



**Washington State Grape and Wine Research Program
July 2020 - June 2021 Projects**

WSU Principal Investigator	Project Title	New or Continuing	Project Completion	Funded Amount
Cheeke, Tanya	Effect of Mycorrhizal Inoculants on Grapevine Growth and Nutrient	C	2021	\$12,848
Collins, Tom	Assessment of Smoke Taint Risk and Mitigation of Smoke Affected Wines	C	2022	\$69,260
Collins, Tom	Smoke Exposure Effects on Grape Berry Development and Metabolism	N	2022	\$21,500
Edwards, Charles	Microbiology and Chemistry of WA Wines	C	2021	\$25,999
Harbertson, Jim	Evaluation of Freeze Taint in Cabernet Sauvignon	C	2022	\$87,780
Harbertson, Jim	Management of Phenolic Compounds in Vineyard and Winery: Investigation of Mechanical Pruning, Grape Maturity, Raman Spectroscopy	C	2021	\$152,930
Harbertson, Jim	Research Winemaking	C	2022	\$74,080
Jacoby, Pete	Use of DRZ Subsurface Irrigation to Enhance Establishment of Replacement Vines	N	2023	\$25,000
James, David	Grape Leaffolders: Determining Economic Impact Levels and Action Thresholds	N	2023	\$14,400
Keller, Markus	Dissecting the Relative Importance of Grape Variety vs. Environment for Irrigation Management	C	2022	\$8,000
Keller, Markus	Grape Ripening Under a Double Whammy of Heat Stress and Water Deficit	C	2022	\$73,915
Keller, Markus	Influence of Cultivar, Environment and Management on Grape Yield Components and Quality	C	2021	\$96,313
Keller, Markus	Optimizing Sampling Protocols for Efficient Vineyard Nutrient Management	N	2023	\$87,819
Keller, Markus	Support for Vineyard Maintenance for Wine Grape Research	C	2022	\$5,000

Moyer, Michelle	Alternative Preplant Strategies for Nematode Management in Washington Wine Grape Vineyards	N	2023	\$67,736
Moyer, Michelle	Fungicide Resistance Monitoring and Alternative Management Strategies for Grape Powdery Mildew	N	2023	\$30,126
Piao, Hailan	Impact of Yeast and Malolactic Bacteria on Wine Flavor Precursors	N	2023	\$57,332
Rayapati, Naidu	Innovative Strategies for Management of Grapevine Leafroll Disease	N	2023	\$125,999
Walsh, Doug	Monitoring Mealybugs for Potential Imidacloprid Resistance, Buffalo Treehoppers for Imidacloprid	C	2021	\$28,462
Walsh, Doug	Monitoring and Managing Grape Phylloxera in Washington State Vineyards	N	2023	\$57,997
	Research Funding Total			\$1,122,496

**Washington State Wine Commission Research Grant Programs
July 2020 – June 2021 Projects**

Principal Investigator	Project Title	New or Continuing	Project Completion	Funded Amount
Donahue, Tim (Walla Walla Community College)	Effects of Nitrogen vs Oxygen during White Juice Flotation compared to Cold Settling on Washington Riesling	N	2021	\$2,500
Rogue Detection	Pilot Study: Canine Detection of Grape Leafroll Virus	N	2021	\$4,460
Rogue Detection	Pilot Study: Canine Detection of Grape Phylloxera	N	2021	\$4,460
Beightol, Will Collab Wine	Crop Estimation through Remote Sensing and Artificial Intelligence	N	2021	\$15,850
Larbi, Peter (UC-Davis)	Spray Drift Study in Grapes to Support Orchard and Vineyard Air-blast Drift Modeling Effort	N	2021	\$30,000
	Total Wine Commission Research Grant Program Awards			\$57,270
	Total Washington Wine Industry Research Projects			\$1,179,766

