

# Fall Workshop Thursday, October 19, 2023 8:00 am - Noon Front Range Community College, 3645 W. 112th Ave., Westminster

# **Evolving Production Practices for a Changing Future**

sponsored by:



8:00 – 8:30 Continental Breakfast and Beverages

### 8:30 – 9:15 Opening Panel Session: Plants and Trees for a Changing Climate

Mike Bone, Denver Botanic Gardens; Al Gerace, Welby Gardens; Kelly Grummons, Prairie Storm Nursery Session Summary: A higher level discussion of the challenges plant growers/designers may face as climate change continues to unfold. What direction is envisioned regarding the types of plants that will become more desired and more adapted to a warming, drier climate? What role will native plants play and how will they get incorporated into the mainstream of horticulture and landscaping?

#### <u>Nursery Track</u>

# 9:30 – 10:15 Innovation and New Technology for Conserving Water in Nursery Production

Jerrod Scott, Rainbird, Denver

**Session Summary:** This presentation will look at a variety of nursery irrigation systems and how they can be controlled to deliver the most efficient application rates for different watering needs, from filters and pumps to valves, rotors, sprays, nozzles, innovative drip systems controller platforms.

#### 10:25 – 11:05 Pest Pressures in a Changing Climate

Dr. Whitney Cranshaw, Professor Emeritus, CSU Session Summary: Insects and mites are very sensitive to weather and sustained climate changes will have several kinds of effects. This presentation will highlight several of the important insects affecting nursery plants and that cause problems in and around homes in Colorado, and how different kinds of climate change may affect them.

### 11:15 – 12:00 Supplying Climate Resilient Trees

Andrew Lisignoli, Trees of Corrales

**Session Summary:** Learn what practices production nurseries are taking to supply trees that will be resilient to a warming climate. You will explore new tree introductions/reintroductions, growing techniques to prepare trees for a harsh environment and recommendations on how you can meet this challenge.

#### **Greenhouse Track**

## New Herbaceous Varieties to Grow in a Water-Wise World

Dr. Chad Miller, CSU Session Summary: What new varieties should you know and grow for low water requirements?

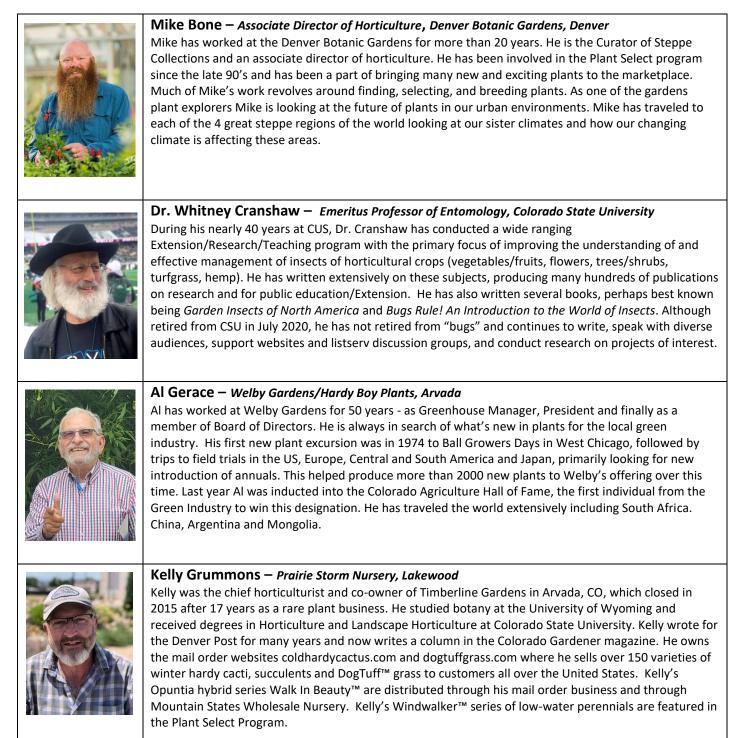
#### Work Smarter, Not Harder

John Williams, Tagawa Greenhouse Enterprises Session Summary: Tips and tricks for efficiency in the greenhouse, including automation used for efficiency and labor.

## Water and Nutrition for Growing the Best Plants in the Greenhouse

Dr. Steve Newman, Professor Emeritus, CSU Session Summary: Learn new techniques and strategies for optimizing greenhouse production through the effective use of water and nutrients.

# **Speaker Profiles**



	Andrew Lisignoli – Trees of Corrales, Corrales, New Mexico Andrew's horticultural career spans more than 50 years and a variety of experiences in four states. After earning a degree in Physical Geography and Botany at California State University Northridge, he continued his horticultural studies at Colorado State University and gained practical experience in California, Colorado, Oregon and New Mexico. Arriving in New Mexico in 1979, Andrew managed a retail garden center, owned a landscape contracting business in Santa Fe, and became a New Mexico Certified Nursery Professional (NMCNP #113). His heart lies in nursery production and the challenge to provide trees and other plants that will succeed in the landscape.
	<b>Dr. Chad Miller -</b> <i>Colorado State University, Fort Collins</i> Dr. Miller recently joined the faculty as an assistant professor in landscape horticulture in the Dept. of Horticulture and Landscape Architecture. He is the director of the annual and perennial trial gardens, along with the perennial demonstration garden at CSU. As a part of his duties, he holds a research and service/extension appointment. For these programs, his focus is on evaluation and species improvement to work towards increasing sustainable, environmentally conscious plant selections that are not only aesthetically pleasing, but also are more adapted (e.g., heat, drought, pest tolerances) for efficient and responsible production practices for the Colorado Horticulture Green Industry and the broader horticulture industry.
	Dr. Steve Newman – Emeritus Extension Specialist, Colorado State University Dr. Newman has worked in the commercial greenhouse and nursery industry as a university professional since 1985. His specialties: controlled environment agriculture, commercial greenhouse, greenhouse vegetables, ornamental horticulture, plant stress physiology, and drought.
	Jerrod Scott – Rain Bird, Denver, Colorado Jerrod has been with Rain Bird covering the Rocky Mountain region of Colorado, Wyoming, and Montana since 2016. His primary focus is contractor education and support. He spends many of his days doing job site visits doing design and irrigation troubleshooting as well as office trainings on IQ4, controllers, rotors, sprays, valves, hydraulics, and electrical troubleshooting.
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