

**SOUTHERN REGION**

**AMERICAN SOCIETY**

**FOR**

**HORTICULTURAL SCIENCE**

**66th ANNUAL MEETING**

**Orlando, Florida  
Wyndham Orlando Resort  
February 4 - 6, 2006**

**SOUTHERN REGION**

**AMERICAN SOCIETY FOR  
HORTICULTURAL SCIENCE**

**Dr. David Wm. Reed President**  
**Department of Horticultural Science**  
**Texas A&M University**  
**College Station, Texas 77843-2133**

**Dr. D. Scott NeSmith, President-Elect**  
**Department of Horticulture**  
**University of Georgia-Griffin Campus**  
**1109 Experiment Street**  
**Griffin, Georgia 30223-1797**

**Dr. Paul L. Smeal, Secretary-Treasurer**  
**1107 Kentwood Drive, SE**  
**Blacksburg, Virginia 24060-5656**

**SECTION**

Education  
 Extension  
 Floriculture, Ornamentals & Turf  
 Fruit Crops  
 Posters  
 Postharvest/Biotech./Plant Biology  
 Vegetable Crops  
 Collegiate Branch  
 Graduate Students

**CHAIRPERSON**

Cynthia McKenney, Texas  
 Winston Dunwell, Kentucky  
 John Ruter, Georgia  
 James Ballington, North Carolina  
 David Creech, Texas  
 William Klingeman, Tennessee  
 William Evans, Mississippi  
 Dan Lineberger, Texas  
 D.Scott NeSmith, Georgia

**COMMITTEES**

Executive  
 Nominations  
 Membership

**CHAIRPERSON**

James R. Ballington, North Carolina  
 John Clark, Arkansas  
 Paul Smeal, Virginia

**AWARD SELECTION COMMITTEES CHAIRPERSON**

J. Creighton Miller, Jr.  
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 Julian C. Miller, Sr.  
     Distinguished Research  
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 John E. Hutchinson Young  
     Extension Professional  
 Excellence in Doctoral  
     Research & Writing  
 Leadership & Administration  
 Extension Publication Awards  
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Joe Eakes, Alabama  
  
 John Clark, Arkansas  
 David Henley, Arkansas  
  
 William T. Kelley  
  
 Stuart Warren, North Carolina  
 Regina Bracy, Louisiana  
 Jeanine Davis, North Carolina  
 Kim Pittcock, Arkansas

# SPECIAL EVENTS AND SESSIONS

Wyndham Orlando Resort  
ORLANDO, FLORIDA

## SATURDAY, FEBRUARY 4, 2006

- 8:00 am - 6:00 pm    Registration - Paul Smeal**  
Wyndham Orlando Resort - Lobby
- 8:00 am - 5:00 pm    National Sweet Potato Collaborators**  
Presiding: Mark Shankle  
Room: Palms Ballroom C/D
- 8:00 am - 5:00 pm    Pecan Research and Extension Forum**  
Presiding: Lenny Wells  
Room: Palms Ballroom Salon F
- 8:00 am - 5:00 pm    Southern Blueberry/Small Fruit Workers**  
Presiding: John Basswell  
Room: Palm Ballroom Salon G
- 9:30 am - 11:30 pm    ACB Program, Share Club Activities and Refreshments**  
Presiding: Michael Boyd, President  
Room: Palm Ballroom Salon H
- 12:00 noon            ACB Group Lunch**
- 1:00 pm - 5:00 pm    Horticulture Administrators**  
Presiding: Julia Kornegay  
Room: Executive Boardroom
- 1:00 pm - 5:00 pm    Master Gardener & Consumer Horticulture**  
Chairperson: Tom Wichman  
Room: Largo
- 1:00 pm - 4:30 pm    ACB Activities - TBA**
- 4:30 pm - 5:30 pm    ACB Reception - Location TBA**
- 5:00 pm - 6:00 pm    Southern Region - ASHS Executive Meeting**  
Presiding: James Ballington  
Room: Executive Boardroom

## SUNDAY, FEBRUARY 5, 2006

- 7:00 am - 6:00 pm    Registration - Paul Smeal**  
Palms Ballroom Foyer

- 8:00 am - 5:00 pm National Sweet Potato Collaborators**  
 Presiding: Mark Shankle  
 Room: Palms Ballroom C/D
- 8:00 am - noon Vigna Crop Germplasm Committee**  
 Presiding: Richard Fery  
 Room: Lime
- 8:00 am -noon Extension Section**  
 Presiding: Winston Dunwell  
 Room: Cocoa
- 8:00 pm - 5:00 pm Watermelon Research Group**  
 Presiding: Benny D. Bruton  
 Room: Palms Ballrom Salon A
- 8:00 am - 10:00 am J. B. Edmond Undergraduate Student Paper Competition**  
 Presiding: Michael Boyd, ACB President  
 and David Reed, SR-ASHS President  
 Room: Palms Ballroom Salon F
- 10:00 pm - noon Warren S. Barham Graduate PhD Student Paper Competition**  
 Presiding: D. Scott NeSmith  
 Room: Palms Ballroom Salon F
- 1:00 pm - 5:00 pm Norman F. Childers Graduate MS Student Paper Competition**  
 Presiding: D. Scott NeSmith  
 Room: Palms Ballroom Salon F
- 1:00 pm - 5:00 pm National Cowpea Improvement Association**  
 Presiding: Lynn Bradenberger  
 Room: Lime
- 1:00 pm - 5:00 am Education Section**  
 Presiding: Cynthia McKenney  
 Room: Largo
- 7:00 am - noon J. Benton Storey Student Judging Contest**  
 Setup  
 Room: Palms Ballroom Salon E
- 1:00 pm - 3:00 pm J. Benton Storey Undergraduate Student Horticulture Judging Contest**  
 Presiding: ACB Officers  
 Room: Palms Ballroom Salon E
- 9:00 am - noon Set up Posters**
- 4:00 pm - 6:00 pm Poster Session - Authors at Posters**  
 Presiding: David Creech  
 Room: Palms Ballroom Salon E

**4:00 pm - 6:00 pm**    **Southern Association of Agricultural Scientists**  
**General Session - Room: Orange & Lemon**  
**“The Future of Animal Agriculture in North America”**

**7:00 pm**                    **SAAS Reception**  
Room: Poolside Pavilion & Pool Area

## **MONDAY, FEBRUARY 6, 2006**

**7:00 am - 10:00 am**    **Registration - Paul L. Smeal**  
Palms Ballroom Foyer

**8:00 am - 10:45 am**    **Vegetable Crops Section**  
Chairperson: Bill Evans  
Room: Palms Ballroom Salon D

**8:00 am - 10:45 am**    **Fruit Crops Section**  
Chairperson: James Ballington  
Room: Marathon & Cedar

**8:00 am - 10:45 am**    **Floriculture, Ornamentals and Turf Section**  
Chairperson: John Ruter  
Room: Largo

**8:30 am - 10:45 am**    **Postharvest/Biotechnology/Plant Biology Section**  
Chairperson: Bill Klingeman  
Room: Clearwater

