

PROCEEDINGS OF



RESEARCH CONFERENCE

Fifty-Sixth Annual Report

2011

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Special thanks are extended to the sponsors of the 2011 SNA Research Conference, Bennett's Creek Nursery, Lancaster Farms, and the Horticultural Research Institute. Without the financial contributions of these sponsors, the conference could not be held. We would also like to thank the Gulf States Horticultural Expo for providing the venue and additional support for the 2011 SNA Research Conference.

We extend our gratitude to all the researchers and nurserymen who attended the 56th Annual SNA Research Conference and/or contributed to these Proceedings. You make this annual event a success.

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Using Research Data Safely and Effectively

Good research is conducted under an exact set of controlled conditions, varying only the specific treatments which are to be evaluated. Results from the specific treatments are directly applicable to your operations only if all the conditions in your operation are controlled the same as in the research. Unfortunately, this seldom happens. However, this does not mean that you cannot benefit from the research. What it does mean is that you should use the research information on a trial basis if your plant species, soil type, watering method, size and age of plant, climatic region, etc. is different than that described by the researcher.

What an alert grower should expect to gain from these research reports is ideas – ideas as to the best control for insects, disease, nematodes and weeds – labor saving ideas such as chemical pruning and using growth regulators to minimize maintenance. Also, ideas on water management, nutrition, alternative growing media, new plants for landscaping and guides for improving profits and marketing skills can also be found.

Should you desire additional information on any report, please contact the author.

THE PORTER HENEGAR MEMORIAL AWARD
for
HORTICULTURAL RESEARCH



The Southern Nursery Association (SNA) has honored Dr. Winston C. Dunwell, Extension Professor of Horticulture at the University of Kentucky with the Porter Henegar Memorial Award during the 56th Annual SNA Research Conference. Dr. Gary Knox, a past winner of the award, made the presentation during the SNA Research Conference.

Originally known as the Research Award of Merit, the recognition was created in 1968 to honor those individuals who have made outstanding contributions to ornamental horticulture research and specifically to members of the association. In 1972, the award was renamed the Porter Henegar Memorial Award in honor of one of SNA's former Executive Secretaries. Nominations are made each year by the SNA's Director of Research and past award winners.

Dr. Winston Dunwell was born on Long Island in Southampton, NY . He grew up in East Quogue, NY where farming consisted of horticultural crops. He attended the State University of New York at Farmingdale and received his Associates Degree in Nursery Management. Following 4 years in the US Air Force he attended the University of Wyoming and received his Bachelors of Science in Plant Science/Horticulture. He earned his Ph.D. at the University of Idaho where he worked on the effects of cold stress on Ornamental Plants.

In 1979 Win accepted a position with The University of Kentucky as an Extension Horticulture Specialist for Nursery Crops. His area of interest is developing educational programs related to sustainable ornamental plant introduction, propagation, production, and utilization. Dr. Dunwell established the Nursery Crops Development Center to carry out trials on cultivated and native plants with unique characteristics of special interest to the nursery/landscape industry and the gardening public. The goal of the Center is to provide plants that will increase the product mix at the nursery, increase the number of plants available for the landscape designer's palette, and be useful in environment conservation and restoration.

**The Bryson L. James
Student Research Competition
2011 Awards**

This long-standing program was renamed in August 1989, in honor of Dr. Bryson L. James, longtime Director of Horticultural Research for the Southern Nursery Association. As Dr. James has been an active participant and leader in the annual Research Conference for more than 50 years, the award, named in his honor, is a tribute to his tireless efforts on behalf of the researchers, the association and the industry. Listed below are guidelines for the Student Competition as well as this year's winners:

1. Any student of a university or a college having researchers that participate in the Southern Nursery Association Research Conference, are not more than one (1) academic year removed from graduation and whose research was completed prior to graduation are eligible to compete.
2. Research is to be that of the presenter and a part of his/her educational studies. Contract work, unless a part of a thesis or classroom report (credit given), is not acceptable, as it may provide unlimited funding and an unfair advantage.
3. The number of student papers from a single university or college may be limited, should time restraints dictate.
4. The student must have submitted a title to the SNA Conference Editor by the deadline specified in the Call For Titles. The paper should then be submitted both to the Section Editor for the Student Competition and to the appropriate "topic" Section Editor no later than the specified deadline.
5. The paper must follow the guidelines for format and subject matter as stated in the Call For Titles for the SNA Research Conference.
6. Student and advisor should be listed as co-authors.
7. Oral presentation must be limited to seven (7) minutes. An additional three (3) minutes will be allotted for questions. A penalty of two (2) points per minute or part thereof for every minute over seven (7) minutes will be assessed.
8. Judging shall be based on preparation of the paper (50 points) and oral presentation (100 points) for a total of 150 points.

