

41ST Barley Improvement Conference



Sponsored by:

American Malting Barley Association
Idaho Barley Commission
Minnesota Barley Research & Promotion Council
Montana Grain Growers Association
Montana Wheat & Barley Committee
National Barley Growers Association
North Dakota Barley Council
Washington Grain Commission

Hacienda Hotel
San Diego, California
January 12-13, 2017

41ST Barley Improvement Conference

THURSDAY, JANUARY 12, 2017

1:30 - 5:00 PM Barley Researcher & AMBA Member Meeting
- *La Palma Room*

7:00 - 10:00 PM Hospitality & Reception - *Patio, Tequila Factory Restaurant*
Meeting Material Pickup

FRIDAY, JANUARY 13, 2017 – *La Palma Room*

7:30 AM Meeting Material Pickup, Continental Breakfast

8:30 - Welcome & Overview
Mike Davis, American Malting Barley Association

8:45 - Research and development of winter malt barley varieties for the eastern US
Nicholas Meier, Virginia Tech

9:15 - Opportunities and challenges associated with reintroducing malting barley in non-traditional growing regions
Ashley McFarland, Michigan State University

9:45 - Minnesota two-row barley breeding - three sheets to the wind
Kevin Smith, University of Minnesota

10:15 - Break

10:30 - Stable, high quality malt from low moisture environments: Can it be done?
Jamie Sherman, Montana State University

11:00 - Two-row facultative/winter malting barley development: full speed ahead and damn the torpedoes
Pat Hayes, Oregon State University

11:30 - Barley pathogens in the Central Plains
Kirk Broders, Colorado State University

12:00 PM LUNCH - *El Pueblo Room*

1:15 - Necrotrophic diseases of barley in the Upper Midwest: We can win for losing
Robert Brueggeman, North Dakota State University

1:45 - Identification and genomic mapping of resistance to bacterial leaf streak
Zhaohui Liu, North Dakota State University

2:15 - Into the Wild: Exploiting *Hordeum vulgare* spp. *spontaneum* for barley improvement
Brian Steffenson, University of Minnesota

2:45 - Break

3:00 - The International Barley Hub
Robbie Waugh, James Hutton Institute, Scotland

3:30 - Impact of short-term abiotic stresses on barley and malt quality
Ramamurthy Mahalingam, USDA-ARS, Cereal Crops Research Unit, Madison, Wisconsin

4:00 - Gene expression screening of mutagenized barley for malting quality candidate genes
Kathy Klos, USDA-ARS, Small Grains & Potato Germplasm Research, Aberdeen, Idaho

6:00 PM HOSPITALITY – *El Pueblo Room*

7:00 PM BANQUET – *El Pueblo Room*

A STORY OF BEER BUBBLES & THE BARLEY MALT IMPERATIVE
DAVID RYDER
Retired Vice President
Brewing, Research, Innovation & Quality
MillerCoors