THE OREGON TR‘ALE

January 17-20, 2017
Riverhouse on the Deschutes
Bend, Oregon

Schedule of Events

**Tuesday, January 17 – Hop Research Council Winter Meeting**

11:00am – 5:00pm Convention Registration – Convention Center Lobby

8:00am – 12:00noon Hop Research Council Members Meeting (Cascade ABJ)

12:00pm – 1:30pm HRC Member Lunch (HRC Members Only) (Cascade DEF)

1:30pm - 4:00pm National Clean Plant Network for Hops Tier 2 Governing Board Meeting (Deschutes South)

4:00pm – 5:30pm Hop Research Council Single Hopped Research Beer Tasting (Cascade ABJ)

5:30pm – 7:00pm Hop Research Council Members and Researcher Reception (HRC Members and Researchers only) (Cascade DEF)

**Wednesday, January 18 – Research Reports Sessions and Hop Convention Kick-Off**

7:00am – 5:00pm Convention Registration – Convention Center Lobby

8:00am – 5:00pm Oral Hop History Interviews (Sisters B)

8:00am – 10:00 am Hop Research Council Research Reports – Session 1 (Cascade ABJ)

8:00 - 8:30am Madhu Kappagantu, Washington State University, “Management of Hop Diseases Caused by Viruses and Virus-Like Agents”

8:30 – 9:00am Piotr Kowalec/Martin Joseph, Washington State University “Management of Diseases Associated with Hop Stunt Viroid”

9:00 – 9:30am Doug Walsh for Rick Boydston, US Department of Agriculture “Hop Herbicide Trials”

9:30 – 10:00am Tom Shellhammer, Oregon State University, “Identifying brewing qualities that aid hop breeding: Examination of non-essential oil contributions to hop aroma in beer”

10:00 -10:30 am Coffee and refreshments break

10:30am – 12:00 pm Hop Research Council Research Reports – Session 1 (continued) (Cascade ABJ)

10:30 – 11:00 am James Barbour, University of Idaho, “Development of Hop Integrated Pest Management Strategies”

11:00 – 11:30 am Doug Walsh, Washington State University, “Integrated Pest Management of Arthropods on Hops”
11:30 – 12:00 pm  Mark Nelson, Washington State University
“Integrated Management of Hop Powdery and Downy Mildew”

12:00noon - 1:00pm  Research Luncheon (ticket required) (Cascade DEF)

1:00 – 5:00 pm  Brewery Tours – Buses to load at the convention center entrance. Pre-registration required. Check postings for load times.

1:15pm – 2:45pm  Hop Research Council Research Reports – Session 2 (Cascade ABJ)

1:15 – 1:45pm  David Gent, USDA-ARS, “Overwintering biology of the hop powdery mildew fungus: from focal infections to landscape-level spread”
1:45 – 2:00 pm  Anne Iskra, USDA-ARS, “The Multifaceted Impact of Nitrogen Fertilization”
2:00 - 2:15 pm  Sierra Wolfenbarger, USDA-ARS, “Cascade and Powdery Mildew: Why, Where, and What's Next”
2:15 – 2:45 pm  John Henning, U.S. Department of Agriculture
“Hop Genetics”
2:45 – 3:15 pm  Doug Walsh, Washington State University
“Hop Breeding for Public Variety Development”
3:15-3:45 pm  Hop Breeding Database

4:00pm – 5:30pm  Hop Research Council Budget Meeting (HRC Members Only) (Cascade C)

4:30pm – 6:00pm  Hop Growers of America Board of Directors Meeting (Deschutes S)

7:00pm- 10:00pm  61st Annual Hop Convention Welcome Reception (Cascade Ballroom)
Welcome to the Oregon TR’ALE!
Emcee – Blake Crosby

Thursday, January 19 – Hop Convention
7:00 am- 8:15 am  Trade Show set up
7:00am – 11:00 am  Convention Registration – Convention Center Lobby

8:00am – 9:30am  US Hop Industry Plant Protection Committee Meeting (Deschutes South)

8:30am – 5:00pm  Trade Show open

8:00 am – 5:00 pm  Oral Hop History Interviews (Sisters B)
Pre-registration required

9:15am – 3:45pm  Optional Off-site Spouse Event
Load buses at the Riverhouse Hotel
Transportation to Bend’s Downtown Shopping District, Lunch in Deschutes Brewery’s Mountain Room, and create a hop painting with beer artist Karen Eland of Sip n’ Dip Beer Painting

10:00am – 12:00 pm  Hop Growers of America Annual Business Meeting (Cascade Ballroom)