2011 Bryson L. James Student Competition Award Winners

M.S. Candidates

- | | | |
|-----------------------|------------------|--------------------|
| 1 st Place | Tyler Weldon | Auburn University |
| 2 nd Place | Cody W. Kiefer | Auburn University |
| 3 rd Place | Elizabeth Nyberg | Clemson University |

Ph.D. Candidates

- | | | |
|-----------------------|----------------|------------------------------|
| 1 st Place | Amanda Bayer | University of Georgia |
| 2 nd Place | Diana Cochrane | Mississippi State University |
| 3 rd Place | Jongyun Kim | University of Georgia |

Table of Contents		
Origin	Page(s)	Title and Author(s)
Weed Control		
MS	2-7	Effect of spent coffee grounds on germination of palmer amaranth, perennial rye, and white clover. Diana R. Cochran, Patricia R. Knight, and Mengmeng Gu
AL	8-10	Postemergence Control of English Ivy (<i>Hedera Helix</i>). Qian Yang, G. R. Wehtje and C. H. Gilliam
Plant Breeding and Evaluation		
TN	12-15	Inheritance of Pink Flower Color in <i>Styrax japonicus</i> . Sandra M. Reed
TX	16-20	Seed Stratification, Germination, and Greenhouse Performance of Diverse <i>Rosa</i> Species. Xinwang Wang, Masum Akond, Raul Cabrera, and James A. Reinert
TN	21-23	Identification of Mechanisms for Cold Tolerance in <i>Helleborus orientalis</i> Lam. Zong Liu, Roger Sauve, Suping Zhou
Growth Regulators		
TN	25-27	Effects of Plant Growth Regulators on Growth and Reproduction of <i>Humulus lupulus</i> . Chad Rowland and Roger Sauve
GA	28-34	Unexplained Wilting of Tomatoes after Exposure to Large Doses of Exogenous Abscisic Acid (ABA). Manuel G. Astacio and Marc van Iersel
Floriculture		
TX	36-40	Influence of Storage Temperature on the Viability of Crape Myrtle (<i>Lagerstroemia</i>) Pollen. Masum Akond, Cecil Pounders, and Xinwang Wang
TX	41-45	Growth and Quality of Greenhouse Roses Subjected to Partial Rootzone Stresses. Raúl I. Cabrera
GA	46-51	Physiological Responses of <i>Petunia</i> to Different Levels of Drought Stress. Jongyun Kim, Anish Malladi, and Marc van Iersel
OR	52-56	The Effect of Organic Fertilizer Formulation and Rate on Greenhouse Transplant Production of <i>Petunia</i> . Sarah Sydow, James S. Owen, Jr., Heather M. Stoven, and Brian Krug
AL	57-60	Corn cob as a Substitute for Perlite in Greenhouse Production. Tyler L. Weldon, Glenn B. Fain, Jeff L. Sibley, and Charles H. Gilliam
MS	61-63	Effects of Organic Fertilizers on <i>Chrysanthemum nankingense</i> . Yan Zhao, Guihong Bi, and Mengmeng Gu
TN	64-66	Selection of Gardenia Variants from Seeds. Suping Zhou, Sarabjit Bhatti, Roger Sauve, Jing Zhou, Zong Liu, and Brian D. Copeland

