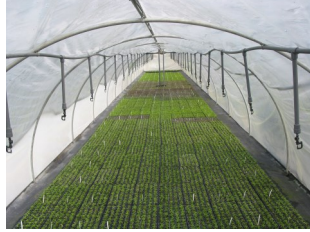


IPPS

SHARING PLANT PRODUCTION KNOWLEDGE



Western Region of North America 58th Annual Meeting

Growing in Diversity

Holiday Inn, Portland, I-5 S

Wilsonville, Oregon

October 17-20, 2017

Welcome

The International Plant Propagators Society invites you to the 58th annual meeting of the Western Region and its annual conference being held this year in Wilsonville, Oregon.

This is a meeting you will not want to miss! Come tour a region known for its diverse agriculture. Come see why the nursery/greenhouse industry consistently rank as one of Oregon's top two agricultural commodities, along with beef cattle. In fact, the nursery and greenhouse industry was the #1 agricultural industry in 2016 with \$909 million in sales.

Poster Session

Any research, development, or horticultural practice about plant propagation or plant production is appropriate as long as it is non-commercial in nature. Posters do not have to be academic or scientific! If you have an innovative technique or method for growing plants, feel free to share it through a poster. For the second year, new plants will be presented as posters. This change should help ensure that everyone gets a chance to see the new introductions and allow time for more in depth discussion. Both non-patented and patented plants may be presented and posters should discuss the unique characteristics of each new plant and the features that make the plant unique. Information on the taxonomy and source of propagules (seed, cuttings, plugs, liners, etc.) should also be presented. Please feel free to bring specimens to present with the poster. Please limit your plant introductions to those from 2016 or newer.

Contact Larry Rupp at larry.rupp@usu.edu by September 22, 2017.

More information can be found at http://admin.ipps.org/uploads//IPPS-WR_2017_Call_for_Posters_New_Plants_v2.pdf

Welcome Reception

Our Welcome Reception will be held from on Tuesday, October 17, 2017 from 6:00 to 8:00. This will give the Pre-conference Tour participants and early registrants an opportunity to socialize and get acquainted.

Banquet

Our evening banquet is planned for Thursday, October 19th. This is another great social event to build relationships and meet new people within the society.

Silent Auction

We are currently organizing and seeking donations for this event. For plant donations, uncommon, one-of-a-kind items usually generate the best bids. In addition, donations of books, plants, garden and patio accessories, tools, gift certificates, event tickets, clothing, gift baskets and garden art are all appropriate.

Auction donation forms are available on the IPPS Western Region website under silent auction or contact Patrick Peterson 503-329-7941 patrick.peterson@bayer.com



Lodging

The Holiday Inn in Wilsonville

Reservations may be made by calling **1-503-682-2211** by **September 26th, 2017** to reserve your room with the IPPS discounted rate. Be sure to mention you are with the IPPS group. For additional details, visit:

https://www.ihg.com/holidayinn/hotels/us/en/wilsonville/pdxso/hoteldetail#scmisc=nav_hoteldetail_hi

Welcome to the Holiday Inn® Portland South. Come experience a memorable stay with first class amenities and décor at our fine hotel & conference center in Wilsonville Oregon. We are conveniently situated off I-5 and 205 freeways; the hotel is only 20 minutes to downtown Portland and Oregon's capital city of Salem. Our hotel is located in the business district of Wilsonville. The Holiday Inn is proud to be the only full service hotel in Wilsonville. Experience our upgraded fiber optic complimentary internet, free parking, Fitness Center and heated indoor pool & spa. Additional amenities include Boonetown Bistro & Bar and B3 Lounge.

Transportation must be arranged from the airport to the hotel, as there is no public transportation available from the airport.

Options include: Several cab companies, Uber and Lyft, & Rental cars also available.





