SYMPOSIUM

OWB-Funded Viticulture and Enology Research

Jason Tosch – OWB Director & Research Committee Chair
Neil Ferguson – Insights & Industry Relations Manager

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V&E Research Steering Committee

Jason Tosch
Stoller Wine Group
Viticulture
Committee Chair

Dr. David Beck
Crawford-Beck Vineyard
Viticulture
Co-Vice Chair

John Pratt
Celestina Vineyard
Viticulture
Co-Vice Chair

Elizabeth Clark
Airlie Winery
Winemaking

Dennis O'Donoghue
Celtic Moon Vineyards
Winemaking

Anthony King
King Wine Consulting
Winemaking

Ken Kupperman
Jackson Family Wines
Viticulture

Joey Myers
REX HILL / A to Z
Viticulture

Dave Paige
David Paige Wines
Winemaking

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Full Research Committee

Chair: Jason Tosch | **Co-Vice Chairs:** David Beck and John Pratt | **OWB Lead:** Neil Ferguson

Leah Adint
Leigh Bartholomew
Terry Brandborg
Robert Brittan
Johnny Brose
Tresider Burns
Sarah Cabot
Ted Casteel
Leti Catoira
Elizabeth Clark*
Jason Cole
Dai Crisp
Jessica Dunnam
Scott Dwyer
Peter Ebbers
Michael Fay
Chris Graves
Brian Gruber
Geoff Hall
Gina Hennen
Allen Holstein
Anthony King*
Erik Kramer
Bill Kremer
Ken Kupperman*
Mel Liebeck
Anna Matzinger
Ryan McAdams
Jarrod McCann
Brian McCormick
Anneka Miller
Erica Miller
Kathy Miller
Karl Mohr
Michael Moore
Joey Myers*
Ray Nuclo
Dennis O'Donoghue*
Dave Paige*
Luisa Ponzi
Tim Scott
Bruce Sonnen
Evan Strode
James Thommes
Chad Vargas
Cheney Vidrine
Vince Vidrine
Nate Wall
Karl Weichold

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**steering committee member*

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Strategic Priorities For V&E Research

Vision:

Champion continuous improvement of Oregon's capacity to produce **world-class wines** that reflect a **sense of place** by sponsoring industry-leading research in the development of **sustainable practices and climate-adaptive skills**.

WINE QUALITY

Support advancements in wine quality and site expression by enhancing markers of quality in the vineyard and winery

SUSTAINABLE PRODUCTION

Lead in developing sustainable practices to minimize inputs and reduce impact

CHANGING CLIMATE

Facilitate adaptation of vineyard and winemaking practices to future climatic conditions

FOUNDATIONAL RESEARCH

Foster V&E discovery that has the potential to provide foundations for future applications that address the other three priorities

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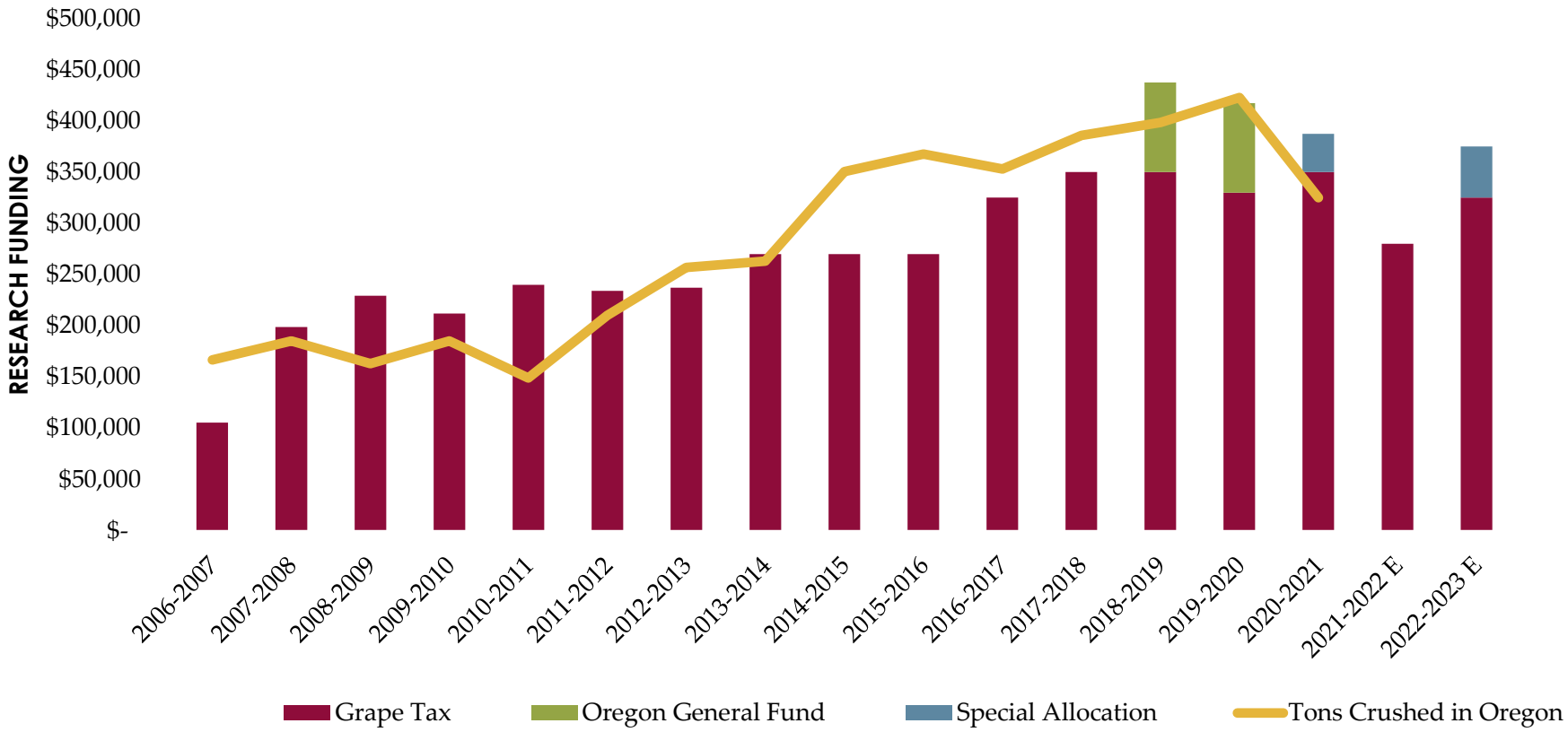
OWB V&E Research Funding History



