



Viticulture, enology and marketing for cold-hardy grapes



Who's Who of the Northern Grapes Project

Connecticut Agricultural Experiment Station

Bill Nail

Assistant Scientist, Department of Forestry and Horticulture

Bill is a scientist who conducts applied viticulture research in support of the winegrape industry in Connecticut and greater New England. Current studies include cultivar selection, rootstocks, training methods, and graft union height. His contribution to the Northern Grape Project is to examine the effects of training system, spacing, and pruning on the productivity and fruit quality of northern winegrapes.



Cornell University

Chris Gerling

Extension Associate, Department of Food Science

Chris Gerling is an Extension Associate in the Food Science Department of Cornell University. He works with the New York wine industry to create educational programs that support the growth and improved quality of premium wines throughout the state. His role in the Northern Grapes project will be to assist in outreach.



Miguel I. Gómez

Assistant Professor, Charles H. Dyson School of Applied Economics and Management

Miguel is an economist who specializes in marketing and food distribution, pricing and price analysis, and quantitative methods. His contribution to the Northern Grapes Project is the identification of marketing strategies for the success of tasting rooms and to examine the benefits of the development of grape-wine clusters for the local economies where these clusters are located.



Kevin Iungerman

Extension Associate, Cooperative Extension

Kevin has been involved with commercial grower outreach and on-farm cold climate IPM, apple production, and wine grape cultivar evaluation research in the Champlain and Upper Hudson regions of Northeastern NY for nearly 20 years. Projects have included crop management, fruit quality and storage improvement, rootstock and production systems evaluation, IPM and predatory mite introduction, real-time integration of weather data and pest/disease predictive systems.



Anna Katharine Mansfield

Assistant Professor, Department of Food Science

Anna Katharine is an assistant professor of enology at Cornell's NYSAES. She first worked in the wine industry in North Carolina's Yadkin Valley and received graduate degrees at Virginia Tech and the University of Minnesota. Anna Katharine currently focuses her efforts in aiding small regional wineries through enology extension, wine sensory evaluation, and defining regional identity in developing winegrowing areas. She is the leader of the enology team for the Northern Grapes Project.





Tim Martinson

Senior Extension Associate, Department of Horticulture

Tim has worked in viticultural research and extension at Cornell University since receiving his PhD in Entomology in 1990. He is currently senior extension associate with the department of horticulture at Cornell. As project director, Tim will coordinate all project activities and will be conducting research on crop load management and training systems in commercial vineyards in Northern New York.

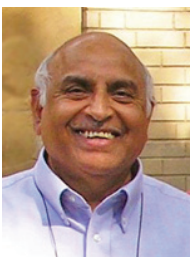


Chrislyn Particka

Extension Support Specialist, Department of Horticulture

Chrislyn is the Northern Grapes Project Manager, and will handle the day-to-day organization and operations of the project, including producing webinars, newsletters, and the project website. She also works with the National Clean Plant Network on extension and outreach activities. Chrislyn has an extensive background in small fruit horticulture, and is looking forward to learning more about viticulture and enology during the course of the Northern Grapes Project.

Iowa State University



Murli Dharmadhikari

Director and Extension Enologist, Midwest Grape and Wine Industry Institute

Murli's experience in the Midwest grape and wine industry spans 35 years. He has served as a commercial winemaker, enology advisor, extension enologist, wine researcher, educator, judge, VESTA project PI, and president of the ASEV/ES. In his current role as Director of the Midwest Grape and Wine Industry Institute, Murli will help to benefit the Northern Grapes Project through research on organic acids, phenolics and flavor profiles of cold hardy grapes and development of a wine quality certification program.



Paul Domoto

Professor, Department of Horticulture

Paul currently conducts research in viticulture and pomology and serves as the state-wide extension specialist for all fruit crops. On the Northern Grapes Project, Paul serves at the team leader of the viticulture studies team. He will be evaluating cold climate variety performance; conducting on-farm research and demonstration studies on training systems, canopy management and crop load management; and collaborating on the vineyard nutrition studies.