**9:00 am - 10:30 am**    **ACB Business Meeting**  
Presiding: Michael Boyd, ACB President  
Room: Lemon

**11:00 am - 12:15 pm**    **SOUTHERN REGION ANNUAL BUSINESS  
MEETING & AWARD PROGRAM**  
Presiding: David Reed, President  
Room: Lemon

**1:30 pm – 5:00 pm**    **Vegetable Crops Section**  
Chairperson: Bill Evans  
Room: Palms Ballroom Salon D

**1:30 pm - 5:00 pm**    **Fruit Crops Section**  
Chairperson: James Ballington  
Room: Marathon & Cedar

**1:30 pm - 3:00 pm**    **Floriculture, Ornamentals and Turf Section**  
Chairperson: John Ruter  
Room: Largo

# PROGRAM

**SUNDAY, FEBRUARY 5, 2006**

## **J. B. EDMOND UNDERGRADUATE STUDENT PAPER COMPETITION**

**Room: Palms Ballroom Salon F**

**Presiding: Mr. Michael Boyd, Southern Region - ASHS ACB President and Dr. David Reed,  
Southern Region - ASHS President**

Abstracts must be electronically submitted as attachment to Dr. Dan Lineberger,  
(dan-lineberger@tamu.edu)

**8:00 am** Order of presentation will be determined by a drawing at beginning of contest.

**1. In Vitro Shoot Proliferation of *Encyclia tampensis* (Lind.) Orchids.**

Monica Haddix, Department of Natural Resources and Environmental Design, North Carolina A&T State University 1601 E. Market Street, Greensboro, NC 27411

**2. Determining Optimum Distance for Cross-Pollination of Pecan.** Jana Morris, Oklahoma State University, Dr. Mike W. Smith, Regents professor, Oklahoma State University, Stillwater, OK 74078, Tim Montz, Montz Pecan Orchard, Charlie TX.

**3. Adventitious Shoot Propagation and Cultural Inputs on Nursery Production of a Primocane-Fruiting Blackberry Selection.** Kimberly Dennis, John R. Clark, and James R. Robbins, Dept. of Horticulture, 316 Plant Science, University of Arkansas, Fayetteville, AR 72701

**4. Directions for Future Extension in Horticulture.** Jessica Behrens, Department of Horticultural Sciences, University of Florida, Gainesville, FL 32611-0690.

## **WARREN S. BARHAM PH.D. GRADUATE STUDENT PAPER COMPETITION**

**Room: Palms Ballroom Salon F**

**Presiding: D. Scott NeSmith, President-elect, Southern Region-ASHS**

Abstracts must be electronically submitted as attachment to D. Scott NeSmith  
(snesmith@griffin.uga.edu)

**10:00 am** Order of presentation will be determined by a drawing at beginning of contest.

**1. Phenolic composition and antioxidant activity in sweetpotato root and leaf tissues at different developmental stages.** Malkeet S. Padda\* and David H. Picha, Dept. of Horticulture, Louisiana State University Agricultural Center, Baton Rouge, LA 70803. (mpadda1@lsu.edu)

**2. Fate and Movement of NO<sub>3</sub>-N as a Result of Staged Leaching Irrigation Events and Fertilizer Source During Potato Production in Northeast Florida.** Christine M. Worthington\* and Chad M. Hutchison, University of Florida, Plant Science Research and Education Unit, P.O. Box 728, Hastings, FL 32145. (CMWorthington@ifas.ufl.edu)

**3. Development of a genetic linkage map in sweetpotato based on AFLP markers and QTL analysis of economically important traits.** Jim Cervantes-Flores\*, Byron Sosinski, Albert Kriegner, Ken Pecota, Maria Roldan, and Craig Yencho, Dept. of Horticultural Science, North Carolina State University, Campus Box 7609, Raleigh, NC 27695-7609. (jccervan@ncsu.edu)

## **NORMAN F. CHILDERS M.S. GRADUATE STUDENT PAPER COMPETITION**

**Room: Palms Ballroom Salon F**

**Presiding: D. Scott NeSmith, President-elect, Southern Region-ASHS**

**Abstracts must be electronically submitted as attachment to D. Scott NeSmith  
([snesmith@griffin.uga.edu](mailto:snesmith@griffin.uga.edu))**

**1:00 pm Order of presentation will be determined by a drawing at beginning of contest.**

**1. Effects of Post-application Halosulfuron-methyl at Various Percents of Coverage on Watermelon.** Peter J. Dittmar\*, David W. Monks, and Jonathan R. Schultheis, Dept. of Horticultural Science, North Carolina State University, Campus Box 7609, Raleigh, NC 27695-7609. ([pjdittma@ncsu.edu](mailto:pjdittma@ncsu.edu))

**2. Transplanting and Organic Mulch Affect Gas Exchange and Growth of Field Grown Red Oak (*Quercus shumardii* Buckli).** Amber Bonds\* and Thayne Montague, Dept. of Plant and Soil Science, Texas Tech University, Lubbock, TX 79409-2122. ([thayne.montague@ttu.edu](mailto:thayne.montague@ttu.edu))

**3. Reproductive Behavior of Diploid and Allotetraploid Azaleadendrons.** Ryan N. Contreras\* and Thomas G. Ranney, Dept. of Horticultural Science, North Carolina State University, Fletcher, NC 28732. ([Ryan\\_Contreras@ncsu.edu](mailto:Ryan_Contreras@ncsu.edu))

**4. Influence of Substrates on Rooting *Clematis socialis* Stem Cuttings.** Connie N. Johnson\*, D.J. Eakes, A.N. Wright, J.L. Sibley, and L.L. Bruner, Dept. of Horticulture, 101 Funchess Hall, Auburn University, AL 36849. ([johnscn@auburn.edu](mailto:johnscn@auburn.edu))

## **EXTENSION SECTION**

**Room: Cocoa**

**Presiding: Winston Dunwell, Extension Section Chair**

**Abstracts must be electronically submitted as attachment to Winston Dunwell  
([wdunwell@uky.edu](mailto:wdunwell@uky.edu))**

**8:00 am GardenData.org, an Interactive FAQ database for Consumer Horticulture.** Richard E. Durham\* ([rdurham@uky.edu](mailto:rdurham@uky.edu)) and Winston C. Dunwell, Department of Horticulture, University of Kentucky, N-318 Agricultural Science Building North, Lexington, KY 40546-0091

**8:20 am Report on the Consumer Horticulture Forum: National extension programming in consumer horticulture through eXtension, Master Gardeners and other efforts.** Richard E. Durham\*, (rdurham@uky.edu) Department of Horticulture, University of Kentucky N-318 Agricultural Science Building North Lexington, KY 40546-0091 and Mary H. Meyer, Department of Horticulture, University of Minnesota

**8:40 am Bilingual Fresh Produce Food Safety Education in NC.** Doug Sanders\* (doug\_sanders@ncsu.edu), Luz Reyes, Dennis Osborne, and Darrell Blackwelder, North Carolina State University.

