



American
Malting
Barley
Association

FUNDED RESEARCH PROJECTS

July 1, 2017 to June 30, 2018

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

Identifying Promising Barley Cultivars for the Great Lakes Region through Collaborative Research

Christian Kapp & Ashley McFarland, Michigan State University, Chatham

WESTERN VARIETY DEVELOPMENT & RESEARCH

Development of Two-row Spring Malting Barley

Isabel Alicia del Blanco, University of California, Davis

Malting Barley 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 Varieties

Patrick Hayes, Oregon State University, Corvallis

Aphid Resistant Malting Barley Germplasm Enhancement & Evaluation

Dolores Mornhinweg, USDA-ARS, Stillwater, Oklahoma

Marker-Assisted Selection for Malting Quality Traits in WSU Barley Using Genotyping by Multiplexing Amplicon Sequencing (GBMAS)

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

Sequencing and Genotyping of the *HvPHS1* Gene and its Association with Preharvest Sprouting in Barley

Jason Walling, 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

Development of a High-Throughput Phenotyping System for Assessing Disease Severity in Barley

Brian Steffenson, University of Minnesota, St. Paul

Winterhardy 2-Row Malting Barley Cultivar Development for the Great Plains

Stephen Baenziger, University of Nebraska, Lincoln

Proteomics to Evaluate Malting Quality in 2-Row Barley

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

Genetic Mapping of Resistance to Bacterial Leaf Streak in Malting Barley

Zhaohui Liu, North Dakota State University, Fargo

Winter growth habit recombinant inbred line populations for breeding winter-hardy malting barley and for genetic analyses of these traits

Erick Stockinger, Ohio State University, Wooster

Breeding Methods for Resistance to Pre-germination

Mark Sorrells, Cornell University, Ithaca, NY