

# IPPS

Sharing Plant Production Knowledge Globally



Southern Region  
of North America



## WELCOME TO TULSA!

# 48<sup>th</sup> Annual Meeting

International Plant Propagator's Society  
Southern Region of North America

Hyatt Regency Tulsa

100 E Second Street • Tulsa, OK 74103

October 26 – 30, 2024

# SCHEDULE

## Saturday, October 26

4:00 PM	Hotel Registration Begins
4:00 PM - 8:00 PM	Conference Registration Open, Weather Center
4:00 PM - 8:00 PM	Auction Plants accepted, Promenade A
8:00 PM - 10:00 PM	Board Meeting, Executive

## Sunday, October 27

6:00 AM - 9:30 AM	Conference Registration, Weather Center
7:00 AM	Sponsor exhibit set-up, Promenade Foyer
7:30 AM	Load Buses for Tours in front of hotel
7:45 AM	Buses Depart
8:45 AM	Greenleaf Nursery, Ft. Gibson
9:45 AM	Load buses
10:00 AM	Travel to Sooner Plant Farm
10:30 AM	Tour Sooner
11:30 AM	Load buses
11:45 AM	Travel to Greenleaf Nursery in Park Hill
12:00 Noon	Lunch sponsored by Greenleaf Nursery
1:00 PM	Tour Greenleaf Nursery, Park Hill
2:30 PM	Load buses
2:45 PM	Travel to SugarTree Nursery
3:30 PM	Tour SugarTree Nursery
4:30 PM	Load buses
4:15 PM	Travel to Tulsa Botanic Garden
5:30 PM	Tulsa Botanic Garden Tour, Drinks, & Dinner
7:30 PM	Load buses
7:45 PM	Depart for hotel
8:00 PM	Arrive at hotel
7:30 PM - 9:00 PM	Conference Registration Open, Weather Center
5:00 PM - 9:00 PM	Auction Items Accepted, Promenade A

## Monday, October 28

6:00 AM - Noon	Conference Registration Open, Weather Center
7:00 AM - Noon	Silent Auction Items accepted, Promenade A
7:00 AM	Poster Set-up, Promenade Foyer
7:30 AM	Silent Auction Opens, Promenade A

*On Tuesday evening,  
please consider taking a student to dinner.  
Students have a student ribbon on their badges.  
As you meet them throughout the conference,  
invite a student to dinner.*

8:00 AM	Opening Remarks, Dr. Cheryl Boyer, 2023-24 IPPS-SR President, Promenade B,C,D Introduction of Vivian Munday Scholarship Recipients, Margie Jenkins Scholarship Recipient, Coach Vince Dooley Scholarship Recipient, and Exchange Program Participants
8:15 AM	Session 1 Moderator, Linda Guy, Plants Nouveau
8:15 AM	<b>The Next-Generation Substrates: All you need to know about new substrate concepts and ideas</b> Dr. Jeb S. Fields, Louisiana State University AgCenter
8:35 AM	<b>Building an ecosystem in your growing containers</b> , Mike Serant, MicroLife Organic Biological Fertilizers
8:55 AM	<b>Innovative Trends in Irrigation: Enhancing Efficiency in Container Nurseries</b> , Caleb Saunders, Canopy
9:15 AM	<b>Question and Answer for Session 1 Speakers</b>
9:25 AM	<b>Recognition of New Members</b> Brie Arthur, Membership Chair
9:35 AM	<b>Poster Pitch</b> , Students
9:50 AM	<b>Sponsor Recognition</b> , Sponsor Chair, Dr. Anthony Witcher
9:55 AM	<b>Refreshment Break</b> , Visit with Sponsors, Visit Silent Auction, View Posters, Promenade Foyer
10:15 AM	Session 2 : Dr. Mack Thetford, University of Florida
10:20 AM	The Charles SR-IPPS Student Research Competition
10:25 AM	<b>First Student Presenter</b>
10:45 AM	<b>Second Student Presenter</b>
11:05 AM	<b>Third Student Presenter</b>
11:25 AM	<b>Fourth Student Presenter</b>
11:45 AM	<b>Question and Answer for Session 2 Speakers</b>
11:50 AM	<b>Sponsor Recognition</b> , Sponsor Chair, Dr. Anthony Witcher
11:55 AM	<b>Meeting Announcements</b>
Noon - 1:30 PM	<b>Lunch</b> on your own
1:30 PM	Session 3 Moderator, John Davy, Panhandle Growers, Inc.
1:35 PM	<b>Sustainability and Horticulture Plastics: Current and Emerging Environmental and Regulatory Challenges</b> , Tom Marting, Sustainable Solutions at the HC Companies