SNA Research Conference Vol. 56 2011

Origin	Page(s)	Title and Author(s)
Entomology		
LA	68-71	Effects Of Plant Age and Cultivar on Western Flower Thrips Damage Threshold for <i>Impatiens wallerana</i> . Yan Chen, Richard Story, Roger Hinson, and Allen D. Owings
NC	72-74	Fall and spring insecticide drenches to manage azalea lacebugs. Steven D. Frank
TN	75-84	Gleanings from a Five State Pest Management Strategic Plan and Crop Profile. Amy Fulcher, Craig Adkins, Greg Armel, Matthew Chappell, J.C. Chong, Steven Frank, Frank Hale, Kelly Ivors, William Klingeman III, Anthony LeBude, Joe Neal, Andrew Senesac, Sarah White, Jean Williams-Woodward, and Alan Windham
FL	85-88	Approaches in the Southern Region to Research and Extension for Sustainable Landscape Plant Production, Use and Pest Management. Gary W. Knox and Russell F. Mizell, III
TX	89-91	Chemical Control of Armored Scales. Scott W. Ludwig
MS	92-96	A New Method for Monitoring Strawberry Rootworm Populations in Nurseries. C. T. Werle and B. J. Sampson
NC	97-103	The black pearl pepper banker plant for biological control of thrips in greenhouses. Sarah Wong and Steven D. Frank
AL	109-113	Phenology Gardens in Alabama: Application of Plant Phenology to Pest Management. Raymond Young and David Held
Economics and Marketing		
IN	115-120	An Analysis of Consumer Preference for Sustainably Produced Bedding and Potted Flowering Plants. Joyia T. Smith, Jennifer H. Dennis, and Roberto G. Lopez
FL	121-122	The State of the Green Industry: National Nursery Survey Results. Alan Hodges, Charlie Hall, and Marco Palma
MS	123-126	Color and Taste: Consumer Perceptions of Flavor. Christine E. H. Coker, Wes Schilling, and Mike Ely
GA	127-130	Rural Retail Lawn & Garden Market Benchmarks. Forrest Stegelin
TN	131-132	Economic Challenges Facing Nursery Growers in Warren County, Tennessee. F. Tegegne, S. P. Singh, E. Ekanem, and P. Dharma
Water Management		
GA	134-138	Growth of 'Panama Red' Hibiscus in Response to Substrate Water Content. Amanda Bayer, Imran Mahbub, Matthew Chappell, John Ruter, and Marc van Iersel

SNA Research Conference Vol. 56 2011

Table of Contents		
Origin	Page(s)	Title and Author(s)
SC	139-145	Phosphorus Acquisition and Remediation of Simulated Nursery Runoff Using Golden Canna (<i>Canna flaccida</i>) in a Floating Wetland Mesocosm Study. J. Brad Glenn, Elizabeth T. Nyberg, Jonathan J. Smith, and Sarah A. White
TX	146-151	Salt Tolerance of Selected Bedding Plants. Genhua Niu and Denise S. Rodriguez
TX	152-156	Salt Tolerance of Five Wildflower Species. Genhua Niu, Denise S. Rodriguez, Cynthia McKenney
SC	157-161	Ecological Disinfestation: Evaluation of Substrates for Removal of Zoospores of <i>Phytophthora nicotianae</i> From Water. Elizabeth T. Nyberg, Inga M. Meadows, Steven N. Jeffers, Sarah A. White
GA	162-166	Water Consumption of <i>Hydrangea macrophylla</i> as Affected by Environmental Factors. Lucas O'Meara, Matthew Chappell, and Marc W. van Iersel
GA	167-172	Growth of Petunia as Affected by Substrate Moisture Content and Fertilizer Rate. Alem Peter, Paul A. Thomas, and Marc W. van Iersel
GA	173-179	Substrate Water Content Dynamics in Nurseries: Real-Time Monitoring Can Improve Irrigation Practices. Marc van Iersel, Will Ross, Sue Dove, Matthew Chappell, Paul Thomas, John Ruter, and Sherryl Wells
SC	180-186	Time-Course Nutrient Uptake by Three-Plant Species Established in Floating Wetlands. Sarah A. White, Jonathan J. Smith, Elizabeth T. Nyberg, J. Brad Glenn
Brazil	187-191	Monitoring And Controlling Subirrigation With Soil Moisture Sensors: A Case Study With Hibiscus. Rhuanito Soranz Ferrarezi and Marc W. van Iersel
Pathology and Nematology		
MS	193-199	Determine the Efficacy of Biological Fungicides for Control of Pythium Stem and Root Rot in Poinsettia. Mengmeng Gu, Maria Tomaso-Peterson, Yan Zhao
TN	200-203	Survey for Bacterial Pathogens in Creeks at the Collins River Subwatershed. C. Korsi Dumenyo, Caleb Kersey, Sam Dennis, and Debbie Eskandarnia
AL	204-211	Organic Fungicides Compared for Foliar Disease Control on crape myrtle and hydrangea. A. K. Hagan, J. R. Akridge, J. W. Olive and J. Stephenson
AL	212-214	Reaction of Ornamental Switchgrass (<i>Panicum virgatum</i>) selections to rust and anthracnose. A. K. Hagan, J. R. Akridge, and K. L. Bowen

