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