**9:00 am Extension Fulfilling a Niche: A New Horticulture Course in South Florida.** Adrian Hunsberger, Marguerite Beckford, and Henrique Mayer\* (HMayer@ifas.ufl.edu). University of Florida/IFAS Miami-Dade County Extension Service, 18710 SW 288 St. Homestead, FL 33030-2309

**9:20 am Fire Ants Have Met Their Match: The Establishment of a Decapitating Phorid Fly in South Florida.** Adrian Hunsberger\* (AGHU@mail.ifas.ufl.edu), and Ruben Regalado, University of Florida/IFAS Miami-Dade County Extension Service, 18710 SW 288 St. Homestead, FL 33030-2309

**9:40 am Using a Consumer Herb Gardening Study to Determine Program and Publication Needs.** Lelia Scott Kelly\* (leliak@ext.msstate.edu), North Mississippi Research & Extension Center, PO Box 1690, Verona, MS 38879

**10:00 am Teaching Master Gardeners How to Apply IPM Principles.** Mary Lamberts\* (lamberts@ifas.ufl.edu) and Adrian Hunsberger, University of Florida/IFAS Miami-Dade County Extension Service, 18710 SW 288 St. Homestead, FL 33030-2309

**10:20 am Sustainable Nursery Production Practices Extension Programs: IPM and BMP.** Amy Fulcher, Dava Hayden and Winston Dunwell\* (wdunwell@uky.edu), University of Kentucky, P.O. Box 469, Princeton, KY 42445-0469

**10:40 am CSREES - Your National Partner.** James L. Green\* (jgreen@csrees.usda.gov), National Program Leader - Horticulture, Cooperative State Research, Education, and Extension Service, USDA, 800 9<sup>th</sup> Street SW, Washington, DC 20250

**11:00 am SRASHS Extension Program for 2007 67<sup>th</sup> Annual Meeting.** Dr. John Braswell\*, (braswell@ext.msstate.edu), South MS Branch Expt Station, Mississippi State University-Coastal Research and Extension Center, P.O. Box 193, Poplarville, MS 39470

## **EDUCATION SECTION**

**Room: Largo**

**Presiding: Curt Rom**

**Abstracts must be electronically submitted as attachment to Dr. Cynthia McKenney, (c-mckenney@tamu.edu)**

**1:00 pm The next generation of scientists is inspired at an early age.**

E.B. Peffley and C. S. Davis. Dept. of Plant & Soil Science and the Dept of Ag Ed and Communication, Texas Tech University, Lubbock, TX 79409: (ellen.peffley@ttu.edu)

**1:15 pm Teacher Immediacy/More Positive Classroom Experience for Students.**

Marihelen Glass, Ph.D. CPH. Dept. of Natural Resources and Environmental Design, North Carolina A&T State University, Greensboro, NC 27411: ([glassm@ncat.edu](mailto:glassm@ncat.edu))

**1:30 pm Creation of a virtual M.S. Non-thesis program in Horticulture.**

C.B. McKenney. Dept. of Plant & Soil Science, Texas Tech University, Lubbock, TX 79409 and Dept. of Horticulture Sciences, Texas A&M University, College Station, TX 77843: ([c-mckenney@tamu.edu](mailto:c-mckenney@tamu.edu))

**1:45 pm Using the community to teach plant materials - a real world study in plant**

**identification.** Allan Armitage. Dept. of Horticulture, University of Georgia, Athens, GA 30602: ([armitage@uga.edu](mailto:armitage@uga.edu))

**POSTERS**

**Room: Palms Ballroom Salon E**

**Presiding: David Creech**

**9:00 am - noon Set up Posters.**

**4:00 pm - 6:00 pm Poster Session - Authors at Posters**

**Posters should be in place by noon Sunday and remain until noon Monday, following the annual Business Meeting.**

**Abstracts must be electronically submitted as attachment to Dr. David Creech, ([dcreech@sfasu.edu](mailto:dcreech@sfasu.edu))**

**Graduate and Undergraduate posters for awards will be identify after posting.**

**1. Study of the Origins and Spread of the Sweetpotato Weevil in the US Using rDNA Sequences.**

Megan Ulmer<sup>1</sup>, Regina Ali<sup>1</sup>, Conrad Bonsi<sup>2</sup>, Louis Jackai<sup>2</sup>, and Bryon Sosinski<sup>1</sup>.

<sup>1</sup>NC State University Department of Horticultural Science, Campus Box 8619, Raleigh NC 27695,

<sup>2</sup>Department of Agricultural and Environmental Sciences, Tuskegee University, 200-B Campbell Hall, Tuskegee AL 36088 ( [sosinski@ncsu.edu](mailto:sosinski@ncsu.edu) )

**2. Quantitative Descriptive Analysis Methodology for the Determination of the Optimum Month for the Consumption of Edible Daylilies (*Hemerocallis* spp.)**

Ashley Pollard, Food Science, Nutrition and Health Promotion Department, Mississippi State University, P.O. Box 9805, Mississippi State, MS 39762 ([ashleypollard@yahoo.com](mailto:ashleypollard@yahoo.com) )

**3. Juice Yields of Sweet Potato Cultivars.**

Jovy Duran, Food Science, Nutrition and Health Promotion Department, Mississippi State University, P.O. Box 9805, Mississippi State, MS 39762 ([joyvduran@hotmail.com](mailto:joyvduran@hotmail.com))

**4. Grafting of Triploid Watermelon on Squash and Gourd Rootstock.**

K. Cushman, J. Huan, L. Cushman, K. Armbruster Southwest Florida Research & Education Center - UF/IFAS 2686 SR 29 N, Immokalee FL 34142-9515. ([kecushman@ifas.ufl.edu](mailto:kecushman@ifas.ufl.edu))

**5. Squash Production and Organic Weed Control.**

Charles L. Webber III, USDA, and James W. Shrefler, P.O. Box 159, Oklahoma State University, Lane, OK 74555. ([cwebber-usda@lane-ag.org](mailto:cwebber-usda@lane-ag.org))

**6. Effect of rotation, tillage and production management on vegetable yields**

Greg D. Hoyt, Dept. of Soil Science, NCSU, 455 Research Drive, Fletcher, NC 28732.  
([greg\\_hoyt@ncsu.edu](mailto:greg_hoyt@ncsu.edu))

**7. Improvement, Propagation and Use of Taxodium in Southeastern China.**

D. Creech<sup>1</sup> and Yin Yunlong<sup>2</sup>. <sup>1</sup>SFA Mast Arboretum, PO Box 13000, Stephen F. Austin State University, Nacogdoches, TX 75962-3000; , <sup>2</sup>Nanjing Botanical Garden, PO Box 1435, Nanjing, 21104, China.  
([dcreech@sfasu.edu](mailto:dcreech@sfasu.edu))

**8. Mandated Vidalia Onion Variety Trials; How well has it worked?**

George Boyhan, William M. Randle, Anna V. Resurreccion, Robert Shewfelt, Reid L. Torrance, Ronald H. Blackley Jr., M. Jefferson Cook, Heath Paradice, C. Randell Hill, and J. Thad Paulk. University of Georgia, Department of Horticulture, East Georgia Extension Center, PO Box 8112, GSU, Statesboro, GA 30460. ([gboyhan@uga.edu](mailto:gboyhan@uga.edu))

**9. Mississippi State University's Research and Education Efforts to Increase Nursery Mechanization across the Gulf South**

Christine Coker, Patricia Knight, Ben Posadas, Scott Langlois, and Randy Coker. Mississippi State University, Coastal Research and Extension Center, 1815 Poppo Ferry Road, Biloxi, MS 39532  
([cocker@ra.msstate.edu](mailto:cocker@ra.msstate.edu))

