



### **Fall Workshop**

Thursday, October 25<sup>th</sup>

8:00 am - Noon

Wheat Ridge Recreation Center, 4005 Kipling Street, Wheat Ridge, Colorado

## **Best Overwintering Practices for Spring Success**

sponsored by:



**AgRisk ADVISORS**

**8:00 – 8:30 Continental Breakfast and Beverages**

**8:30 – 9:15 Opening Session: The Impact of Climate Change on Winter Weather Patterns**  
Nolan Doesken, CSU Water Center and Colorado Climate Center, Retired Colorado State Climatologist (2017)

### **Nursery Track**

### **Greenhouse Track**

- 9:30 – 10:15 Overwintering Game Plan for Nurseries**  
**Dan Wise, CCNP, Fort Collins Wholesale Nursery**
- Strategies for staging plants
  - Materials to be purchased and when
  - Estimating protected space needs
  - Planning: when to begin fall put away and sticking to it
  - Order of operations - which plants to put away first?
  - The razor's edge - putting away during warm fall weather

- Overwintering Game Plan for Greenhouses**  
**Dan Gerace, CGG, Welby Gardens**
- Preparing the plants
  - Preparing the structures & equipment
  - Crop Placement
  - Winter plant care
  - Staging the warm up
  - Ramping up for spring

- 10:25 – 11:05 Practices That Minimize Winter Damage**  
**Ron Arpin, Little Valley Wholesale Nursery**
- Rodent control
  - Fungicide Applications
  - Structures and snow loads
  - Insulation materials
  - Production strategies
  - Protecting perennials
  - Winter water management
  - Physiology of freeze damage

- Saving Money Through Energy Efficiency**  
**Michael Turner, Colorado Energy Office**
- The CO Agricultural Energy Efficiency Program
  - Overcoming barriers to energy efficiency
  - How to evaluate efficiency options
  - The energy audit process
  - Assessing your energy use and costs
  - Determining your ROI

- 11:15 – 12:00 Herbicide Applications and Winter Irrigation**  
**Ron Arpin, Little Valley Wholesale Nursery**
- Herbicide application guidelines
  - Granular and liquid
  - Single vs. paired formulations
  - Water system design and availability
  - In ground and above ground considerations
  - Pest Control

- Preparing Environmental Controls for Winter**  
**Gary Dean, Wadsworth Control Systems**
- Equipment inside the greenhouse
  - Energy curtains, vent drives, irrigation, heating, fans
  - Control sensors inside & outside, set points
  - Heating strategies
  - Mechanical maintenance
  - Boiler override safety, mixing valves, generators

## Speaker Profiles

	<p><b>Ron Arpin - <i>Little Valley Wholesale Nursery, Brighton, Colorado</i></b></p> <p>Ron Arpin is the Nursery Manager at Little Valley Wholesale Nursery near Brighton Colorado, where he has worked for 35 years. His major responsibilities include ensuring: containers, potting media, liners, fertilizers, pesticides, and labor are available when needed. He also provides crop cultural guidance and oversight of production and irrigation facilities maintenance.</p>
	<p><b>Nolan Doesken - <i>CSU Water Center and Colorado Climate Center, Fort Collins, Colorado</i></b></p> <p>Nolan grew up in rural Illinois with a passion for weather. After completing degrees at the University of Michigan and the University of Illinois in the mid 1970s he headed west. He served as Assistant State Climatologist at Colorado State University from 1977 to 2006 closely tracking Colorado's fascinating climate. He was appointed State Climatologist in 2006 and served until he retired in 2017. He continues to keep his eyes on the skies and on the data from hundreds of weather stations. He continues to lead a project he started back in 1998 – known as CoCoRaHS (the Community Collaborative Rain, Hail and Snow Network) with thousands of volunteers tracking precipitation patterns across the U.S.</p>
	<p><b>Gary Dean - <i>Wadsworth Control Systems, Arvada, Colorado</i></b></p> <p>Gary is president of Wadsworth Control Systems, representing the third generation of the family owned company. Their product line includes Environmental Controls, Energy Curtain Systems and Drive Units for curtain and ventilation Systems. Gary has experience in mechanical and electrical design and developed the company's vent drive units and curtain systems for energy and photoperiod use. He has served on the National Greenhouse Manufacturers Association and Colorado Horticulture Research &amp; Education Foundation Boards of Directors. He's been involved in the industry for nearly forty years.</p>
	<p><b>Dan Gerace, CGG - <i>Welby Gardens, Denver, Colorado</i></b></p> <p>Dan is the Production Manager at Welby Gardens, home of the Hardy Boy Bedding Plants. Although, he grew up in the family greenhouse, this spring will mark his 20th year full time. He has a Master of Science in entomology from Colorado State University. After graduation he was able to develop an Integrated Pest Management program (IPM) but otherwise started at the bottom as an assistant grower and gradually moved up the ranks from section grower, head grower, grower manager and supervisor of the planting department. Currently as production manager, he over sees purchasing and planning of all production items.</p>
	<p><b>Michael Turner - <i>Colorado Energy Office, Denver, Colorado</i></b></p> <p>Michael Turner is the Director of Commercial and Industrial Energy Services at the Colorado Energy Office. He is responsible for designing, implementing, and communicating program and policy initiatives to ensure Colorado's commercial and industrial energy consumers have access to cost-effective energy efficiency and renewable energy. Michael has over 10 years of experience working on a broad range of renewable energy and sustainability initiatives, domestically and abroad. His work has focused on conducting economic impact assessments, policy analysis, and strategic program deployment on a state and national level. He holds an MA in Energy Policy from Columbia University.</p>
	<p><b>Dan Wise, CCNP - <i>Fort Collins Wholesale Nursery, Fort Collins, Colo.</i></b></p> <p>Dan is part owner and head of wholesale sales at Fort Collins Wholesale Nursery (FCWN). He is a 1995 graduate of Colorado State University with a major in Landscape Horticulture. Dan started with FCWN in 1996 and in 1999 he became a Colorado Certified Nursery Professional. In 2013 he was elected to the CNGA Board of Directors where he now serves as president. He enjoys hiking, camping, gardening, and spending time with his family.</p>