

IPPS-WR UCNFA CCNS Conference 2024

PECHANGA RESORT CASINO
TEMECULA, CALIFORNIA, US
JANUARY 23 - JANUARY 26, 2024

HOSTED IN COLLABORATION WITH

WESTERN REGION, INTERNATIONAL PLANT PROPAGATORS' SOCIETY
IPPS-WR AND UC NURSERY AND FLORICULTURE ALLIANCE UCNFA &
THE CALIFORNIA CITRUS NURSERY SOCIETY CCNS





Program

PECHANGA RESORT CASINO
45000 PECHANGA WAY
TEMECULA, CA 92592

PRE-CONFERENCE CCNS

Tuesday, January 23

TEMECULA WINERY TOUR - 2 HRS. Location and details will be sent by email

TEMECULA GOLF COURSE - MID MORNING ACTIVITY

CCNS WELCOME DINNER AT 6 PM. Location and details will be sent by email

DAY 2 CCNS

Wednesday, January 24

- 7:30 AM Pechanga West Ballroom - Registration and continental breakfast
- 8:15 AM Welcome & Introductions - **Deborah Pagliaccia**, CCNS Executive Director and **Heidi Cervantes**, President Board of Director
- 8:30 AM Moderator - Aaron Dillon, CCNS Board of Directors Member
- 8:30 AM Winter citrus nursery production: Controlling light and temperature for optimal growth. **Rayane Bisi**, Postdoctoral Research Associate in Kim Bowman research group, University of Florida, USDA-ARS
- 9:00 AM Evaluating the Economics and Efficacy of Carbon-Based Fertilizers in Citrus Nurseries. **Jonathan Kaplan**, Sacramento State University, **Valeria Lavagi** & **Deborah Pagliaccia**, UC Riverside
- 9:30 AM Maximizing Grower Profits: Cost-Benefit Analysis of Utilizing Viroid-Treated Dwarfed Trees vs. Conventional Trees in Commercial Citrus Orchards. **Valeria Lavagi**, UC Riverside, **Jonathan Kaplan**, Sacramento State University, **Georgios Vidalakis** & **Irene Lavagi-Craddock**, UC Riverside
- 10:00 AM New Approaches to Monitoring and Controlling Argentine Ant in Citrus. **Mark S. Hoddle**, UC Riverside

California Citrus Nursery Society Conference 2024



DAY 2 CCNS

Wednesday, January 24

- 10:30 AM Coffee Break in West ballroom with Sponsors and Posters Visit in Main Ballroom
- 11:00 AM Moderator - **Tracy Kahn**, CCNS Board of Directors Member
- 11:00 AM Using Stable Antimicrobial Peptide to Control HLB. **Hailing Jin**, UC Riverside
- 11:30 AM Citrus relatives: breeding against huanglongbing. **Nelson Arno Wulff**, Fundo de Defesa da Citricultura - Fundecitrus, Brazil. (Via Zoom)
- 12:00 PM Determining Seed Viability During Fruit Maturation to Improve Seed Production and Availability of New Citrus Rootstocks. **Fernando Alferez**, University of Florida, IFAS (Via Zoom)
- 12:30 PM **Lunch** in West Ballroom with **Sponsors and Posters** Visit in Main Ballroom
- 1:30 PM Moderator - **Heidi Cervantes**, CCNS Board of Directors President
- 1:30 PM Sponsors presentations - 5-15 minutes each presentation.
1. Green-tek Presentation. **Ford Scott**, Green-tek Company
 2. Towards improving the detection of *Candidatus Liberibacter asiaticus*, the causative agent of citrus greening. **Jonathan Phillips**, David Chen, and Gregor Blaha, Department of Biochemistry, UC, Riverside
 3. Controlled Environment Agriculture (CEA): Vertical Farming production systems for citrus nursery. Video, Survey and Workshop Announcement. **UC Riverside Citrus Clonal Protection Program (CCPP)** & Crop Box Groups
 4. Using balk processing to control HLB. **Doug Hill**, Technology Evolving Solutions, TES & Citrus Clonal Protection Program, UCR CCPP
- 2:30 PM CDFA clean citrus nursery stock program. **Victoria Hornbaker**, CDFA. (Via Zoom)
- 3:00 PM Coffee Break in West ballroom with Sponsors and Posters Visit in Main Ballroom

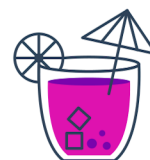
3:30 PM **Citrus Nursery Industry: Present and Future** – Join Our Panel Discussion Hosted by Nursery Growers. Please scan the barcode to participate in our survey and share your insights on the challenges facing the citrus nursery industry. Your valuable responses will inform and enrich our panel discussion.