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2020-22 FUNDED PROJECTS

PRIMARY INVESTIGATOR	PROJECT	INSTITUTION	STRATEGIC PLAN PRIORITY AREA			
			WINE QUALITY	SUSTAINABLE PRODUCTION	CHANGING CLIMATE	FOUNDATIONAL RESEARCH
Achala KC	Assessing GTDs in Oregon vineyards	Oregon State University	x	x		
Walt Mahaffee	Botrytis bunch rot	USDA-Agriculture Research Foundation	x	x	x	
Alec Levin	Determining optimal irrigation initiation time	Oregon State University	x	x	x	
Patti Skinkis	Soil moisture and vine response in Oregon soils	Oregon State University	x	x	x	
James Osborne	Malolactic fermentation and Brettanomyces	Oregon State University	x			x
Federico Casassa	Variations of berry size	California Polytechnic State University, San Luis Obispo	x			x
Walt Mahaffee	Persistence of fungicide resistance in powdery mildew	USDA-Agriculture Research Foundation		x		
Patti Skinkis	Rootstock performance in Oregon	Oregon State University		x	x	
Elizabeth Tomasino	2020 smoke exposure sample analysis	Oregon State University	x		x	x
Laurent Deluc	Gene editing technology	Oregon State University				x

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OWB Funded Presentations this Week

TUESDAY (2/15)	WEDNESDAY	THURSDAY
Soil Moisture and Vine Response in Oregon Soils *Patty Skinkis*	**Grapevine Trunk Disease Research Findings in Oregon** *Achala KC, Bryan Berenguer,* **Rootstock Performance in Oregon** *Patty Skinkis*	**Drought in Oregon** *Alexander Levin – Irrigation initiation* **Botrytis Bunch Rot** *Alex Wong – Mahaffee lab* **Gene Editing Technology** *Laurent Deluc*

