



2017 8th Annual Hop Conference AGENDA

9:00 – 9:15 a.m. – Welcome!

9:15 – 10:00 a.m. – **Jaki Brophy** of Hop Growers of America, will talk about programs and membership for small growers. Her primary focus is to promote U.S.-grown hops to the world through trade shows, promotional programs, and distributing information to media, and general public.

10:00 – 10:45 a.m. – Quebec Hop Agronomist **Julien Venne** will share his experiences in growing hops in the northeast and highlight best practices needed to produce a high-yielding crop.

10:45 – 11:00 a.m. – Break, visit exhibitor tables and network.

11:00 – 11:45 a.m. – **David Gent** of USDA-ARS, will present on a critically important aspect of successfully producing hops – disease management. He will give current information on managing downy mildew and powdery mildew, as well as highlight other emerging diseases like *Fusarium* and *Alternaria*.

11:45 – 12:15 p.m. – **Bob Grim** a brewer at Foam Brewery in Burlington will share his experiences brewing with local ingredients. We hope to have one of the beers that they brewed with UVM hops and barley available to sample at lunch.

12:15 – 1:00 p.m. – Lunch

After lunch, you can choose to attend beginning or advanced hop sessions, held concurrently.

See more on next page

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Advanced Hop Sessions – Emerald Ball Room

1:00 – 1:45 p.m. – **Rich Michaels**, Quality Innovation Manager at Saranac Brewery, will talk about the characteristics of a beer brewed with local hops and selling hops to brewers.

1:45 – 2:15 p.m. - **Josh Havill**, graduate student at Univ. of Minnesota, will talk about his experiences working with wild hop germplasm and advances he has made in finding downy mildew resistance.

2:15 – 2:30 p.m. – Break, visit exhibitor tables and network.

2:30 – 3:15 p.m. – **Tim Kostelecky**, of John I. Haas, will focus his presentation on hop pellet quality, the need to minimize oxidation, and brewers' expectations. He will also touch on important parameters when pelletizing hops, such as moisture content, hop density, particle size, temperature, etc.

3:15 – 4:30 p.m. – Research updates from **Dr. Heather Darby** from UVM Extension Hop Program, **Steve Miller** from the Cornell Hops Programs, and **Megan Muehlbauer** from Rutgers University.

Beginning Hop Sessions – Diamond Ball Room

1:00 – 1:25 p.m. – **Cost of Production** – **Julian Post**, UVM Extension Hop Program, will share cost of production to help prospective growers consider the financial side of hop production.

1:30 – 1:50 p.m. – **Hop Yard Building** – **Roger Rainville**, owner of Borderview Farm, will share his experiences with developing and building a hop yard.

1:55 – 2:15 p.m. – **Hop Irrigation** – **Trevor Hardy**, Brookdale Fruit Farm, Inc., will share information on irrigation systems for hop yards and using fabric for weed control.

2:15 – 2:30 p.m. – Break, visit exhibitor tables and network.

2:30 – 3:15 p.m. – **Starting a commercial hop yard in Vermont** – **Kathleen and Kelly Norris**, Homestead Hops, will share their personal experience of starting a commercial hop yard in Starksboro.

3:15 – 3:45 p.m. – **Basics of pest ID and IPM** - **Scott Lewins** and **Juliya Cubins**, UVM and **Lily Calderwood**, Cornell University will cover major hop yard pests and the basics of integrated pest management strategies.

3:45 – 4:30 p.m. – **Harvest and post-harvest processing** – will detail equipment option for harvesting, drying and baling hops, and provide information on hop pelletizing services.



Speaker Bios

Jaki Brophy - Jaki is the Communications Director for the Washington Hop Commission and Hop Growers of America. Her primary focus is to promote U.S.-grown hops to the world. She also works with the Small Grower Council and focuses on smaller farms across the U.S. through the deployment of web-based services and educational materials, and by providing insight into niche opportunities.