**10. Testing anti-fungal competency of natural compounds against some post harvest pathogens using the disc assay method.**

J. Narciso, E. Baldwin and A. Plotto, USDA/ARS, Citrus and Subtropical Products Laboratory, 600 Ave. S, NW, Winter Haven, FL 33881. ([jan@citrus.usda.gov](mailto:jan@citrus.usda.gov))

**11. Microsatellite markers for verifying parentage of pecans.**

LJ Grauke<sup>1</sup>, Maria Azucena Mendosa-Herrera<sup>1</sup>, Carol Loopstra<sup>2</sup> and Tommy E. Thompson<sup>1</sup>. USDA-ARS Pecan Breeding & Genetics. 10200 FM 50, Somerville, TX. 77879; <sup>2</sup>Institute for Plant Genomics & Biotechnology, Texas A&M University, 2123 TAMU, College Station, TX 77843-2123. ([ljl@tamu.edu](mailto:ljl@tamu.edu))

**12. Evaluation of Commercial Banana Cultivars in South Georgia for Ornamental and Nursery Production**

Gerard Krewer<sup>1</sup>, Esendugue Greg Fonsah<sup>2</sup>, Mark Rieger<sup>3</sup>, Richard Wallace<sup>4</sup> and David Linvill<sup>5</sup>. <sup>1,2</sup> Depts. of Hort. and Ag & Applied Economics, Univ. of Ga., POB 1209, Tifton, Ga. 31793; <sup>3</sup>Dept. of Hort. Univ. of Ga., Miller Plant Science Building, Athens, Ga. 30602; <sup>4</sup> Dept. of Chemistry and Physics, Armstrong Atlantic State University, Savannah, GA 31419; <sup>5</sup> UGA Chatham County Extension Service, Savannah, GA 31419 ([gkrewer@uga.edu](mailto:gkrewer@uga.edu))

**13. Abscisic acid drenches improve post-production shelf life of impatiens**

James L. Gibson and Shannon Crowley. West Florida Research and Education Center, Institute of Food and Agricultural Sciences, Milton Campus, 5988 Highway 90, Building 4900, Milton, FL 32583  
([jlgibson@ifas.ufl.edu](mailto:jlgibson@ifas.ufl.edu))

**14. Nutrient deficiencies of *Pentas lanceolata* 'Butterfly Red'**

James L. Gibson, Jude Groninger, and Sharon Wombles. West Florida Research and Education Center, Institute of Food and Agricultural Sciences, Milton Campus, 5988 Highway 90, Building 4900, Milton, FL 32583 ([jlgibson@ifas.ufl.edu](mailto:jlgibson@ifas.ufl.edu))

**15. Nutrient deficiencies of *Allamanda nerifolia***

James L. Gibson, Jude Groninger, Sharon Wombles, and Katherine Campbell. James L. Gibson, West Florida Research and Education Center, Institute of Food and Agricultural Sciences, Milton Campus, 5988 Highway 90, Building 4900, Milton, FL 32583. ([jl Gibson@ifas.ufl.edu](mailto:jl Gibson@ifas.ufl.edu))

**16. Herbicide Use in Hardy Ferns**

Glenn B. Fain, USDA-ARS Southern Horticultural Laboratory, P.O. Box 287, 810 Hwy 26 West, Poplarville, MS 39470 ([gfain@msa-stoneville.ars.usda.gov](mailto:gfain@msa-stoneville.ars.usda.gov))

**17. Physical and Chemical Properties of Substrates from Three Species of Pine Trees.**

Glenn B. Fain, USDA-ARS Southern Horticultural Laboratory, P.O. Box 287, 810 Hwy 26 West, Poplarville, MS 39470 ([gfain@msa-stoneville.ars.usda.gov](mailto:gfain@msa-stoneville.ars.usda.gov))

**18. Postharvest Treatments for Extending Market Life of Fresh Horseradish.**

Picha, D.H. Department of Horticulture, Louisiana State University, 163 J C Miller Hall, Baton Rouge, LA 70803 Baton Rouge, LA 70803. ([dpicha1@lsu.edu](mailto:dpicha1@lsu.edu))

**19. Performance of Heirloom and Late Blight Resistant Heirloom-type Tomato Hybrids in Organic and Conventional Field Trials.**

Jeanine M. Davis and Randolph G. Gardner. Dept. of Horticultural Science, North Carolina State University Mountain Horticultural Crops Research & Extension Center, 455 Research Drive, Fletcher, NC 28732. ([Jeanine\\_Davis@ncsu.edu](mailto:Jeanine_Davis@ncsu.edu))

**20. Performance of 18 Jalapeno Varieties in Whole Pack and Sauce.**

Paul Wilson, Horticulture Department, Louisiana State University, 163 J C Miller Hall, Baton Rouge, LA 70803 Baton Rouge, LA 70803. ([pwwilson@lsu.edu](mailto:pwwilson@lsu.edu))

**21. Recent USDA-ARS Southern Horticulture Laboratory Blueberry Cultivar Releases.**

S.J. Stringer, J.M. Spiers, and A.D. Draper. USDA-ARS Small Fruits Research Station, P.O. Box 287, Poplarville, MS 39470 ([sjstringer@msa-stoneville.ars.usda.gov](mailto:sjstringer@msa-stoneville.ars.usda.gov))

**22. Production of Delphinium in a Tobacco Transplant Greenhouse.**

Carl E. Niedziela Jr., Stephen A. Emerson, and Guochen Yang. Department of Natural Resources and Environmental Design, North Carolina A&T State University, Greensboro, NC 27411. ([cniedzie@ncat.edu](mailto:cniedzie@ncat.edu))

**23. Chilling Requirements of Selected Floricane and Primocane-Fruiting Blackberries.**

Dr. John R. Clark<sup>1</sup>, and P. Manjula Carter<sup>2</sup> <sup>1</sup>University of Arkansas, Dept. Horticulture, 316 Plant Sciences Building, Fayetteville, AR 72701; <sup>2</sup>University of Arkansas Southwest Research and Extension Center, 362 Hwy 174 N., Hope, AR 71801 ([jclark@uark.edu](mailto:jclark@uark.edu))

**24. Laboratory method to estimate incidence of fruit splitting in cultivated blueberry.**

Donna A. Marshall, J.M. Spiers, K.J. Curry, S.J. Stringer. USDA-ARS Small Fruits Research Station, P.O. Box 287, Poplarville, MS 39470. ([DAMarshall@msa-stoneville.ars.usda.gov](mailto:DAMarshall@msa-stoneville.ars.usda.gov))

**25. Camellia: A new southern highbush blueberry cultivar.**

D. Scott NeSmith<sup>1</sup> and Arlen D. Draper<sup>2</sup>, <sup>1</sup>Dept. of Horticulture, 1109 Experiment Street, University of Georgia, Griffin, GA 30223-1797; <sup>2</sup>USDA-ARS, Southern Horticultural Laboratory, Poplarville, MS 39470. ([snesmith@griffin.uga.edu](mailto:snesmith@griffin.uga.edu))

