits and Vegetables on Nutritional Security. Bhimanagouda S. Patil*, G.K. Jayaprakasha, Jashbir Singh and Pratibha Acharya. Vegetable and Fruit Improvement Center, Department of Horticultural Sciences, USDA National Center of Excellence, Texas A&M University, College Station, TX 77843. (b-patil@tamu.edu)

10:15 Effect of Ethylene De-greening Treatment on Fruit Quality and Postharvest Storage Life of HLB-affected Mandarin Cultivars. Faisal Shahzad*, Jeffrey K. Brecht, Yu Wang, Fred Gmitter, Mark A. Ritenour and Tripti Vashisth. 700 Experiment Station Rd, Citrus Research and Education Center, Lake Alfred, FL 33850, Horticulture Sciences Department, IFAS, Gainesville, University of Florida, FL 32611, Indian River Research and Education Center, Fort Pierce, University of Florida, FL 34945-3138. (amiabu@ufl.edu)

10:30 Preliminary investigation of role of rootstock cultivar on metabolite redox control in “Aztec Fuji” apple. Floyd M. Woods*, Elina Coneva, Dylan Teel, and Nylan Holmes. Department of Horticulture, Auburn University, Auburn, AL 36849-5408. (woodsfm@auburn.edu).

ANNUAL BUSINESS MEETING AND AWARDS PROGRAM

Building: Omni
Room: Commonwealth 3
Time: 11:00 12:30
Presiding: Bodie Pennisi, President

WORKING GROUPS

(Contact Chairs for Agenda and order of business meeting and presentations if not given)

Watermelon Research Group
Presiding: Daniel Engle, Chair
Friday, January 31, 2020

1:00  Introductions: All in attendance

1:45  Effects of Early Grafted Watermelons on Three Commercial Watermelon Cultivars Using Row Covers and Colored mulches. Dr. Richard L. Hassell, Clemson University, Coastal Research and Education Center, Charleston, SC USA

2:00  Effects of Hybrids Generated from Rootstock (Carolina Strongback) on Earliness, Fruit Quality, and Yields Grafted on Cultivar Sweet Dawn. Dr. Richard L. Hassell, Clemson University, Coastal Research and Education Center, Charleston, SC USA

2:20  Performance of Grafted Watermelons at Reduced Density in Indiana. Wejing Guan, Purdue University.

2:40  Discoveries in cell wall architecture of watermelon with hollow heart. Marlee A. Trandel1*, Penelope Perkins-Veazie1, Suzanne Johanningsmeier2, Jonathan Schultheis3 and Chris Gunter North Carolina State University, Plants for Human Health Institute, North Carolina State University.

3:00  20 minutes break

3:20  Particle Films and Growth Regulators for Stress Reduction in Watermelons. Gordon C. Johnson*, Department of Plant and Soil Sciences, University of Delaware, Elbert N. and Ann V. Carvel Research and Education Center, 16483 County Seat Highway, Georgetown, DE 19947. (gejohn@udel.edu)

3:35  Break


4:15  Watermelon Makes Headlines – 2019. Mark Arney, Executive Director of the National Promotion Board

4:35  Adjourn

Saturday, February 1, 2020

8:30  Introductions: All in attendance

9:15  Regional Watermelon Production Updates

Florida, Georgia, Carolinas, Delaware/Maryland, Mid-West, West USA

9:45  Variety updates from Seed Companies

10:00  2019 Seedless Watermelon Evaluation in Georgia.

10:15  2019 South Carolina Seedless and Mini Watermelon Variety Trial Results.

10:30  20 Minutes Break

10:50  2019 Watermelon Variety Evaluation in Indiana

11:05  Standard and Mini Seedless Watermelon Variety Trials Conducted by University of Delaware Cooperative Extension in 2019. Gordon Johnson* and Emmalea Ernest, Department of Plant and Soil Sciences, University of Delaware, Elbert N. and Ann V. Carvel Research and Education Center, 16483 County Seat Highway, Georgetown, DE 19947. (gejohn@udel.edu)
11:20 A new tool to help growers selecting watermelon varieties and pollinizers. Andre Luiz Biscaia Ribeiro da Silva, Ph.D., University of Georgia.

11:35 Lunch Break

1:30 Quantitative trait loci (QTL) associated with resistance to major diseases of watermelon identified by the CucCAP team. Sandra Branham, Pat Wechter, Shaker Kousik, Kai-shu Ling, and Amnon Levi.

1:50 Is There Light at the End of the Gummy Stem Blight Tunnel? Cecilia McGregor¹*, Winnie Gimode², Lincoln Adams², and Jorge Reyes¹, ¹Department of Horticulture, University of Georgia, 1111 Miller Plant Science Bldg., Athens, GA, 30302, ²Institute of Plant Breeding Genetics and Genomics, University of Georgia, 1111 Miller Plant Science Bldg., Athens, GA, 3030630602. (cmcgrel1@uga.edu)

2:10 A web application designed to search for pest management solutions for watermelon and other vegetables. Dan Egel, Dept. of Botany and Plant Pathology, Purdue University

2:40 Management of Fusarium wilt of watermelon transplants in the greenhouse. Dan Egel, Dept. of Botany and Plant Pathology, Purdue University

WRDG Business

3:00 Hot Topics
Website
New vice-chair selection
Upcoming meetings

4:00 Adjourn

Southern Fruit Workers
Presiding: Rachel Itle
asha@uark.edu
Building: Omni
Room: Olmsted 2
Friday: 9:00 am – 5:00 pm

Horticulture Administrators
Presiding: Dean Kopsell, Chair
dean.kopsell@ufl.edu
Building: Omni
Room: Clifton
Friday: 1:00 pm – 5:00 pm

National Sweetpotato Working Group
Presiding: Lina Quesada
Location: Does not meet with SRASHS this year
Meets with US Sweetpotato Council
January 24-25
Nashville, TX

SAAS Meetings

SAAS Board Meeting
Bldg/Room: Omni Commonwealth 3
Time: 2:30 PM–3:30 PM
SAAS General Business Meeting
Bldg/Room: Omni Commonwealth 3
Time: 4:00 PM–4:30 PM

SAAS Social/Super Bowl Party
Place: Griff’s Restaurant
Time: 5:00 PM – until