Lily Calderwood – Lily has earned her PhD at UVM and currently works at Cornell University in Agriculture Plant Science. Previously, Lily worked with the UVM NW Crops & Soils Hop Program.

Julija Cubins – Julija started working with hops in 2013 and graduated from the University of Vermont with a degree in Ecological Agriculture in December 2015. After graduation, she began working for the UVM Northwest Crop and Soil team on hops, corn, and soybean projects.

Heather Darby – Heather Darby is an agronomy and soil specialist with UVM Extension where she conducts outreach and on-farm research on hops, organic dairy cropping systems including grains, annual forages, cover crops, and soil fertility. Her goal is to provide sound research based agronomic information for the farmers of Vermont.

David Gent - David is a Research Plant Pathologist with USDA-ARS in Corvallis, Oregon. His current research is focused on the epidemiology, population biology, and management of powdery mildew and downy mildew diseases on hop and other crops.

Bob Grim - started his career in professional brewing while in college at a small brewpub in NY. From there he got hired at Switchback and worked with Todd Haire to create a pilot program and develop new beers. Todd Haire, Sam Keane and Bob left Switchback to open Foam Brewers on the Burlington Waterfront in the Spring of 2016.

Trevor Hardy – Trevor is the Business Manager at Brookdale Fruit Farm in Hollis, NH. In addition to produce at their Farm Stand, Brookdale Fruit Farm has plants and supplies, including irrigation and row supplies. Brookdale Fruit Farm was founded in 1847 and is currently celebrating 7 generations of family farming.

Josh Havill - Josh is a graduate student in the Department of Plant Pathology at the University of Minnesota in the laboratory of Dr. Angela Orshinsky. His thesis work involves identifying integrated approaches to disease management by exploring both chemical and cultural treatments that may be effective in controlling hop downy mildew and other common hop diseases. Additionally, Josh is exploring indigenous Midwestern hops as a novel source of genetic resistance to hop downy mildew.

Speaker Bios, continued

Tim Kostelecky - Tim was with Coors Brewing Company in Golden Colorado as a brewing chemist for 18 years, and his enthusiasm for hops led him to join John I. Haas, Inc. in Yakima as Technical Services Manager in 1996. Tim works with brewers in the use of hops and hop products, and provides education and training through various means including the Barth-Haas Hops Academy program.

Scott Lewins – Scott is a faculty member at Saint Michael’s College, as well as having recently received a Research Affiliate appointment with Plant and Soil Sciences Department at UVM. Scott also works with NWCS on hop entomology throughout the summer months.

Rich Michaels - Rich is the Quality and Innovation Manager at the F.X. Matt Brewing Co. in Utica, NY. Rich teaches brewing at Schenectady Community College and currently serves as District Technical Chair and Board of Governor’s Representative for the Master Brewer’s Association of the Americas.

Steve Miller - Steve is New York’s first hops specialist. In the last five years, Steve has worked exclusively with the hop and brewing industries to develop information that growers need to produce a quality crop.

Megan Muehlbauer - Megan is a graduate student at Rutgers University in the Plant Biology program. She has helped to reinvigorate hops research at Rutgers for the past two years.

Kathleen and Kelly Norris – Kelly is a 3rd generation maple producer, taking over the family sugar works in 1992 and growing the woods from 2500 to their present total of 19,000. They started the hop yard in 2014 to compliment the sugaring without interfering. They currently have just over 2 acres and would like to expand to around 5 acres over the next couple of years.

Julian Post – Julian joined our UVM team in 2014, helping to conduct our field research on hops, grains, and oilseeds. He is a University of Vermont graduate where he earned a BS in agroecology and sustainable agriculture.

Roger Rainville – Borderview Farm is a private facility located on the Canadian border in Alburgh, VT. Roger and Claire Rainville own and operate the 235-acre farm which, aside from over 2,000 research plots, is also a dairy replacement operation and biofuel facility.

Julien Venne - Julien is an agronomist serving as an independent consultant for hop growers in Eastern Canada. Since 2009, he has also been involved in various research projects touching hops production, transformation and commercialization.



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