**26. Rebel: A new early ripening southern highbush blueberry cultivar.**

D. Scott NeSmith\*, Dept. of Horticulture, 1109 Experiment Street, University of Georgia, Griffin, GA 30223- 1797. ([snesmith@griffin.uga.edu](mailto:snesmith@griffin.uga.edu))

**27. Herbaceous Ornamental Trials in Central Mississippi.**

Keri Paridon, Mississippi State University, P.O. Box 231, Crystal Springs, MS 39059. ([keri@ra.msstate.edu](mailto:keri@ra.msstate.edu))

**28. 2005 Personal Size "Mini" Seedless Watermelon Variety Trial.**

Thomas Horgan, North Mississippi Research & Extension Center, Mississippi State University, Box 1690, 5421 Hwy 145 S., Verona, MS 38879. ([tehorgan@ra.msstate.edu](mailto:tehorgan@ra.msstate.edu))

**29. Landscape Performance of New and Old Vinca Series - 2005 Observations.**

Allen Owings, Gordon Holcomb, Anthony Witcher, and Allen Broyles, LSU AgCenter - Department of Horticulture, 163 J C Miller Hall, Baton Rouge, LA 70803 ([aowings@agctr.lsu.edu](mailto:aowings@agctr.lsu.edu))

**30. Initial Evaluation of Own Root vs. Budded Rose Cultivars in a Landscape Setting.**

Allen Owings, Anthony Witcher, and Allen Broyles, LSU AgCenter - Department of Horticulture, 163 J C Miller Hall, Baton Rouge, LA 70803 ([aowings@agctr.lsu.edu](mailto:aowings@agctr.lsu.edu))

**31. Management of Downy and Powdery Mildew for Winter Squash.**

A.H. Beany<sup>1</sup>, K. Pernezny<sup>2</sup>, P.J. Stoffella<sup>1</sup>, N. Havranek<sup>2</sup>, and J. Sanchez<sup>2</sup>.

<sup>1</sup> University of Florida, IFAS, Indian River Research and Education Center, 2199 South Rock Road, Fort Pierce, Florida 34945-3138, USA.

<sup>2</sup> University of Florida, IFAS, Everglades Research and Education Center, 3200 East Palm Beach Road, Belle Glade, Florida 33430-4702, USA.

**31. Crape myrtle evaluations in South Mississippi.**

Patricia R. Knight, John M. Anderson, Wayne McLaurin, and Christine Coker. Mississippi State University, Coastal Research and Extension Center, 1815 Popp's Ferry Road, Biloxi, MS 39532 ([patriciaknight@bellsouth.net](mailto:patriciaknight@bellsouth.net))

**32. Growing Olives in Texas; Regulation of Flowering in Arbequina**

Nasir Malik. USDA-ARS, 2413 E. Hwy 83, Weslaco, TX 78596 email; ([nmalik@weslaco.ars.usda.gov](mailto:nmalik@weslaco.ars.usda.gov))

**33. Effect of Rootstock on Yield and Quality of 'Cabernet Franc' (*Vitis vinifera*) in Oklahoma.**

Eric T. Stafne<sup>1</sup>, B. Dean McCraw<sup>1</sup>, William G. McGlynn<sup>1</sup>, and R. Keith Striegler<sup>2</sup>

<sup>1</sup>Department of Horticulture and Landscape Architecture, Oklahoma State University, Stillwater, OK 74078; <sup>2</sup>MVEC, Missouri State University, Mountain Grove, MO 65711

([eric.t.stafne@okstate.edu](mailto:eric.t.stafne@okstate.edu))

# PROGRAM

## MONDAY, FEBRUARY 6, 2006

### VEGETABLE CROPS SECTION

**Room: Palms Ballroom Salon D**

**Presiding: Bill Evans, Vegetable Crops Section Chair.**

Abstracts must be electronically submitted to Bill Evans, ([wbe@ra.msstate.edu](mailto:wbe@ra.msstate.edu))

**8:00 am Purple Nutsedge Management for Organic Vegetable Production.**

Carlene A. Chase<sup>1</sup>, Rosalie L. Koenig<sup>2</sup>, Jeffery E. Pack<sup>1</sup>, Clinton C. Warren<sup>1</sup>. <sup>1</sup>University of Florida, Horticultural Sciences Department, PO Box 110690, Gainesville, FL 32611 and <sup>2</sup>Rosie's Organic Farm. ([cachase@ufl.edu](mailto:cachase@ufl.edu))

**8:15 am Sandea/soil insecticide interaction studies in North Carolina potatoes.**

Roger B. Batts\*. Dept. of Horticulture. Campus Box 7609, NC State Univ. 27695-7609, Andrew W. MacRae. PO Box 1209, Rural Development Center, Univ. Georgia, Tifton, GA 31793. ([roger\\_batts@ncsu.edu](mailto:roger_batts@ncsu.edu))

**8:30 am Evaluation of Under-Plastic Herbicide Applications in Transplanted Tomato.**

Joseph G. Masabni\*. Univ. of Kentucky, UKREC, PO Box 469, Princeton, KY 42445. ([jmasabni@uky.edu](mailto:jmasabni@uky.edu))

**8:45 am Nutsedge control in tomato with combinations of Sandea (halosulfuron) and Dual Magnum (S-metolachlor).**

Wheeler G. Foshee\* III, Collin W. Adcock, Glenn R. Wehtje, and Charles H. Gilliam. Auburn University. 101 Funchess Hall, Auburn, AL 36849. ([foshewg@auburn.edu](mailto:foshewg@auburn.edu).)

**9:00 am Break**

**9:15 am Effects of reduced methyl bromide rates and mulches on nutsedge control.**

Bielinski M. Santos\*, James P. Gilreath and Myriam N. Siham. Gulf Coast Research and Education Center, IFAS, University of Florida. 14625 County Road. 672, Wimauma, FL 33598. ([bmsantos@ifas.ufl.edu](mailto:bmsantos@ifas.ufl.edu))

**9:30 am Influence of virtually impermeable films on the efficacy of metam, chloropicrin and 1,3-dichloropropene on soilborne pest control.**

James P. Gilreath and Bielinski M. Santos\*. Gulf Coast Research and Education Center, IFAS, University of Florida. 14625 County Road. 672, Wimauma, FL 33598. ([bmsantos@ifas.ufl.edu](mailto:bmsantos@ifas.ufl.edu))

**9:45 am Performance of methyl bromide alternatives for strawberry in Florida and Spain.**

Bielinski M. Santos<sup>1</sup>, José Manuel López-Aranda<sup>2</sup>, James P. Gilreath<sup>1</sup>, Luis Miranda<sup>2</sup>, Carmen Soria<sup>2</sup>, and Juan J. Medina<sup>2</sup>. <sup>1</sup>Gulf Coast Research and Education Center, IFAS, University of Florida. 14625 County Road. 672, Wimauma, FL 33598. <sup>2</sup>Instituto Andaluz de Investigación y Formación Agraria. IFAPA. CICE-Junta de Andalucía. Spain. ([bmsantos@ifas.ufl.edu](mailto:bmsantos@ifas.ufl.edu))