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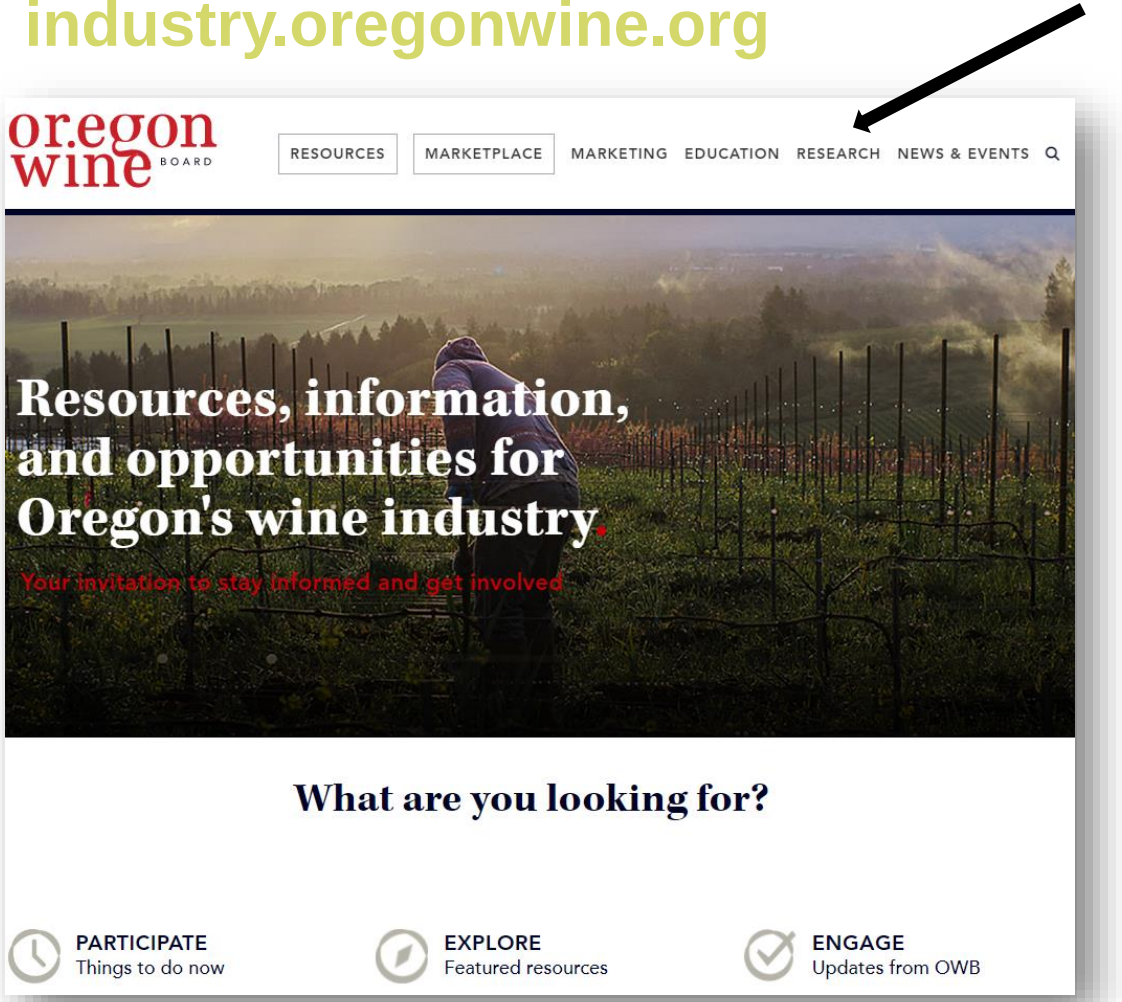
Where to Find Research Updates