# OF EVENTS

1:55 PM	<b>Drone Applications for Nurseries,</b> Dr. James Robbins, Ornamental Hort Services
2:15 PM	<b>Getting it Right: Improving Your success with pre-emergent herbicides,</b> Steve Larson, ENVU
2:35 PM	<b>Question and Answer for Session 3 Speakers</b>
2:45-3:05 PM	<b>Refreshment Break,</b> Visit with Sponsors, Visit Silent Auction, View Posters Session 4, Moderator Dr. Mengmeng Gu, Colorado State University
3:05 PM	<b>Rose Rosette Disease - Where from? What now?</b> Kevin Ong, Texas A&M University
3:25 PM - 3:45 PM	<b>Unleashing the true Potential and Power of Water,</b> Jeff Nunes, AQUA4D US, LLC
3:45 PM	<b>Leaf Sap Analysis for Plant Resilience,</b> David Knaus, Apical Crop Science, LLC
4:05 PM	<b>Question and Answer for Session 4 Speakers</b>
5:00 PM	Silent Auction Closes
5:30 PM - 6:30 PM	Social, Promenade B,C,D
6:30 PM - 9:30PM	Awards Banquet and Live Auction Promenade B,C,D
9:00 PM - 11:00 PM	Auction Check out.
11:30 PM	All auction items must be paid for and removed from the auction room.

## Tuesday, October 29

6:30 AM - 9:30 AM	Registration Open, Weather Center
6:30 AM - 7:30 AM	Fellows Breakfast, By Invitation only, Executive Room
7:30 AM	Buses Load in front of hotel
7:45 AM	Travel to Philbrook Museum of Art
8:00 AM	Tour Philbrook Museum of Art garden
9:00 AM	Load buses
9:15 AM	Travel to Sanders Nursery
9:55 AM	Tour Sanders Nursery
11:00 AM	Load buses
11:15 AM	Travel to Gathering Place
12:00 Noon	Arrive at Gathering Place, Boxed Lunch
12:30 PM	Tour Gathering Place
2:00 PM	Load buses
2:15 PM	Travel to Southwood production facility
2:25 PM	Tour Southwood production facility
3:10 PM	Load buses
3:20 PM	Travel to Southwood Garden Center
3:30 PM	Tour Southwood Garden Center, Happy Hour (beer, wine, non-alcoholic drinks)

Please bring along  
a few dollars in cash to tip the bus drivers  
on Sunday and Tuesday.

5:00 PM	Load buses
5:10 PM	Travel to hotel
5:30 PM	Arrive at Hotel
6:00 PM - 7:30 PM	Conference Registration Open
7:00 PM	Dinner on Your Own
8:00 PM	Ice Cream Social, Promenade B, C, D
8:30 PM - 10:00 PM	Question Box, Promenade B, C, D