**10:00 am Impact of solarization and methyl bromide alternatives on greenhouse hot pepper production in Costa Rica.**

Bielinski M. Santos\*<sup>1</sup>, James P. Gilreath<sup>1</sup>, Jorge A. Solórzano-Arroyo<sup>2</sup>, and Jorge Mora-Bolaños<sup>2</sup>. <sup>1</sup>Gulf Coast Research and Education Center, IFAS, University of Florida. 14625 County Road. 672, Wimauma, FL 33598; <sup>2</sup>Laboratorio de Fitoprotección, Instituto de Innovación y Transferencia de Tecnología Agropecuaria, San José, Costa Rica. (bmsantos@ifas.ufl.edu)

**10:15 am Delivering herbicides through drip irrigation lines: An alternative for weed management?**

Bielinski M. Santos\* and James P. Gilreath. Gulf Coast Research and Education Center, IFAS, University of Florida. 14625 County Road. 672, Wimauma, FL 33598; (bmsantos@ifas.ufl.edu)

**10:30 am Field testing of possible BMPs for tomato grown in the Caribbean Basin.**

Eric Simonne\*, David Studstill, Bob Hochmuth, George Hochmuth, Fritz Roka, Julia O'Hallorans, and Aparna Gazula, Horticultural Sciences Department, 1241 Fifield Hall, P.O. Box 110690, Gainesville, FL 32611. (esimonne@mail.ifas.ufl.edu)

**10:45 am Evaluation of cowpeas (*Vigna unguiculata* (L.) Walp) for grain and fodder production in southwest Nigeria.**

Oluwatoyin S. Aribisala<sup>1</sup>\* and M.E. Aken'Ova<sup>2</sup>. <sup>1</sup>George Washington Carver Agricultural Experiment Station, Tuskegee University, AL 36088. <sup>2</sup>Department of Agronomy, University of Ibadan, Ibadan, Nigeria. (toynaribisala@yahoo.co.uk)

**11:00 am Yields and Fruit Production Patterns of Eleven Eggplant Cultivars.**

Brian A. Kahn\* and Mark E. Payton. Depts. of Horticulture and Landscape Architecture and Statistics, Oklahoma State University, Stillwater, OK 74078. (brian.kahn@okstate.edu)

**11:00 a.m Southern Region - ASHS Annual Business Meeting and Awards Program**

**1:15 pm High Tunnel Production of Tomatoes and Snapdragons in Southeast Alabama.**

Wheeler G. Foshee III, Brad E. Reeder, Raymond J. Kessler Jr., Joseph M. Kemble, and William A. Dozier Jr. Auburn University. Department of Horticulture, 101 Funchess Hall, Auburn. AL 36849-5408. (foshewg@auburn.edu)

**1:30 pm Early Season Production of Tomatoes and Strawberries in High Tunnels in Alabama.**

J. M. Kemble, P. Sanders, W. Foshee, and D. Fields. Auburn University, Department of Horticulture, 101 unchess Hall, Auburn, AL 36849-5408. (foshewg@auburn.edu)

**1:45 pm Plastic mulched bed width effects on pepper and cantaloupe yield.**

William Terry Kelley and David B. Langston, Jr. University of Georgia, P.O. Box 1209, Tifton, GA 31793. (wtkelley@uga.edu)

**2:00 pm Tomato in-row spacing responses and implications.**

John. D. Downes\*, Texas Tech Univ. Plant and Soil Sci. Lubbock, TX 79409. (dixiedownes\_11@juno.com)

**2:15 pm Okra in-row Spacing Alters Plant Growth and Yield in South Florida.**

Teresa Olczyk\*. University of Florida. IFAS Miami-Dade County Extension Service 18710 SW 288 Street Homestead, FL 33030-2309, Kent Cushman Southwest Florida Research & Education Center - UF/IFAS 2686 SR 29 N Immokalee FL 34142-9515, Waldemar Klassen, Tropical Research & Education Center - UF/IFAS 18905 SW 280 Street Homestead, FL 33031. (twol@ifas.ufl.edu),

**2:30 pm Depth and width of the wetted zone after leaching irrigations on a sandy soil.**  
 Michela Farneselli\*, David Studstill, Eric Simonne, and Bob Hochmuth, Horticultural Sciences Department, University of Florida, 1241 Fifield Hall, P.O. Box 110690, Gainesville, FL 32611. (esimonne@mail.ifas.ufl.edu)

**2:45 pm Break**

**3:00 pm Influence of compost on vegetable crop nutrient management.**  
 Doug Sanders\*, Luz Reyes, David Monks, Katie Jennings, Frank Louws and Jim Driver, North Carolina State University Department of Horticulture, Box 7609, Raleigh, NC 27695-7609. Lewis Flynn, McGill-Leprechaun Composts, Invanhoe, NC. (doug\_sanders@ncsu.edu)

**3:15 pm Effect of washing/cutting on NO<sub>3</sub>-N and K sap concentrations on vegetable petioles.**  
 David Studstill\*, Michela Farneselli, Eric Simonne, and Bob Hochmuth, Horticultural Sciences Department, University of Florida. 1241 Fifield Hall, P.O. Box 110690, Gainesville, FL 32611. (esimonne@mail.ifas.ufl.edu)

**3:30 pm Optimization of drainage lysimeter design for field determination of nutrient loads.**  
 Aparna Gazula\*, Eric Simonne, Michael Dukes, George Hochmuth, Bob Hochmuth, and David Studstill, Horticultural Sciences Department, University of Florida. 1241 Fifield Hall, P.O. Box 110690, Gainesville, FL 32611. (esimonne@mail.ifas.ufl.edu)

**3:45 pm Effect of colored mulches on small (B size) irish potatoes (A three year study).**  
 Richard Hassell\*, T. Phillips, and T. Hale. Coastal Research & Education Center Clemson University, 2700 Savannah Highway, Charleston, South Carolina 29414. (rhassel@clemson.edu)

**4:00 pm Production strategies for earliness in globe artichoke.**  
 Smiljana Goreta<sup>1\*</sup>, Lovre Bucan<sup>1</sup>, Gvozden Dumicic<sup>1</sup> and Daniel I. Leskovar<sup>2</sup>. <sup>1</sup>Institute for Adriatic Crops, Put duilova 11, Split 21000, Croatia, and <sup>2</sup>Texas Agricultural Experiment Station, Texas A&M University, 1619 Garner Field Rd., Uvalde, TX 78801. (SGoreta@ag.tamu.edu)

**4:15 pm Effects of nitrogen rates on summer squash growth and yield.**  
 Camille E. Esmel\*, Bielinski M. Santos and James P. Gilreath. Gulf Coast Research and Education Center, IFAS, University of Florida. 14625 County Road. 672, Wimauma, FL 33598. (bmsantos@ifas.ufl.edu)

**4:30 pm Fruit size and stage of ripeness affect postharvest water loss in bell pepper fruit (Capsicum annuum L.).**  
 Juan Carlos Díaz-Pérez\*, María Dolores Muy-Rangel, and Arturo Gaytán Mascorro. Department of Horticulture, Tifton Campus, University of Georgia. (jcdiaz@uga.edu)

**4:45 pm Organic vegetable culture in Mississippi: Growing and profitable!**  
 W.B. Evans, K.W. Hood, K.L. Paridon\*, and P.M. Hudson. Mississippi State University Truck Crops Branch, P.O. Box 231, Crystal Springs, MS 39059-0231. (wbe@ra.msstate.edu)

**5:00 pm IR4 Update, New Pest Control Products Being Researched for the Vegetable Crops Industry.**  
 Charles Meister, PhD, University of Florida, IR4 Field Research Coordinator.