Table of Contents		
Origin	Page(s)	Title and Author(s)
AL	215-217	Control of Rust on Panicum (switchgrass) with fungicides. A. K. Hagan and J. R. Akridge
TN	218-224	Perpetuation of Cherry Leaf Spot Disease in Flowering Cherry. Jacqueline Joshua, Margaret T. Mmbaga and Lucas A. Mackasmiel
TN	225-229	Efficacy and Methods of Application of Biological Control Agents Against Powdery Mildew in Dogwood. Mackasmiel, L. A., and Mmbaga, M. T.
TN	230-234	Spatial Analysis of Phytophthora Diseases in Nursery Production System in Warren County, TN. Katherine Kilbourne, Margaret Mmbaga and Robert Harrison
Container Grown Plant Production		
KS	236-240	Cedar Substrate Particle Size Affects Growth of Container-Grown <i>Rudbeckia</i> . Zachariah Starr, Cheryl Boyer, Jason Griffin
NC	241-245	Cotton Amended Substrates: Wrinkle Free? Elizabeth D. Bridges, Helen T. Kraus, Brian E. Jackson, and Ted E. Bilderback
KY	246-249	Differences in Pour-through Results from Two Plant Species and a No-plant Control. Winston Dunwell, Carey Grable, Dwight Wolfe, and Dewayne Ingram
AL	250-253	Allelopathic Influences of Fresh and Aged Pine Needle Leachate on Germination of <i>Lactuca sativa</i> . Whitney G. Gaches, Glenn B. Fain, Donald J. Eakes, Charles H. Gilliam, and Jeff L. Sibley
AR	254-259	Parboiled Rice Hulls Effect on Physical Properties of Amended Pine Bark Substrates During Long-term Nursery Crop Production. Celina Gómez and James Robbins
OR	260-265	Response of Containerized <i>Hydrangea macrophylla</i> 'Endless Summer' to a Mineral-polyacrylate Substrate Amendment and Reduced Overhead Water Application. Michael T. Kapsimalis, James S. Owen, Jr. and Heather M. Stoven
AL	266-269	Use of Neem Cake as an Organic Substrate Component. Cody W. Kiefer, Jeff L. Sibley, Dexter B. Watts, H. Allen Torbert, Glenn B. Fain, Charles H. Gilliam
OR	270-273	Non-Chemical Solutions To Reduce Root Escape In Pot-In-Pot Nursery Production. Jimmy Klick, James S. Owen, Jr. and Heather M. Stoven
NC	274-276	Pine Tree Substrate Properties: Before and After Production. Emily Lumpkin, Brian Jackson, Helen Kraus, Bill Fonteno, and Ted Bilderback
FL	277-282	Pruning Effects on Trade #3 <i>Viburnum odoratissimum</i> Growth and Leaf Area. Jeff Million, Tom Yeager and Joseph Albano
AL	283-287	Fertilizer Effects on Annual Growth in Sweetgum, Hickory, and Cedar Substrates. Anna-Marie Murphy, Charles H. Gilliam, Glenn B. Fain, Tom V. Gallagher, H. Allen Torbert, and Jeff L. Sibley

SNA Research Conference Vol. 56 2011

Table of Contents		
Origin	Page(s)	Title and Author(s)
AR	288-291	Evaluation of Eight Slow-release Fertilizers on the Growth of Container-grown <i>Spiraea x bumalda</i> L. 'Anthony Waterer'. James Robbins and Celina Gomez
KS	292-296	Cedar Substrate Particle Size Affects Growth of Container-Grown <i>Rudbeckia</i> . Zachariah Starr, Cheryl Boyer, Jason Griffin
VA	297-299	Pine Tree Substrate pH as Affected by Storage Time and Lime and Peat Moss Amendments. Linda L. Taylor, Alex X. Niemiera, and Robert D. Wright
AL	300-302	Utilization of Potato Sludge Waste as a Substrate Amendment in Horticulture Crop Production. Matthew S. Wilson and Jeff L. Sibley
Landscape		
TX	304-307	Growth and Flowering Responses of Three Novel Landscape Plants to Summer Shade Levels in Central Texas. Michael A. Arnold, Andrew R. King, and Sean T. Carver
MS	308-311	Effects of Pre-plant Compost and Subsequent Fertigation on Landscape Performance of Organically-grown Marigold. Guihong Bi, William B. Evans, Mengmeng Gu and Vasile Cerven
TX	311-321	Evaluation of Landscape Plants for Use on Green Roofs in the Texas Gulf Coast Area. Anthony W. Camerino, Carol S. Brouwer and Astrid Volder
LA	322-327	Fertilizer Regimes during Production Affect <i>Coleus</i> Growth and Quality in the Landscape. Yan Chen, Allen Owings, Regina Bracy
GA	328-335	Market Demand for <i>Smilax smallii</i> ? A Survey of Design Use in the South. Brad E. Davis
TN	336-340	Does potting depth of container grown maples affect landscape performance? Donna C. Fare
AL	341-344	Effect of Repeated Short Interval Flooding on Growth of Four Native Shrub Taxa. Kaye Jernigan and Amy Wright
AL	345-350	Soil Carbon as Affected by Horticultural Species and Growth Media. S. Christopher Marble, Stephen A. Prior, G. Brett Runion, H. Allen Torbert, Charles H. Gilliam, Glenn B. Fain, Jeff L. Sibley, and Patricia R. Knight
TX	351-357	Impact of Post-establishment Applied Organic Mulch on Gas Exchange and Growth of Two Oak Tree Species. Thayne Montague, Cynthia McKenney, Kaylee Decker
LA	358-360	LSU AgCenter People's Choice Landscape Award Winners – Spring 2010. Allen Owings, Yan Chen, Roger Rosendale and Regina Bracy
FL	361-367	Landscape Performance and Invasive Potential of 12 <i>Ligustrum sinense</i> , <i>Ligustrum lucidum</i> and <i>Ligustrum japonicum</i> Cultivars Grown in North and South Florida. Sandra B. Wilson and Gary W. Knox