Driving Directions to the Holiday Inn Portland: I-5 S (Wilsonville) from the Portland International Airport

- Head northwest on NE Airport Way (3.2 miles)
- Use the right 2 lanes to merge onto Interstate 205 S
- Continue on I-205 S (24.3 miles)
- Use the left 2 lanes to exit/merge onto I-5 S toward Salem
- Continue on I-5 S (1.5 miles)
- Take exit 286 for Elligsen Road/Boones Ferry Road
- Turn right on SW Boones Ferry Rd. (0.2 miles)
- Turn left onto SW 95th Ave

25425 SW 95th Avenue

Check In: 3PM

Wilsonville, Oregon 97070

Check Out: 12PM

- Located 25 miles from Portland International Airport



Travel Information

Oregon Attractions

- Oregon Museum of Science and Industry
- Mt. Saint Helens
- Mount Hood/Columbia Gorge
- Rose Garden Arena
- Portland Art Museum
- Japanese Gardens
- Chinese Gardens
- Washington Park Zoo and Hoyt Arboretum
- Elk Rock Garden & Leach Botanical Garden
- The Oregon Garden
- WaterFront Park
- Portland Convention Center and Visitor Bureau
- International Rose Test Garden
- Oregon Wine Country
- Oregon Coast
- Spirit Mountain Casino
- Woodburn Outlet Mall
- Bridgeport Village Mall
- Langdon Farms Golf Course



Schedule of Events

Tuesday, October 17



Preconference Tours

Youngblood Nursery

Monrovia

Carlton Plants (lunch)

North American Plants

Board Buses 7:15

8:30-9:30

10:15-11:30

11:45-1:45

2:15-3:45

Back to Hotel 5:00 pm

Welcome Reception

6:00-8:00 pm

Silent Auction & Exhibits Open 6:00



Schedule of Events

Wednesday, October 18

Breakfast & President's Breakfast—6:00-7:15

Morning Tours

Buses Load 7:15

Aroma Cannabis	8:00-8:45 (must have ID)
Woodburn Nursery & Azaleas	9:00-10:00
Microplant Nurseries Inc	10:30-11:30
PlantSmith Nursery	11:45-12:30
Fir Point Farms (Lunch)	12:45-2:00

Afternoon Session

2:30-5:00

John Cooley

Proptek

2:30-3:15

Container Options for
Automation, Labor Savings, &
Great Roots

Break

3:15-3:30

Norman LaFaille

Harrell's (Polyon)

3:30-4:00

Controlled Release Fertilizers:
The History and Impact

Break

4:00-4:15

Moriah LaChapell Schalock

Wilbur Ellis

4:15-5:05

Biocontrol in Propagation

Dinner—on your own

Schedule of Events

Thursday, October 19

Breakfast—6:00-7:15

Morning Tours

Buses Load 7:15

Heirloom Roses

8:00-9:00

Minto-Island Growers

9:30-10:30

Smith Gardens

11:15-1:00

Afternoon Session

1:30-4:30

Joe Kupillas

ASK, LLC

1:30-2:15

Adapting Automation to your Operation

Break

2:15-2:30

Ryan Contreras

Oregon State University

2:30-3:15

The struggle is real (but fun): long term breeding at a public university

Break

3:15-3:30

Steve Becker

Tainio Biologicals

3:30-4:30

Living Soils

Evening Banquet

No Host Bar

6:00-7:00 (Auction Closes at 7:00)

Banquet

7:00-9:00

Schedule of Events

Friday, October 20

Breakfast—6:00-7:30

Morning Session

IPPS Updates

7:45-8:00

New Zealand Exchange

Dharini Marinkovich

8:00-8:30

Kelley Broadlick

8:30-9:00

Nuggets of Knowledge

9:00-9:45

Robin Rosetta**

Oregon State University

9:45-10:45

The Hordes: emerging pest threats to Western Plants

Luisa Santamaria**

Oregon State University

10:45-11:45

"What's your problem?"

Diagnosing plant disease for nursery growers

****Pesticide Credit Hrs offered**

Both sessions are minimum 2 credit hrs for Oregon & Washington

Pre-conference Tour Venues

Youngblood Nursery

Youngblood Nursery is a wholesale provider of woody ornamental nursery stock in containers to retail nurseries, brokers, and landscapers. The nursery part of the farm has been in operation since 1990. Owners Don, Jeanne, and Troy Youngblood have been rapidly expanding the nursery portion and it has become the mainstay of the farm. Part of the 142 acre establishment is planted with hazelnut orchards, but most of their time and energy is devoted to the nursery. They employ about 45 people and keep them busy as they ship year-round. They are still expanding each year to offer a wider variety of plants. They do the majority of their own propagation in order to control the quality of the early stages of their plants. This also allows them to control timing of the finished product to correspond with customer needs.