## **FRUIT CROPS SECTION**

**Room: Marathon & Cedar**

**Presiding: James R. Ballington, Fruit Crops Section Chair.**

**Abstracts must be electronically submitted to James R. Ballington ([jim\\_ballington@ncsu.edu](mailto:jim_ballington@ncsu.edu))**

**8:00 am Policies for Proprietary Release, Distribution and Sale of Fruit Crop Varieties and Germplasm by Land Grant Universities in the Southern Region: Introduction.** Jim Ballington, Horticultural Science Department, North Carolina State University, Raleigh, NC 27695-7609.

**8:15 am Policies for Proprietary Release, Distribution and Sale of Fruit Crop Varieties and Germplasm at the University of Georgia.** John Ingle, Director of Cultivar Development, University of Georgia Research Foundation, Athens, GA 30602.

**8:45 am Policies for Proprietary Release, Distribution and Sale of Fruit Crop Varieties and Germplasm at North Carolina State University.** Billy Houghteling, Technology Development Associate, Office of Technology Transfer, North Carolina State University, Raleigh, NC 27695-8210.

**9:15 am Break**

**9:30 am Policies for Proprietary Release, Distribution and Sale of Fruit Crop Varieties and Germplasm at the University of Arkansas.** John Clark, Department of Horticulture, University of Arkansas, Fayetteville, AR 72701

**10:00 am Sustainable Public Plant Breeding Programs.** Berry Treat, Assistant Director, Research Programs/Germplasm Property, Florida Agricultural Experiment Station and Florida Foundation Seed Producers, Inc., University of Florida, Gainesville, FL 32611-0200

**10:30 am Discussion**

**10:45 am Adjourn for SR-ASHS Business Meeting**

### **Afternoon Session**

**1:15 pm Evaluation of Chemical and Physical Methods for Roundup Injury Protection in Seven Tree Fruit Rootstocks.** Joseph G. Masabi, University of Kentucky Research and Extension Center, Princeton, KY 42445

**1:30 pm Performance of Pawpaw Cultivars in South Carolina.** Gregory L. Reighard, Department of Horticulture, Clemson University, Clemson, SC 29634-0319

**1:45 pm Performance of Guardian Rootstock in North Carolina.** Michael L. Parker, Department of Horticultural Science, North Carolina State University, Raleigh, NC 27695-7609

**2:00 pm A Proposal for the Establishment of a Southern Region Apple Improvement Program.** James R. Ballington, Department of Horticultural Science, North Carolina State University, Raleigh, NC 27695-7609

**2:15 pm**      **Suitable Regions for Blueberry Growing in China.** Yu Hong, CY Wang, Y Gu, SA He. Nanjing Botanical Garden, Institute of Botany, Jiangsu Province and Chinese Academy of Sciences. P. O. Box 1435, Nanjing 210014, PR China (shananhe@public1.ptt.js.cn)

**2:30 pm**      **El Niño-Southern Oscillation Effects and Forecasting Chill Unit Accumulation for Deciduous Fruit Crops in the Southeastern USA.** Bellow, J., Southeast Climate Consortium Florida State University, 200 R.M. Johnson Bldg., Tallahassee, FL 32306-2840 (bellow@coaps.fsu.edu)

**2:45 pm**      **IR4 Update, New Pest Control Products Being Researched for the Fruit Crops Industry.**

Charles Meister, PhD, University of Florida, IR4 Field Research Coordinator.

## **FLORICULTURE, ORNAMENTALS & TURF SECTION**

**Room: Largo**

**Presiding: John Ruter, Floriculture, Ornamentals & Turf Section Chair.**

**Abstracts must be electronically submitted as attachments to Dr. John Ruter, (ruter@uga.edu)**

**8:00 am**      **Integrating Ornamental Ponds in South Florida's Tropical Landscape.** Christian L. Miller\* and Joseph F. Garofalo. University of Florida, Miami-Dade County Extension Service, 18710 SW 288<sup>th</sup> St., Homestead, FL 33030. (millec4@ifas.ufl.edu).

**8:15 am**      **Opportunities for Exporting Landscape Plants from South Florida to the Caribbean Nations.** Ahmad R. Rafie\* and Joseph F. Garofalo. University of Florida, Miami-Dade County Extension Service, 18710 SW 288<sup>th</sup> St., Homestead, FL 33030.

**8:30 am**      **As the Growers See It: A Survey of Hurricane Katrina Damage to Nursery Crops and Structures in Miami-Dade, Florida.** Joseph F. Garofalo\* and Marcelo Siqueira. University of Florida, Miami-Dade County Extension Service, 18710 SW 288<sup>th</sup> St., Homestead, FL 33030 and Altria Lab Plants, LLC, 18700 SW 272<sup>nd</sup> Street, Homestead, FL 33031. (JGarofalo@mail.ifas.ufl.edu).

**9:00 am**      **Longterm Survival of Golden-Trumpet Tree, *Tabebuia chrysostricha* and Copperpod, *Peltophorum pterocarpum* on Rockland Soil in South Florida.** Joseph F. Garofalo\*. University of Florida, Miami-Dade County Extension Service, 18710 SW 288<sup>th</sup> St., Homestead, FL 33030 (JGarofalo@mail.ifas.ufl.edu).

**9:15 am**      **Tree Canopy Microclimates and Winter Injury to Woody Ornamentals.** Derald A. Harp\*. Department of Agricultural Sciences, Texas A&M University, Commerce, TX 75429 (Derald\_Harp@tamu-commerce.edu).

**9:30 am**      **Influence of Age of Plant Tissue on Propagation of Stem Cuttings of *Murraya paniculata* and *Tecoma stans*.** Christopher B. Cervenyc\*, James L. Gibson, and James E. Barrett. University of Florida, 1545 Fifield Hall, Gainesville, FL 32608 (cervenyc@ifas.ufl.edu).

**9:45 am**      **Media Influence on Post-Harvest Container Plant Quality in a Retail Nursery Setting.** Angelina de los Rosarios Lopez\*, Edward Bush, Paul Catledge, Ann Gray, Allen Owings, Charles Johnson, and Paul Wilson. Louisiana State University, Horticulture Department, Julian C. Miller Hall, Baton Rouge, LA 70803 (alopez3@lsu.edu).

**10:00 am      Production Protocols for Greenhouse Forcing of Selected Woody Plants.** Natalia Hamill\* and Allan Armitage. University of Georgia, Department of Horticulture, 1111 Miller Plant Science, Athens, GA 30602 (nhamill@uga.edu).

**10:15 am      Staking Affects Growth of Containerized Seedling Trees.** Thayne Montague\*, Department of Plant and Soil Science, Texas Tech University, Lubbock, TX 79409-2122 (thayne.montague@ttu.edu).

**10:30 am      Preventing Blow-Over of Nursery Containers.** Dick Parish\*, Hammond Research Station - LSU Ag Center, 21549 Old Covington Highway, Hammond, LA 70403 (dparish@agcenter.lsu.edu).