## Wednesday, October 30

7:00 AM - 9:30 AM	Conference Registration Open
8:00 AM	Session 5, Moderator Todd Lasseigne, Bellingrath Gardens and Home
8:00 AM	Welcome
8:05 AM	<b>Unlocking Crop and Facility Potential with Water Treatment,</b> Justin Leavitt, Moleaer, Inc.
8:25 AM	<b>Managing Plant Nutrition for Resistance to Pests and Diseases,</b> Jason Stoll, Advancing Eco Agriculture
8:45 AM	<b>Clean Crops Start with Clean Props,</b> Max Gilley, Biosafe Systems, LLC
9:05 AM	<b>Question and Answer for Session 5 Speakers</b>
9:15 AM	<b>Annual meeting</b>
10:15 - 10:35	<b>Break</b>
10:35 AM	Session 6, Moderator Jenny Ryals, Mississippi State University
10:35 AM - 10:55	<b>Entomopathogenic Nematodes,</b> Lee Hanson, Asymmetry Technologies
10:55 AM - 11:15	<b>Air Root Pruning: The Latest and Greatest Step Forward in Propagation,</b> Chris Murphy, Rediroot
11:15 AM	<b>Question and Answer for Session 6 Speakers</b>
11:25 AM	Session 7, Moderator Jim Crockett, Nufarm
11:25 AM	<b>International Delegate Report,</b> Laura Miller
11:40 AM	<b>IPPS Early Career International Exchange Program 2023: Souther Region North America to Europe,</b> Teagan Young, University of Florida
11:55 AM	<b>Looking forward to Orlando in 2025,</b> Todd Gentry, Cherylake Inc.
12:10 PM	<b>Question and Answer for Session 7 Speakers</b>
Conference Ends	

Thank you for attending, and we look forward to seeing you next year in Orlando, FL!

12:30 PM - 2:00PM	Board Meeting and Lunch, Executive
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# 2024 IPPS-SR Tour Description

## Sunday Tours

### Greenleaf Nursery

Founded in 1945, Greenleaf Nursery is one of North America's largest wholesale nursery growers, with four locations (Oklahoma, Texas, and North Carolina). Greenleaf produces over 8,000 cultivars of plants, including broadleaf evergreen and deciduous shrubs, 70+ cultivars of ornamental grasses, shade, and ornamental trees, as well as a color program featuring annuals, perennials, and tropical plants. Between all locations, their nurseries are nearly self-sufficient in propagation. Their primary markets in the U.S. and Canada are retailers, wholesale distribution centers, and landscapers. The Fort Gibson location produces bare-root deciduous trees and shrubs for high-quality liners destined for larger container sizes. The Park Hill location produces container-grown plants on a beautiful site adjacent to Lake Tenkiller, making water management a crucial nursery component. <https://www.greenleafnursery.com/>



### Sooner Plant Farm

Founded in 1999 by Brian and Marsha Chojnacki, Sooner Plant Farm specializes in mail-order plants (direct to consumer). The nursery produces over 4,700 cultivars of popular landscape plants as well as hard-to-find and rare cultivars in quarts (perennials), 1-gal, 5-gal (5 to 6-foot trees), and 7-gal (shrubs). Pioneers in e-commerce, Sooner Plant Farm's online sales website was launched in 2004 and proved to be such a strong market that the nursery began focusing exclusively on online sales in 2007. Partnering with FedEx Ground, they perfected their shipping methods and are now a top-ranked internet nursery retailer. <https://www.soonerplantfarm.com/>



### SugarTree Nursery

SugarTree was founded in 1994 by Daryl and Deborah Bailey in Hulbert, OK, producing container-grown trees for local field growers. Purchased in 2015 by Scott and Bethany Maxwell; production was expanded, and container-grown shrubs, grasses, and perennials are now produced for regional rewholesalers and select retailers. The 40-acre facility contains 350,000 sq ft of covered overwintering houses with 15,000 sq ft of propagation space. No supplemental heating is used on the nursery. All shipping is handled by SugarTree. The crop mix of landscape plants currently consists of 676 varieties (238 shrubs, 86 grasses, 350 perennials).