industry.oregonwine.org



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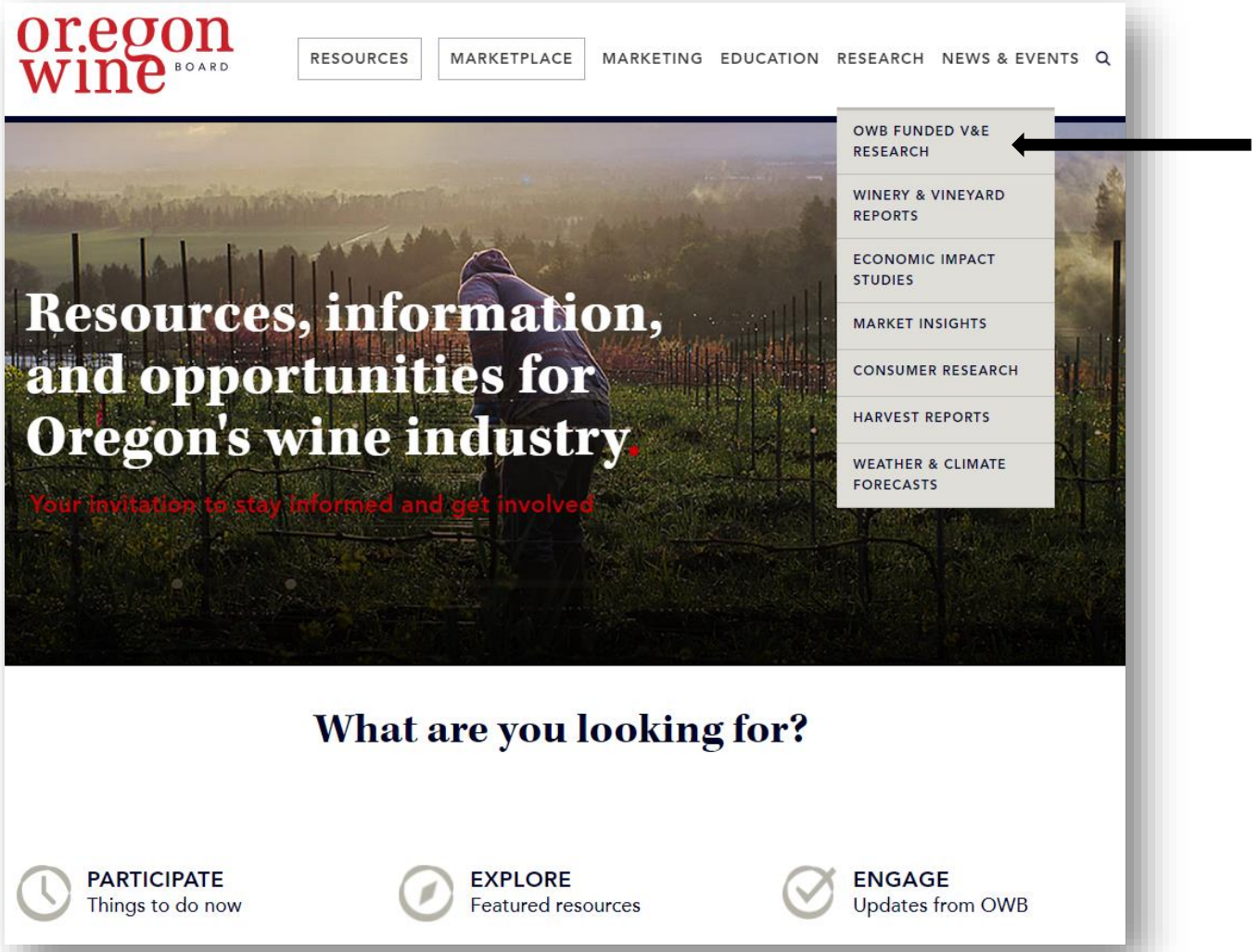
Where to Find Research Updates



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OWB-funded technical research

The Oregon Wine Board provides, pursuant to its legislative charter, research grants to institutions for research in viticulture and enology of particular relevance to the Oregon wine industry. The results of OWB-supported technical research are reported to the industry through seminars, symposia, extension publications, and peer-reviewed journals.

Vision

Champion continuous improvement of Oregon's capacity to produce world-class wines that reflect a sense of place by sponsoring industry-leading research in the development of sustainable practices and climate-adaptive skills.

Strategic plan

Funding decisions are guided by the OWB's strategic plan for viticulture and enology research. The current plan was developed by a group of industry experts and approved by the Board in 2018.

Areas of strategic importance:

Wine Quality

Sustainable Production

Changing Climate

Foundational Research

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2020-21 OWB Funded Research | Chemical and sensory effects of intrinsic variations of berry size

August 19, 2021 | OWB Funded Research, Scientific Research, Viticulture + Enology | 0 comments

In its 2020-21 fiscal year, the Oregon Wine Board of Directors granted $350,000 to researchers for eight projects with the potential to advance quality grape growing and winemaking in Oregon. The update below is part of a series to let industry members know about the status of these projects.

Dr. Federico Casassa, associate professor of wine sensory in the Department of Wine and Viticulture at California Polytechnic State University San Luis Obispo, is principal investigator on the project described below. His department colleague Dr. Jean Dodson Peterson, associate professor of viticulture, is co-PI on this project. They have prepared the update below.

Chemical and sensory effects of intrinsic variations of berry size in *Vitis vinifera* L. cultivars

Project objectives:

This project focuses on *V. vinifera* L. cv. Pinot noir berry size, as well as associated wine sensory and chemical attributes. The objectives are:

1. **Classify and record intrinsic variations in berry size for Pinot noir clones.** We will use a berry sorting device that has been designed and trialed in-house at Cal Poly to sort berries of Pinot noir into different class size categories. Several methodologies have attempted to classify *Vitis vinifera* L. berries, including segregation by berry equatorial diameter (Mirás-Avalos et al. 2019, Xie et al. 2018), berry fresh weight (Chen et al. 2018), and berry density and sugar content (Rolle et al. 2015). However, these aforementioned methodologies are limited by the number of berries that can be practially collected and thus winemaking is not possible. In the present work, we propose the segregation of berries by diameter using a large mechanical device that allows collecting berries in the quantities required for winemaking purposes.
2. **Explore winemaking practices to artificially manipulate berry size to adjust for size related concerns, including saignée (bleed-off), dilution, and addition of extra fermentation solids.** Winemakers traditionally compensate large berry size by performing the

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Get in touch for more information…

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