### Afternoon Session

**1:30 pm      Particle-Size Distribution of Bark Substrates and the Affects on Plant and Medium Relationships.** Michael P. Richard\* and Ed Bush, Louisiana State University, Department of Horticulture, 1134 Cornerstone Dr., Baton Rouge, LA 70810 (mricha8@lsu.edu).

**1:45 pm      Controlling Broadleaf Weeds in Groundcovers.** Christina Walsworth\* and Ed Bush, Louisiana State University, Department of Horticulture, 1134 Cornerstone Dr., Baton Rouge, LA 70810 (mclwalsworth@bellsouth.net).

**2:00 pm      Height Control of Herbaceous Perennials Forced using Night-Interrupted Lighting under Nursery Conditions.** Gary J. Keever and J. Raymond Kessler\*, Department of Horticulture, 101 Funchess Hall, Auburn University, AL 36849 (kesslerjr@auburn.edu).

**2:15 pm      Controlling Little-Leaf Disorder on *Loropetalum chinese* var. *rubrum* with Foliar Applications of Copper.** John M. Ruter\*, University of Georgia, Department of Horticulture, 115 Coastal Way, Tifton, GA 31794 (ruter@uga.edu).

**2:30 pm      The Influence of Cooling on Woody Shrubs Used for Greenhouse Forcing.** Allan M. Armitage\* and Natalia Hamill. University of Georgia, Department of Horticulture, Athens, GA 30602 (armitage@uga.edu)

**2:45 pm      Nitrogen Fertilization, Fungicide, and Planting Date Affect The Growth and Disease Incidence of *Vinca (Catharanthus roseus)* in Landscape Plantings.** Yan Chen\*. LSU AgCenter Hammond Research Station, 21549 Old Covington Hwy., Hammond, LA 70403. (yachen@agcenter.lsu.edu)

# **POST HARVEST/BIOTECHNOLOGY/PLANT BIOLOGY SECTION**

**Room: Clearwater**

**Presiding: Bill Klingeman, Post Harvest/Biotechnology/Plant Biology Chair**

Abstracts must be electronically submitted as attachment to Bill Klingeman, ([wklingem@utk.edu](mailto:wklingem@utk.edu))

**8:15 am Master gardener perception of genetically modified ornamental plants.** W.E. Klingeman\*, C.R. Hall and E.W. Babbit, The University of Tennessee, Plant Sciences Department, 2431 Joe Johnson Drive, 252 Ellington PSB, Knoxville, TN 37996-4561. ([wklingem@utk.edu](mailto:wklingem@utk.edu))

**8:30 am Phenolic composition and antioxidant activity in sweetpotato root and leaf tissues at different developmental stages.** M.S. Padda and D.H. Picha\*, Department of Horticulture, Louisiana State University Agricultural Center, Baton Rouge, LA 70803. ([dpicha1@lsu.edu](mailto:dpicha1@lsu.edu))

**8:45 am Lycopene content of organically grown tomatoes.** Penelope Perkins-Veazie\*, Warren Roberts and Julie K. Collins. USDA-ARS, SCARL, Lane, OK & WWREC, Oklahoma State University, Lane, OK 74555. ([pperkins-usda@lane-ag.org](mailto:pperkins-usda@lane-ag.org))

**9:00 am Potential of chlorine dioxide treatment to extend longevity of cut flowers.** Andrew J. Macnish\*, Ria T. Leonard and Terril A. Nell. Environmental Horticulture, P.O. Box 110670, University of Florida, Gainesville, FL 32611. ([amacnish@ifas.ufl.edu](mailto:amacnish@ifas.ufl.edu))

**9:15 am Flower abscission and anthocyanin development in cut phlox flower heads: Effect of ethylene inhibitors and sucrose.** Wayne A. Mackay\*, Environmental Horticulture, Texas A&M University - Dallas, 17360 Coit Rd., Dallas, TX 75252. ([w-mackay@tamu.edu](mailto:w-mackay@tamu.edu))

**9:30 am Break**

**9:45 am Fruit size and stage of ripeness affect postharvest water loss in bell pepper fruit (*Capsicum annuum* L.).** Juan Carlos Díaz-Pérez\*, María Dolores Muy-Rangel and Arturo Gaytán Mascorro. 226 Horticulture Bldg., Department of Horticulture, University of Georgia, CAES-Tifton, Tifton, GA 31793. ([jcdiaz@uga.edu](mailto:jcdiaz@uga.edu))

**10:00 am Edamame Vegetable Soybean Production in Tennessee.** Debra Carpenter\*, Alison Stewart, Vince Pantalone, Carl Sams, Dennis Deyton and Fred Allen, The University of Tennessee, Plant Sciences Department, 2431 Joe Johnson Drive, 252 Ellington PSB, Knoxville, TN 37996-4561. ([vpantalo@utk.edu](mailto:vpantalo@utk.edu))

**10:15 am Time and Temperature Effects on Degradation of Isothiocyanates in Biofumigation Systems.** Christina L. Pierson\*, Dennis E. Deyton and Carl E. Sams, The University of Tennessee, Plant Sciences Department, 2431 Joe Johnson Drive, 252 Ellington PSB, Knoxville, TN 37996-4561. ([csams@utk.edu](mailto:csams@utk.edu))

**10:30 am Current Research Programs at the USDA/ARS Citrus and Subtropical Products Laboratory.** Elizabeth Baldwin\*, USDA/ARS Citrus & Subtropical Products Laboratory, 600 Ave. S, NW, Winter Haven, FL 33883-1909. ([ebaldwin@citrus.usda.gov](mailto:ebaldwin@citrus.usda.gov))

**10:45 am Nutritional Components in Select Florida Tropical Fruits.** Kanjana Mahattanatawee\*, Elizabeth Baldwin, Kevin Goodner and Gary Luzio, USDA/ARS Citrus & Subtropical Products Laboratory, 600 Ave. S, NW, Winter Haven, FL 33883-1909. ([ebaldwin@citrus.usda.gov](mailto:ebaldwin@citrus.usda.gov))

**Guidelines for Electronic Submission of Abstracts  
for the Southern Region  
American Society for Horticultural Science  
2006 Conference in Orlando, Florida**

Abstracts for papers presented at the Southern Region - American Society for Horticultural Society annual conference in Orlando, Florida, February 4-6, 2006 will be submitted electronically to the appropriate Section Chair

The abstract should include: title, author(s) (presenting author indicated with an asterisk), affiliation(s) and abstract. Do not allow the length to exceed approximately 250-275 words. Use Times New Roman, 12 pt font. Please use **Word** software only for your submission.

**Section-Chairs or Coordinators must receive abstracts by February 15, 2006.** Section Chairs will contact authors of missing abstracts to confirm if they will be submitting an abstract. Abstracts will be submitted by e-mail as an attached word processing file.

The Southern Region - ASHS must pay for the publication of abstracts, therefore *at least one author must be a Southern Region - ASHS member who has paid the conference registration fee.*

**Section Chairs and Coordinators will send the abstracts, along with a copy of the program, to Nancy Hubbell, Managing Editor of *HortScience* at ASHS Headquarters by March 1, 2006.**