



**American
Malting
Barley
Association**

FUNDED RESEARCH PROJECTS

July 1, 2016 to June 30, 2017

EASTERN VARIETY DEVELOPMENT & RESEARCH

Malt Barley Varietal Evaluation for the Northeast

Heather Darby, University of Vermont, St. Albans

Development of Two and Six-rowed Winter Malt Barley Varieties for the Eastern U.S.

Carl Griffey, Virginia Tech, Blacksburg

Development of Winter Malting Barley for North Carolina and Adjoining States

David Marshall, USDA-ARS, Raleigh, North Carolina

MIDWEST VARIETY DEVELOPMENT & RESEARCH

Barley Improvement at University of Minnesota

Kevin Smith, University of Minnesota, St. Paul

Wisconsin Spring & Winter Malting Barley Production

Carl Duley & Jerry Clark, University of Wisconsin, Alma & Altoona

Management and Epidemiology of Barley Diseases

Ruth Dill-Macky, University of Minnesota, St. Paul

Breeding and Genetics of Two- and Six-rowed Malting Barley

Richard Horsley, North Dakota State University, Fargo

Managing Diseases that Impact Malting Barley

Robert Brueggeman, North Dakota State University, Fargo

Supporting the Michigan Malting Barley Industry through Collaborative Research Ventures

Christian Kapp & Ashley McFarland, Michigan State University, Chatham

Winter & Spring Malt Barley Assessment to Support the Growing Midwest Brewing and Malting Industry

Mohsen Mohammadi, Purdue University, West Lafayette

WESTERN VARIETY DEVELOPMENT & RESEARCH

Pyramiding Genes for Disease Resistance in Spring Malting Barley

Lynn Gallagher, University of California, Davis

Breeding Malting Barleys for the Intermountain West: Two- and Six-rowed Spring and Winter Cultivar and Germplasm Development

Gongshe Hu, USDA-ARS, Aberdeen, Idaho

Barley Breeding for Montana: Ensuring a Stable Malt Supply

Jamie Sherman, Montana State University, Bozeman

Accelerated Development of Two-row Facultative/Winter Malting Barley

Patrick Hayes, Oregon State University, Corvallis

Aphid Resistant Malting Barley Germplasm Enhancement & Evaluation

Dolores Mornhinweg, USDA-ARS, Stillwater, Oklahoma

Genome Wide Association Study for Malting Quality Traits in WSU Barley

Kevin Murphy, Washington State University, Pullman

Evaluation of Barley CAP lines for Malting Barley in Texas

Clark Neely, Texas A&M University, College Station

Investigations into the Ecology and Epidemiology of Barley Pathogens in the Central Plains

Kirk Broders, Colorado State University, Ft. Collins

NATIONAL & OTHER RESEARCH

Study of the Malting Quality of New Barley Selections

Stanley Duke, University of Wisconsin, & Chris Martens, ARS, Madison, Wisconsin

Reactive Oxygen Species Profiling During Barley Seed Germination

Ramamurthy Mahalingam, USDA-ARS Cereal Crops Research Unit, Madison, WI

Investigations on Barley Diseases and Their Control, and Development of Malting Barley Germplasm with Low Temperature Tolerance

Brian Steffenson, University of Minnesota, St. Paul

Doubled Haploids & Foundational Winter Malting Barley Germplasm: An Expanding resource for U.S. Breeders of Facultative/Winter Two-row Malting Barley

Patrick Hayes, Oregon State University, Corvallis

Winterhardy Malting Barley Germplasm Development

Stephen Baenziger, University of Nebraska, Lincoln

Ionomics and Proteomics to Evaluate Malting Quality in 2-Row Barley

Adam Heuberger & Jessica Prenni, Colorado State University, Ft. Collins

Network-Based Identification of Genes Influencing Malting Quality Traits of Barley

Kathy Klos, USDA-ARS, National Small Grains Germplasm Research Facility, Aberdeen, Idaho

Genetic Mapping of Resistance to Bacterial Leaf Streak in Malting Barley

Zhaohui Liu, North Dakota State University, Fargo

Genetic Analyses of Winter Hardiness & Malting Quality and Two-Row Winter Variety Development

Erick Stockinger, Ohio State University, Wooster