4:30 PM Closing Remarks and Adjournment

4:35 PM Explore Our Posters and Sponsors' Room – Refreshments

6:00 PM Available at the Bar.



Thanks to our CCNS 2024 Sponsors

<p>Level 3 Grapefruit</p> 		
<p>Level 2 Orange</p> 		
<p>Level 1 Mandarin</p> 		

8:00 AM

BUS DEPARTURE AT ASSEMBLY LOCATION PECHANGA RESORT CASINO

45000 Pechanga Pkwy Temecula, CA 92592

NOTE: Bus Group 2 will visit the nurseries in a different order.

9:00 AM

ARRIVE AT FIRST STEP GREENHOUSES

43315 Calle Rocinante Temecula, CA



First Step Greenhouses excels in providing superior young plant material to the horticulture industry. Dedicated to excellence and sustainability, they offer a diverse range of plant species suitable for both commercial and personal gardening needs. Their operation is driven by a commitment to nurturing growth and promoting a sustainable future. Equipped with advanced facilities and a team of expert horticulturists, First Step Greenhouses ensures each plant meets stringent health and quality standards. Known for innovative cultivation techniques and a focus on customer satisfaction, they aim to be the go-to source for plant propagation.

10:00 AM

DEPART FIRST STEP GREENHOUSE

10:40 AM

ARRIVE AT OLIVE HILL GREENHOUSES

1990 Green Canyon Rd Fallbrook, CA 92028



Olive Hill Greenhouses, renowned for its commitment to sustainable and innovative horticulture, has been a leading provider of high-quality foliage and flowering plants since its inception. Specializing in a diverse range of plant varieties, Olive Hill Greenhouses is dedicated to nurturing plants that enhance both indoor and outdoor environments. With a strong focus on environmental stewardship, the company employs eco-friendly practices in all aspects of its operations. Known for its expertise in the horticulture industry, Olive Hill Greenhouses is recognized for its ability to consistently produce robust, healthy plants that cater to the needs of both commercial and individual clients.

11:10 AM

DEPART OLIVE HILL GREENHOUSE

11:25 AM

ARRIVE AT ALTMAN PLANTS FALLBROOK

2575 Olive Hill Road Fallbrook, CA 92028



Altman Plants stands as one of the most innovative and largest producers of succulents and cacti in the United States. Renowned for their extensive variety and superior quality, Altman Plants has established itself as a leader in the horticulture industry. With a deep-rooted passion for plants and a pioneering spirit, they continuously explore and introduce new and exciting plant varieties to the market. Their commitment to sustainability and environmental responsibility guides their cultivation practices, ensuring a greener future. Altman Plants is not only a trusted supplier for retailers but also a source of inspiration for plant enthusiasts, shaping trends in plant décor and gardening.

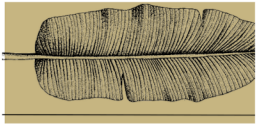
12:25 PM

DEPART ALTMANS PLANTS**Box lunch on bus**

12:55 PM

ARRIVE AT GRUBB AND NADLER

2416 Rainbow Valley Blvd Fallbrook, CA 92028



Grubb & Nadler Nurseries, recognized for their extensive selection of ornamental plant varieties, is a leading name in the horticulture industry. They specialize in cultivating a diverse range of high-quality plants, catering to both commercial landscaping needs and individual gardening enthusiasts. Known for their commitment to sustainable practices, Grubb & Nadler Nurseries ensures each plant is nurtured to thrive in various environments. With a focus on customer satisfaction and a keen eye for innovation, they continue to expand their offerings, making them a go-to source for gardeners and landscapers seeking both classic and unique plant selections

1:55 PM

DEPART GRUBB AND NADLER

2:05 PM

ARRIVE AT HINES/EVERDE

2500 Rainbow Valley Blvd Fallbrook, CA 92028



Everde Growers is a distinguished leader in the horticulture industry, offering an expansive selection of high-quality plants. Their inventory includes a diverse array of trees, shrubs, perennials, palms, grasses, succulents, tropicals, fruits, and more. With a commitment to providing a wide range of plant options, Everde Growers prides itself on its ability to meet the varied needs of its customers. They are known for their dedication to excellence, ensuring that each plant in their collection is nurtured to optimal health and vigor. Everde Growers stands as a trusted name in the industry, catering to both commercial and residential clients with their exceptional plant offerings.