Monrovia



Monrovia Nursery Company was founded in 1926 by Harry E. Rosedale. Under his guidance, this company has become the nation's largest producer of container grown plants. Harry E. Rosedale was a pioneer in developing new technologies for successful container production. He instilled the values of quality and integrity. In addition he paved the way for combining the skills of a nurseryman with the marketing know-how of a businessman. Today Monrovia is a company of over 2000 people who are recognized for providing "Distinctively Better" plants to leading garden centers nationwide. From 10 acres in 1926, they now have over 2000 acres and four locations. They continue to be leaders in developing new technologies and introducing new plant varieties. Each year Monrovia produces and ships more than 50 million plants. The company remains one of the nation's largest producers of container grown plants.

Pre-conference Tour Venues

Carlton Plants (lunch)

Carlton Nursery began growing prune trees for the commercial orchard industry in 1890 in the town of Carlton. As the company grew, it moved to larger pieces of property to accommodate its need for land. In 1971, the nursery finally settled in Dayton, Oregon. Since then, the nursery has acquired additional ground and now operates on approximately 1,850 acres. Today Carlton Plants continues to provide quality bareroot shade, ornamental and fruit trees, ornamental shrubs and rootstocks to growers, landscapers, retail garden centers, landscape contractors, and others engaged in the nursery industry. Carlton's diverse propagation department utilizes grafting, budding, softwood cuttings, hardwood cuttings, layerbeds, root pieces, seedlings, and tissue culture as methods to meet their production schedules. Recently, they have constructed a 3,200 square foot tissue culture lab.



North American Plants

North American Plants is a progressive grower of tissue culture plant material for agriculture and nursery production needs. We are one of the largest tissue culture nurseries in the nation and supply a wide range of rootstocks for orchards, berries for agriculture and an assortment of ornamental plants for the nursery trade. All plants are offered as stage four plug grown liners with three plug sizes available depending on the plants requested. The talented staff at North American Plants would welcome the opportunity to sit down with you to discuss your operation and its needs for your continued success.



Wednesday Tour Venues

Aroma Cannabis

Aroma Cannabis is a Tier 2 state licensed Recreational Cannabis production facility. Founded in 2015, Aroma received an active license from OLCC in March of 2017. The company consists of 3 partners, 2 of which have over 70 combined years of Nursery ownership experience. And the remaining partner having both grown and worked in the Oregon Medical Marijuana industry since age of 15 (also making him the youngest patient at the time in 2000). Aroma Cannabis is on the front line of conscience cannabis growing methods which utilize organic soil, top dress and compost teas as the only medium and fertilizer methods. No bottled nutrients or synthetic fertilizer. Pest management program is also all natural in the strict form of OMRI listed soaps and oils, and finishing the flowering cycle using only beneficial bugs. Aroma strives to be a leader in clean quality Cannabis production now, and in the long foreseen future. Aroma Cannabis. The nose knows.

Woodburn Nursery & Azaleas

Woodburn has two primary product groups, ornamental nursery stock and florist quality blooming azaleas. With our nursery stock division Woodburn is consistently rated as one of the top ornamental nurseries in the United States. Fifteen years ago the Fessler family foresaw the change in customer demand from field grown plant material, known as B&B for ball and burlap, to container grown product. Today Woodburn has 185 acres of pot-in-pot production and plans to add more. Today finished nursery stock is shipped throughout United States and Canada. Woodburn is also the largest producer of florist quality azaleas in the country. Grown in various pot sizes and unique topiary shapes, these plants are also shipped throughout the United States and Canada. Blooming azaleas are sold in color to grocery store chains, wholesale and retail florists and interior landscapers. Woodburn also sells plants that are budded and ready to force to greenhouse customers that 'force' the plants into color for distribution to their customers.

Wednesday Tour Venues

Microplant Nurseries Inc

Microplant opened their doors in January 1980 with two goals in mind - to provide large numbers of new and improved fruit tree rootstocks and shade trees to the owners of the company, and secondly to provide great plants to the general nursery trade for profit. Over the past 37 years, they have pioneered the technique of commercial micropropagation on a large scale, producing millions of plants each year. They sell only lab product: Stage 2 unrooted microcuttings, and Stage 3 in vitro rooted plantlets. Over the years Microplant has grown from two employees to a year round staff of about 50, building to a seasonal workforce of about 65-70 employees at peak season (six to eight months of the year). In 2000, they built and moved into a new building, computerized their entire process and connected the various departments, providing increased predictability, efficiency and quality. The company continues to grow at a rapid pace, adding new cultures rooms and hoods "upstairs" to keep up with demand.