### Tulsa Botanic Garden

Located eight miles northwest of downtown Tulsa on 170 acres of rolling hills of Osage County, the Tulsa Botanic Garden seeks to engage learners of all ages in horticultural delight and connection. Planning for the garden began in 1999, and the first Executive Director was appointed in 2003. Groundbreaking for the garden was in 2007, and it was opened to the public on a limited basis in 2009. A master plan and grant funds guide the development of the garden, with the significant infrastructure projects of the A.R. and Marylouise Tandy Floral Terraces opened in 2015 and the Bumgarner Lotus Pool in 2020. Sixty acres of the site are planned for development. In 2019, the garden hosted the U.S. Postal Service Stamp Dedication Ceremony for "Winter Berries," and the Children's Discovery Garden was featured in an exhibit at the U.S. Botanic Garden in Washington, D.C. <https://www.tulsabotanic.org/>



# 2024 IPPS-SR Tour Description

## Tuesday Tours

### Sanders Nursery and Distribution

Sanders Nursery and Distribution is one of Oklahoma's largest and most respected nurseries, building upon the traditions of superior quality, fair pricing, and great service. The business provides retail and wholesale plant sales, offers extensive plant selections locally, and ships to multiple states. Its on-site greenhouse systems feature retractable roof greenhouses, automated watering systems, 24 sliding doors for vehicle loading and unloading, and 600-foot aisles designed for trucks, carts, and people. Inventory is instantly accessible at strategically placed computer kiosks. Their primary focus is on providing consumers and wholesalers with the best prices and the highest quality products. <https://www.sandersnurseryok.com/>



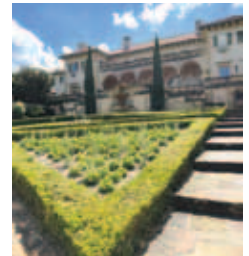
### Gathering Place

Gathering Place, an award-winning 66.5-acre park along Tulsa's riverfront, opened in 2018. Recently named USA Today's Best City Park of 2024 and recognized as a top 100 unexpected travel destination by National Geographic, Gathering Place is a free park for all. From weekly educational programs and high-production events to boat rides on the pond and access to world-class playgrounds, sports courts, a skate park, and a BMX pump track, visitors can experience the magic of Gathering Place at no cost. The park boasts an impressive natural landscape, featuring 1.2 million plants of 400 species, more than 6,000 trees, and 16 acres of prairies. All of Oklahoma's ecological regions are represented in various gardens throughout the park, including prairies, wetlands, and forests. <https://www.gatheringplace.org/>



### Philbrook Museum of Art

The Philbrook Museum of Art is a premier destination for cultural engagement and garden delight. Opening in 1939, it features a historic home, a world-class art museum, and 25 acres of gardens. The Philbrook Collection features more than 16,000 objects focusing on American, Native American, and European art. On-site growing facilities include a small greenhouse for propagation and overwintering tropical and stock plants. <https://philbrook.org/>



### Southwood Landscape and Garden Center, Growing Facility

Southwood opened its doors in the spring of 1982 as a small landscape design-build firm and grew into a full-scale garden retail, landscape services, and plant production business. The garden center encompasses 5 acres and includes a 25,000-square-foot, state-of-the-art greenhouse. The nearby greenhouse production facility grows many of the garden center's products, including pansies, roses, mums, and summer annuals. It continues to be a family-run operation, headed by native Tulsans Margaret Schulte and Brenda Baird, daughters of founders Joe and Ginny Schulte. <https://southwoodgardencenter.com/>



**Please use this QR code  
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2024 conference evaluation.**



# IPPS–SRNA Officers & Committees for 2023-2024

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Director 2-year  
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Director 2-year  
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Maarten Van der Giessen

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3-year  
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Kevin Gantt

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Bobby Green

P Past President 3-year  
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Tom Saunders

2022 Winner 2-year  
Bill Turk

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Co-Chair  
Dr. Sandy Wilson

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Maarten van der Giessen &  
Rick Crowder

2022 Fellows 3-year  
Dr Jim Robbins &  
Kevin Gantt

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International Delegate  
Laura Miller

International Alt  
Brie Arthur

Secretary/ Treasurer  
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# THANK YOU to Our 2024 Sponsors!