3:05 PM

DEPART HINES/EVERDE GROWERS

3:30 PM

BUSES ARRIVE AT ASSEMBLY LOCATION PECHANGA RESORT CASINO

45000 Pechanga Pkwy Temecula, CA 92592

THURSDAY NIGHT BANQUET - MAIN GRAND BALLROOM - PECHANGA RESORT CASINO

5:30 PM

RECEPTION

6:00 PM

BANQUET DINNER

6:30 PM

BANQUET SPEAKER - KAREN ROSS

SECRETARY OF CALIFORNIA FOOD AND AGRICULTURE



- 7:30 AM Registration outside Pechanga main Ballroom
- 8:00 AM Session VII
Moderator: Don Merhaut, UC Riverside
Substrate, Irrigation and Your Fertilizer - **Jim Owens**, Research Horticulturist, Appl. Technol. Res. Unit, USDA - ARS
- 8:30 AM Growing with Less: Substrate Stratification Can Improve Crop Productivity and Resource Efficiency - **Jeb Fields**, Assistant Professor & Extension Specialist, Hammond Research Station, Louisiana State University
- 9:00 AM How Container Color and Root Zone Temperature Affect Plant Growth and Fertilizer - **Jacon Shreckhise**, Research Horticulturist, Otis L. Floyd Nursery Research Center, USDA - ARS, U.S. National Arboretum
- 9:30 AM Nutrient Allocation from CRFs in Containers During a One Year Growing Cycle for Southern California - **Don Merhaut**, Extension specialist for Nursery and Floriculture Crops, Dept. of Botany & Plant Sciences, UCR
- 10:00 AM Break
- 10:30 AM Session VIII
Moderator Don Merhaut, UC Riverside
Automation Opportunities at Everde Growers - **Matt Gold**, Everde Growers
- 11:00 AM Tuning in to Your Plants: Using RFID for Plant Inventory - **Tom Fernandez**, Dept. of Horticulture, Michigan State University
- 11:30 AM Integrating Substrate, Plant, and Atmospheric Water Demands for Precision Irrigation and Nutrient Demands - **John Lea-Cox**, Professor & Extension Specialist of Nursery and Greenhouse Research, Dept. of Plant Science and Landscape Architecture, University of Maryland
- 12:00 PM Lunch
- 1:00 PM Session IX
Moderator Chris Shogren, UC Los Angeles
Reservoir Design and Water Quality - **Sarah White**, Professor and Nusery Extension Specialist, Dept. of Plant & Environmental sciences, Clemson University

- 1:30 PM Calculations to Improve Nursery Irrigation Efficiency – **Amy Fulcher**, Professor & Extension Specialist for Sustainable Ornamental Plant Production and Landscape Management, Dept. of Plant Sciences, University of Tennessee
- 2:00 PM Nitrogen Management in Nursery Production and Irrigation Training for Green Industry – **Burno Pitton**, Staff Research Associate, Dept. of Plant Sciences, University of California, Davis
- 2:30 PM Break
- 3:00 PM Session X
Moderator Chris Shogren, UC Los Angeles
Emerging Pests and Pathogens – **Chris Shogren**, Environmental Horticulture Advisor, University of California Cooperative Extension, Los Angeles County
- 3:30 PM Integrating Biocontrol into Propagation and Production – **Clint Taylor**, Program Assistant, North Willamette Research and Extension Center, Oregon State University
- 4:00 PM Managing Eriphyoid Mites on Agave and Aloe – **Eric Middleton**, IPM Advisor, University of California Cooperative Extension, San Diego County
- 4:30 PM Adjournment. Thanks for attending!