12:00 – 12:30 pm  TR’ALE Hunt in Exhibit Hall with Vendors

12:30 – 2:00pm  Kickoff Luncheon –“Impacts of the Evolving Beer Industry on the Hop Market” (Cascade Ballroom)
Emcee: Anthony Weathers, OHGA President
• Bill Dempsey, Molson Coors
  Vice President, Global Procurement (CPO)
• Donnell Berg, MillerCoors
  US Regional Director, Brewing Materials Procurement

2:00-2:30 pm  TR’ALE Hunt in Exhibit Hall with Vendors

2:00pm – 5:00pm  Brewers Association Meeting (Sisters A)
2:30pm - 5:30 pm  Breakout Concurrent Sessions

2:30 - 5:30 pm  Session A - Precision Agriculture  (Cascade Ballroom)
Moderator: Bryan Thoet, HGA Board Member

“New Technologies in Precision Agriculture”
• Jim Gerig, Pape Integrated Solutions Consultant
“Soil Moisture Monitoring”
• Verlyn Burgers, Hortau
“Control and Field Monitoring”
• Mike Fink, MeasureTek
“Multi-spectral Camera Systems”
• Bill Briskey, TacAero with Andrew Stickle, Perrault Farms, Inc.

2:30 – 5:30 pm  Session B - Hop Production for the New or Small Grower  (Lower Level Room)
Moderator: Andrew Bloo, Cascade Hop Farm – Tumalo, Oregon

“Hop Cost of Production Study”
• Rob Sirrine, Michigan State University
• Dan Wiesen, Empire Hops
“Niche Marketing Panel”
• Eric March – San Diego, California
• Pam Bouma Miller - Greenville, Michigan
• Mark Maikkula - Boonesborough, Kentuc
“Hop Cultivation & Agronomy”
• Dan Wiesen, Empire Hops

6:00pm – 7:00pm  Load tour buses at Convention Center for transportation to The Oregon TR’ALE @ Crux Fermentation Project Production Facility
63065 NE 18th St. Bend, OR 97701

7:00pm - 9:00pm  The Oregon TR’ALE Reception
Begin your adventure on the Oregon TR’ALE by picking up our commemorative taster glass and sampling the beer made by more than a dozen of Central Oregon’s finest craft breweries. Menu prepared by local favorite, Tate & Tate. Each attendee will be presented with a bottle of the commemorative, collaboration brew: The Oregon TR’ALE IPA. The event will include the announcement of the winner of the Hop Quality Group’s ‘Cascade Cup’.

Friday, January 20 – Hop Convention
7:30 am – 9:00am  Best Practices Advisory Committee  (Deschutes South)

8:30am – 5:00pm  Trade Show open

9:00am – 12:00noon  Breakout Concurrent Sessions

9:00 – 12:00 noon  Concurrent Session A – Hop History  (Cascade Ballroom)
Moderator: Blake Crosby
“The history of public variety development in the United States”
• Dr Al Haunold, retired USDA-ARS
“Collecting Hop and Brewing History”

• Tiah Edmunson-Morton, Oregon Hops and Brewing Archives
“Hop Growing History Panel”
• Steve Carpenter, Carpenter Ranches – Washington
• Mike Gooding, Gooding Farms – Idaho
• Patrick Leavy, Leavy Farm – Oregon
• Dan Wiesen, Empire Hops - Michigan
9:00 – 12:00 noon  Concurrent Session B - Hop Production and Sustainability (Lower Level Room)

Moderator: Kevin Riel
“Nutritional Requirements to Maintain 15 Bale Cascades”
• John Taberna, Western Laboratories
“Best Practices and Sustainability”
• Ann George, Hop Growers of America
“Hop Drying Technology”
• Mike Fink, MeasureTek; Wes Stickney, Kollmar, Inc.

12:00-12:30 pm  Exhibitor TR’ALE in Vendor Hall
12:30 - Completed TR’ALE Hunt Passports due to the registration desk!

12:30pm – 2:00pm  Luncheon Keynote Luncheon – “Oregon Brewery Blazing the Trail East”
(Cascade Ballroom)
• Gary Fish, Founder Deschutes Brewery
Emcee: Gayle Goschie, Oregon Hop Commission
Exhibitor TR’ALE prizes drawn at the conclusion of lunch

2:00pm - 2:30 pm  Break – TR’ALE winners collect prizes

2:30pm - 5:00pm  General Session (Cascade Ballroom)
Moderator: Fred Geschwill, Oregon Hop Commission

2:30 – 3:00pm  Hop and Beer Residue Fate Studies
Doug Walsh, Washington State University

3:00 – 5:00pm  Panel on Brewing Industry Insights and Analysis
• Chris Swersey, Brewers Association
• Bart Watson, Brewers Association
• Shane Kunkle, Lupulin Exchange
• Chris Shepard, Beer Marketer’s Insight

5:00pm  Convention adjourns