Jacek Koziel

Associate Professor, Department of Agricultural and Biosystems Engineering

Jacek is coordinating the chemical and sensory analyses at Iowa State University for the Northern Grapes Project. Jacek's lab uses multidimensional gas chromatography and mass spectrometry system combined with simultaneous aroma analysis by trained panelists. His lab is processing grape and wine aroma volatiles for Iowa, South Dakota, and Minnesota.



Paul Lasley

Professor, Department of Sociology

Paul is Chair of the Department of Sociology and Department of Anthropology. His work focuses on farm and rural issues at the state and national levels. His work examines the consequences of social and economic changes on the fabric of society by examining agricultural changes on rural communities and the need for rural development. As part of the Northern Grapes Project, Paul leads the Project Evaluation Team and is a member of the Consumers/Marketing Team.



Gail Nonnecke

Professor, Department of Horticulture

Gail teaches courses that include viticulture topics and she mentors undergraduate and graduate students learning about grape physiology and sustainable production and management. Over the past 30 years, her research has included investigations to create sustainable viticulture production and management systems and grape physiology topics. Gail will complete research on grapevine crop load, shoot management, and training systems and mentor students working in the Northern Grape Project.



Mike White

Viticulture Specialist, ISU Extension and Outreach

Mike White is a Viticulture Specialist for ISU Extension & Outreach and is a team member of the Midwest Grape & Wine Industry Institute. He provides technical assistance and educational training to both vineyards and wineries in Iowa and neighboring states and has been working with the cold climate winegrape industry since 2000. His role in the Northern Grapes Project will deal primarily with educational extension and communications with the project.



Devin Maurer

Research Associate, Department of Agricultural and Biosystems Engineering

Devin is an analytical chemist managing the chemical and sensory analyses at Iowa State for the Northern Grapes Project. He is developing analytical methods for simultaneous chemical and aroma analyses of grape and wine aroma volatiles.

Michigan State University



Don Holecek

Professor Emeritus, Department of Community, Agriculture, Recreation, and Resource Studies

Don's research has spanned a wide range of topics including boating, camping, agriculture tourism (including wines), climate change, and other tourism related topics. His focus in the Northern Grapes Project is on consumers with the goal of establishing their awareness and perceptions of and preferences for wines made from cold hardy grapes. Two surveys are planned to obtain the desired information with the goal of providing wineries with information that will help them market their wines.



Dan McCole

Assistant Professor, Department of Community, Agriculture, Recreation, and Resource Studies

Dan teaches university courses related to the management of tourism and leisure service organizations. His research helps organizations and communities to facilitate recreational activities in a way that is sustainable from economic, environmental, and socio-cultural perspectives. As part of the Northern Grapes project, he will work to identify the best practices for collaboration in the wine industry. He will also support the effort to profile tasting room visitors and potential visitors.



Paolo Sabbatini

Assistant Professor, Department of Horticulture

Paolo joined the Department of Horticulture at Michigan State in 2007 as Assistant Professor in viticulture with research and extension responsibilities. His research goal is to solve whole plant problems that will optimize vine productivity and quality. He has responsibilities for evaluation of wine grape cultivars and several ongoing research projects on vine balance, canopy management and bunch rot in wine grapes. Paolo is a member of the Vineyard Studies and Extension/Outreach teams in the Northern Grapes Project.

Mississippi State University



Eric Stafne

Assistant Extension Professor, Department of Plant and Soil Sciences

Eric is currently an assistant extension professor specializing in fruit crops at Mississippi State University. He previously spent 6 years at Oklahoma State University working with the growing grape and wine industry. Eric is the project director of the national eXtension Grape Community of Practice. His contribution to the Northern Grapes Project is to facilitate the delivery of extension materials and research results through eXtension.org/grapes and eViticulture.org websites.