PlantSmith Nursery

PlantSmith Nursery is a wholesale nursery, specializing in Rex Begonia, and a few other shade plants. PlantSmith Nursery has developed several new varieties of Begonias, such as the Jurassic's and some of the Shadow King varieties, that are available nationwide. They focus on developing Rex Begonias that have interesting leaf colors and characteristics, can be grown commercially at lower temperatures, are full bushy plants with better branching so a single cutting can fill a pot, and plants that are more disease and mildew resistant.

Fir Point Farms (lunch)

Fir Point Farms is a 35 acre family owned farm operating since 1997. The country store and gift shop features fresh local produce, jams, jellies, local raw honey, fresh baked bakery items and a deli. In the spring, their large glass greenhouse and surrounding hoop houses are filled with the highest quality bedding plants, perennials, trees, shrubs and container gardens. Hanging baskets are their specialty. Also around the farm, is Hazel's Nut House, farm animals, a play structure & tether ball, a picnic area and a scenic nature trail. In the fall, they host a 6 acre pumpkin patch and a 6 acre corn maze.

Thursday Tour Venues

Minto Island Growers



Minto Island Growers is a diversified farm and nursery located in South Salem next to Minto Brown Island Park. Along with a dedicated farm team, Chris Jenkins and Elizabeth Miller take great pride in growing organic produce for the Salem community and beyond, through their CSA program, the Salem Saturday Market and the Farm Stand just 10

minutes from downtown Salem. They are humbled to steward this land which has been a part of the Miller family farm since the 1970s.

Smith Gardens

Smith Garden's Aurora facility spans 25 acres with 20 acres of greenhouse and 3 acres of field space. In 2013, they added a 3 acre glass greenhouse

which has allowed the facility to repurpose 40,000 gallons of water every day. This year they've constructed another 8-acre glass greenhouse! With special, light-diffusing glass, even when there are

baskets hanging above annuals in trays, there are no shadows. Smith Gardens employs 75 people full time and hires around 140 seasonal employees. The Aurora facility produces and ships product year-round. Starting in January with viola, pansy and other cool season crops. Their peak shipping week is the week leading up to Mother's Day when they ship 132,000 flats of product. In July, the team begins to plant Poinsettias in preparation for the winter shipping season. As fall nears, they move from bedding plants and hanging baskets to mums, and end the year with Poinsettias. Each year Smith Gardens ships out an estimated 450,000 Poinsettias.



Heirloom Roses

Heirloom Roses is a family owned business and garden dedicated to providing the highest quality rose plants on the market. They offer live, own-root roses shipped directly to you from their website. All own root roses are more winter hardy, disease resistant, and there is no graft to contend with.

Speaker Bios

JOHN COOLEY

Proptek

John has been in plant propagation since he left University in 1976 and worked mainly on vegetable plant propagation development taking the Speedling system to Europe in the 1980's and developing hard plastic propagation trays in the late 1980's. He started his own nursery in 1981 plus started making his own plastic trays in 1986 and selling them in 1987. Since then he has developed some 50+ new tray designs models. In about 2000 he started to work on trays for shrubs and trees which had to a) produce better roots b) be practical c) be economical and John's company Proptek now has a good and rapidly expanding range of these trays.

NORMAN LAFAILLE

Harrell's (Polyon)

Norman attended the Stockbridge School of Agriculture in the early nineties and in 1997 earned a Master of Science degree from The University of Massachusetts/Amherst with a focus on Plant Science. Norman has 20 plus years working in the "green Industry", the last fifteen years he has worked for Harrell's, the exclusive manufacturer and formulator of Polyon control release fertilizer in the US. He spent 7 years in direct sales and support to clients in the Northeast and Mid-Atlantic and for the past 8 years he has directed a sales team throughout much of the United States with a major focus on plant nutrition to the Nursery and Greenhouse industry.

MORIAH LACHAPPELL SCHALOCK

Wilbur Ellis

Moriah LaChapell is a Licensed Pesticide Consultant specializing in biological control of insects and biorational pesticides for Wilbur-Ellis. She has a Bachelor of Science Degree in Biology from Western Oregon University and a Professional Viticulture Certificate from Washington State University. She has a background in ornamental horticulture, greenhouse production and viticulture.