## IPPS-SR Fellows Recipients

John L. Machen, Sr, 1993  
Charles H. Parkerson, 1993  
Dr. Carl E. Whitcomb, 1993  
Ron W. Copeland, 1994  
Fred W. Garrett, 1994  
Peter van der Giessen, 1995  
Judd P. Germany, 1995  
David M. Byers, 1996  
Dr. Michael A. Dirr, 1997  
Dr. Bryson L. James, 1998  
James Berry, 1999  
Buddy Martin, 1999  
Richard Marshall, 2000  
Ben Davis II, 2000  
Wayne Sawyer, 2001  
James Gilbert, 2002  
Dr. David L. Morgan, 2003  
Bill Barr, 2004  
Doug Torn, 2004  
Margie Yates Jenkins, 2005  
Don A. Covan, 2005  
Randy Jacobs, 2005  
Dr. Charles Gilliam, 2006  
Dr. Fred T. Davies, 2006  
Eelco Tinga, Jr., 2007  
Bob Smart, 2007  
Stewart Chandler, 2008  
Dr. Ted Bilderback, 2008  
Bill Turk, 2009  
Dr. Patricia Knight, 2010  
Dr. Thomas Yeager, 2010  
Hugh Gramling, 2011  
Kay Phelps, 2012  
Dr. Gary Knox, 2013  
Dr. Mack Thetford, 2014  
Tom Saunders, 2015  
Robert Black, 2015  
Dr. John Ruter, 2016  
Buddy Lee, 2017  
Dennis Niemeyer, 2018  
Dr. Sandra Wilson, 2018  
Dr. Donna Fare, 2019  
Dr. Allen Owings, 2019  
Dr. David Creech, 2020  
Rick Crowder, 2021  
Maarten van der Giessen, 2021  
Kevin Gant, 2022  
Dr. James Robbins, 2022  
John Hoffman, 2023

## Recipients of Southern Region's Sidney B. Meadows Award of Merit

Charles H. Parkerson, 1990  
David M. Byers, 1991  
Dr. Vivian Munday, 1992  
Dr. Bryson L. James, 1993  
Dr. Fred T. Davies, Jr., 1994  
Bill Barr, 1995  
James B. Berry, 1996  
Dr. J.C. Raulson, 1997  
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John Machen, Sr., 1999  
Dr. Carl E. Whitcomb, 2000  
Dr. Michael A. Dirr, 2001  
James Gilbert, 2002  
Dr. David L. Morgan, 2003  
Fred Garrett, 2004  
Dr. Charles Gilliam, 2005  
Dr. Donna Fare, 2006  
Thomas 'Buddy' Martin, 2007  
Dr. Tom Yeager, 2008  
Dr. David Creech, 2009  
Dr. Ted Bilderback, 2010  
Margie Jenkins, 2011  
Don Covan 2012, 2012  
Stewart Chandler 2013  
Rick Crowder, 2014  
Eelco Tinga, Jr. 2015  
Dr. Mack Thetford, 2016  
Dr. Patricia Knight, 2017  
Robert "Buddy" Lee 2018  
Robert "Bob" Black 2019  
Dr. Gary Knox 2020  
Tom Saunders, 2021  
William "Bill" Turk, 2022  
Dennis Niemeyer, 2023

## INTERNATIONAL SPONSORS



## NORTH AMERICAN SPONSORS



## UPCOMING MEETINGS

*Note: We will change to a Sunday - Thursday format.*

**2025 (Oct 19 – Oct 23) Orlando, FL**

**2026 (Oct 18 – Oct 22) Houston, TX**

# IPPS

Sharing Plant Production Knowledge Globally



## Southern Region of North America

### 48th Annual Meeting

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