North Dakota State University



Harlene Hatterman-Valenti

Associate Professor, Department of Plant Sciences

Harlene is a high-value crops specialist who oversees the grape germplasm enhancement project at NDSU and conducts research and outreach programs on cold-hardy grapes. Her emphasis is weed science, but she has conducted numerous production related field trials. Harlene's work with the Northern Grape Project focuses on vineyard management practices.

South Dakota State University



Rhoda Burrows

Extension Specialist and Associate Professor, Department of Horticulture, Forestry, Landscape and Parks

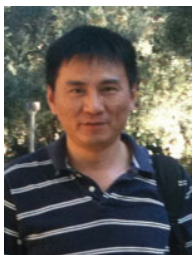
Rhoda is a horticulture extension specialist, working with both commercial fruit and vegetable growers and homeowners throughout the state. Her role in the project will be to help facilitate on-farm research, particularly in the area of mineral nutrition and soil management. She will also help convey the viticulture knowledge that is gained through the Northern Grapes Project to growers and educators throughout the state.



Anne Fennell

Professor, Department of Horticulture, Forestry, Landscape and Parks

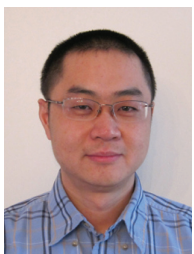
Anne has worked with the physiology, cold hardiness and functional genomic analyses of cold climate grapevines since 1992. Her role in the Northern Grapes Project will be to conduct a molecular analysis of the berry development and ripening process. Anne leads the fruit genomic characterization team that will establish baseline gene, metabolite, volatile aroma and sensory information to identify characteristics that can be used to develop biomarkers for fruit ripening in the major cold climate cultivars.



Dong He

Research Assistant Professor, Department of Mathematics and Statistics

Dong He is currently a Research Assistant Professor of Mathematics and Statistics at SDSU. His research interests focus on bioinformatics and computational chemistry. He has around 20 years research and industrial working experiences in biology, chemistry and pharmaceutical fields. He holds chemistry, biology and computer science degrees. Dong is a member of the Fruit Composition and Genetics Team.



Jun Ye

Assistant Professor, Department of Mathematics and Statistics

Jun Ye is an Assistant Professor of Biostatistics at South Dakota State University and is also a statistical consultant at SDSU Agriculture Experimental Station. In the Northern Grape project, he will provide data integration and statistical analysis associated with cold climate grape and wine industry research and serve on the Fruit Composition/Genetics Team.

University of Illinois



Bill Shoemaker

Department of Crop Sciences

Bill conducts research and outreach programs in cold climate viticulture, serving the northern half of the state out of the St Charles Horticulture Research Center. He works with commercial grape growers in northern Illinois to address production challenges, vineyard health and fruit quality in cold climate wine grapes. Bill has served as a Sr. Research Specialist for the University of Illinois since 1982. His work with the Northern Grape Project focuses on cold climate wine grape variety performance and selection.

University of Massachusetts



Sonia Schloemann

Extension Fruit Specialist, Department of Plant, Soil, and Insect Sciences

Sonia is an Extension Fruit Specialist working mainly with small fruits, including grapes. She has worked extensively with the New England wine grape growing industry for the last 15 years. For this project she will be involved in cold climate wine grape variety performance and Extension dissemination of project results.

University of Minnesota



Katie Cook

Research Fellow, Department of Horticultural Science

Katie is the Enology Project Leader for the University of Minnesota. Her appointment is split 60/40 between research and outreach activities in the state. Her main research is focused on enological evaluation of potential new grape cultivars developed through the U of M's grape breeding program. As part of the Northern Grapes Project, Katie will be involved in replicated regional optimization trials of cold-hardy varieties, focusing on biological deacidification methods as well as yeast selection.



Bill Gartner

Professor, Department of Applied Economics

Bill's research interests are branding, image, economic impact, and tourism development. He has worked extensively in Asia, Europe, Latin America, and Africa. He has conducted economic impact and baseline monitoring studies for the grape and wine industry in Minnesota and is the Principal Investigator on Economic Impact and Baseline Monitoring, Policy Review, and Branding studies for the Northern Grapes Project.