Table of Contents		
Origin	Page(s)	Title and Author(s)
NC	368-374	Evaluation of Evergreen <i>Acer</i> at the JC Raulston Arboretum. Mark Weathington
KS	374.1-374.4	Irrigation Frequency Affects Growth and Photosynthetic Capacity of Four Conifer Species. Joshua Pool, Jason Griffin, Cheryl Boyer, and Stuart Warren
Plant Propagation		
NC	376-377	Grafting Fraser fir (<i>Abies fraseri</i>): Effect of Grafting Date, Shade, and Irrigation. Haley Hibbert-Frey, John Frampton, Frank A. Blazich, and L. Eric Hinesley
NC	377-384	Grafting Fraser fir (<i>Abies fraseri</i>): Effect of Scion Origin (Crown Position and Branch Order). Haley Hibbert-Frey, John Frampton, Frank A. Blazich, Doug Hundley, and L. Eric Hinesley
MS	382-384	Softwood Cutting Propagation of <i>Agastache</i> and <i>Buddleja</i> Using IBA and IBA+NAA Solutions. Eugene K. Blythe
AL	385-388	Improving the Success of Microcutting Establishment from Native Azaleas. K.L. Bowen
Mexico	389-392	Effect of Cell Size on Growth and Physiology of Mexican Fan Palm (<i>Washingtonia robusta</i> H. Wendland: Arecaceae) Seedlings. Andrés Adolfo Estrada-Luna; Horacio Claudio Morales Torres; Victor Olalde-Portugal; Esteban Camarena Olague; Carlos Romero González
AR	393-396	Rooting of Two Woody Ornamental Plants in Eight Propagation Substrates. Celina Gómez and James Robbins
MS	397-402	Direct Seed Germination Methods for Assessing Phytotoxicity of Alternative Substrates. Anthony L. Witcher, Eugene K. Blythe, Glenn B. Fain, Kenneth J. Curry and James M. Spiers
Engineering, Structures and Innovations		
TN	404-410	Biomass Productivity Potential by Selected Cellulosic Herbaceous Perennials in Acid Impacted Soil. E. Kudjo Dzanor, Vallaban Murugesan, Roger Painter and Dafeng Hui
Mexico	411-414	Design and Construction of a Machine for Grafting Prickly-pear Cactus (<i>Opuntia</i> spp., Cactaceae) cladodes. Andrés Adolfo Estrada-Luna; Francisco Javier Martínez Serrano; Sergio Ortiz Mendoza; Manuel Domingo Vargas Aguayo, Carlos Patricio Achurra Sánchez
TN	415-420	Elucidating Rhizodegradation for Use in Phytoremediation of Synthetic Pyrethroids. Le, X., D1. Hui, and E.K. Dzanor
MS	421-428	Demonstration Results From Greenhouse Heating with Liquified Wood. Philip Steele, Don Parish and Jerome Cooper
AL	429-432	Integration of Aquaculture Waste with Horticulture Crop Production. Jeremy M. Pickens, Jesse A. Chappell, Jeff L. Sibley, Adam M. Sleeper, Wheeler G. Foshee and Sami Abdul Rhaman