Speaker Bios

JOE KUPILLAS

Allied Solutions by Kupillas, LLC (ASK)

"ASK" represents a number of products in the green industry throughout the western U.S. Each product has a unique value proposition associated with efficiency. Specific manufacturers include: Pace 49, Phyton Corporation, Wellmark International, and Wurdinger Manufacturing. Joe specializes in consultative product placement in market segments that include nursery, turf and agriculture. ASK also offers consultation support on specialty projects ranging from new product development to systemizing production practices.

RYAN CONTRERAS

Woody Ornamental Plant Breeding at Oregon State University

Ryan received his B.S. and M.S. degrees from North Carolina State in Horticultural Science where he conducted undergraduate and graduate research in ornamental plant breeding. He received his Ph.D. from the University of Georgia where he continued research on breeding of nursery and landscape plants. Ryan has been with the Department of Horticulture at Oregon State University since December 2009, where he has a research and teaching appointment. His research program focuses on developing new cultivars of woody trees and shrubs with a particular emphasis on sterility in weedy species. Ryan teaches a course on plant growth and development as well as the spring and fall woody landscape plant materials courses in which he tries to mold the next generation of plant geeks.

Speaker Bios

STEVE BECKER

Tainio Biologicals

As Chief Science Officer, Steve Becker's job at Tainio Biologicals affords him an up close and personal view into the world of soil biology. Steve has a Bachelor of Science degree in Biology, and a Bachelor of Arts degree in Education from Eastern Washington University. He has mentored with Bruce Tainio and Dr. Arden Andersen, has successfully completed a certified crop advisor course, and consults with formulators and customers in the agricultural field.

ROBIN ROSETTA

Oregon State University: Associate Professor, Extension Entomologist

Robin is the Regional Extension Educator-Integrated Pest Management (IPM) for Nursery production. She has worked at NWREC since 1994. Her Nursery IPM Extension program, based at the North Willamette Research and Extension Centers, is a multi-dimensional information system to assist nursery and greenhouse growers to make informed decisions in all aspects of integrated pest management (IPM) including pest identification, monitoring, pest biology, thresholds, and pest management tactics. My program serves commercial growers in Clackamas, Columbia, Linn, Marion, Washington, and Yamhill Counties.

(Pesticide Credit Hrs offered)

Speaker Bios

LUISA SANTAMARIA

Oregon State University: Associate Professor Extension, Plant Pathology Specialist, and Bilingual Educator

Luisa started at NWREC in March of 2009. Her duties include extension and outreach activities to support the nursery industry through educational programs, and applied research in different aspects of plant health in nursery crops. She also helps support bilingual education in different agriculture sectors to promote the production of healthy plants, and worker awareness about best management practices. Luisa's Research Interests include soil borne plant pathogens related with nursery and greenhouse production, evaluation of fungicide resistance of *Pythium* isolates from nursery and greenhouse crops, plant-microorganism interactions, biological control agents for plant disease management, and soil photosynthetic free-living microorganism (such as *Cyanobacteria*), as a potential source of metabolic compounds to management plant pathogens or potential biofertilizers.

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Registration Information

Membership in IPPS is on an individual basis, not corporate. Non-members are welcome to attend this meeting; however each individual who attends will pay registration fees. Students must verify their status by providing a faculty advisor's signature on the registration form.

Payment can only be made in **U.S. funds**.

SPECIAL OFFER: Non-members may attend at the member registration rate if they submit a 2017 membership application for the IPPS Western Region with their registration. Membership application forms are available on our website www.wna.ipps.org

Refund Policy: Refund requests received by **September 16th** will be honored. No refunds will be made during the Annual Meeting. Refunds after October 7th will depend on the availability of funds due to commitments made for those registrations; there will be a **\$25.00 processing fee** on all refunds.

A receipt will be emailed if an address is provided. If not your receipt will be in the registration packet that you receive in Wilsonville.

If you have special dietary needs, special room needs or special transportation needs for the tours please contact the Western Region office by September 19th so that arrangements can be made. If you have questions concerning this meeting or membership, contact *Gail Gredler Secretary/Treasurer, IPPS Western Region*, E-mail: ggredler@comcast.net