Adrian Hegeman

Assistant Professor, Departments of Horticultural Science and Plant Biology

Adrian is an Assistant Professor in the Microbial and Plant Genomics Institute at the University of Minnesota. He studies plant metabolomics and the use of stable isotopes and mass spectrometry for methodological innovations. He is interested in comparing the metabolism of *Vitis vinifera* and *V. riparia* hybrids to understand the molecular basis for differences in grape berry color and flavor/aroma properties as well as physiological traits such as stress tolerance.



Peter Hemstad

Scientist-Grape Breeding, Department of Horticultural Science

Peter has been the grape breeder at the University of Minnesota since 1985 and was very involved in the development of 'Frontenac', 'Frontenac Gris', 'La Crescent' and 'Marquette', which are now the foundation of the northern grape industry. Peter is also co-owner of Saint Croix Vineyards which was established in 1992 and has won numerous awards for its wines produced from cold hardy grapes. In addition, Peter is the education chair for the Minnesota Grape Growers Association's Cold Climate Conference in 2012.



Jim Luby

Professor, Department of Horticultural Science

Jim directs breeding programs in grapes, apples and other fruit crops at the University of Minnesota. He teaches courses in viticulture, fruit production and plant breeding. In the Northern Grapes Project, he is co-director and also a member of the fruit composition team that seeks to determine how changes in the course of fruit over ripening affect wine quality in order to improve management practices and improve selection in breeding.



Carl Rosen

Professor, Department of Horticultural Science

Carl is a soil scientist specializing in soil fertility and nutrient management for horticultural crops. He has extensive experience in soil and tissue test interpretation and also co-teaches a soil fertility course for undergraduate students. For the Northern Grapes Project he will lead an on-farm effort in five states to determine optimal mineral nutrition and soil management practices for cold climate cultivars.



Zata Vickers

Professor, Department of Food Science and Nutrition

Zata has a 50% teaching/50% research appointment and oversees the sensory center at University of Minnesota, which conducts sensory tests for people inside and outside the university. Her role in the project will be to plan and oversee the sensory testing aspects of juice and wine produced in Minnesota, including applying for IRB approval, conducting the sensory tests, analyzing the data and preparing written documentation of the methods and results.

University of Nebraska



Paul Read

Professor, Department of Agronomy and Horticulture

Paul joined the Department of Horticulture at University of Nebraska as Head in January 1987 and resumed the role of professor of Horticulture and Viticulture in July 1997. His current research thrusts are in tissue culture for horticulture crop improvement and on vineyard management issues in support of Nebraska's developing grape and wine industry. He is a member of the Vineyard Studies and Extension/ Outreach Teams in the Northern Grapes Project.

University of Vermont



Lorraine Berkett

Extension Professor, Department of Plant and Soil Science

Lorraine conducts research and outreach programs in cold climate grape production. Her education and experience is in plant pathology and entomology and she has been involved in IPM for many years. Her role in the Northern Grapes Project will include evaluating cultivar performance and participating in the development of disease management strategies that take into account relative disease resistance, copper and sulfur sensitivity, and the unique prevalence of Anthracnose in cold climate cultivars.

University of Wisconsin



Rebecca Harbut

Assistant Professor, Department of Horticulture

Rebecca has a research and extension program in fruit crops focused on fruit quality and production practices. She works closely with commercial fruit producers in across the state. Her role in the Northern Grapes Project will be to conduct research on crop load management and training systems.



Patty McManus

Extension Professor, Department of Plant Pathology

Patty has been a professor at UW-Madison since 1995 where her work focuses on the etiology and integrated management of diseases of fruit crops important to the economy of Wisconsin. Specific interests include strategies to reduce the risk and delay the onset of pesticide resistance, and effects of pathogens and pesticides on plant anatomy and physiology. Patty is a member of the vineyard studies team on the Northern Grapes Project.