

Monica L. Cooper-CV

Farm Advisor (Viticulture)

University of California, Agriculture and Natural Resources, Cooperative Extension
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EDUCATION

University of Florida (Gainesville)

Doctor of Plant Medicine, 2006

Washington & Lee University (Lexington, VA)

B.S. Biology, 1996

PROFESSIONAL EXPERIENCE

Assistant (2009-2011), Associate (2011-2014) and Farm Advisor-Viticulture (2014-present), University of California, Cooperative Extension, Napa County.

Staff Research Associate III-Supervisor (2006-09) and Staff Research Associate I (2003-06), Department of Environmental Science, Policy, and Management, UC Berkeley.

Graduate Research Assistant (2000-03): Department of Entomology, University of Florida.

Graduate Teaching Assistant (2001): Department of Plant Pathology, University of Florida.

HONORS AND AWARDS

Extension Distinction Award (2019; American Society for Enology & Viticulture)

International IPM Award of Recognition (2018)

USDA Deputy Administrator's Safeguarding Award (2016; Honorable Mention)

Vintage Report Innovation Award (2016)

Featured Extension Agent (2016; *Modern Farmer*)

UC ANR Distinguished Service Award for Outstanding Team (2015-16)

Gamma Sigma Delta Agricultural Honor Society (2002)

Robert E. Lee Scholar (1995)

PROFESSIONAL ACTIVITY

American Society of Enology and Viticulture

Entomological Society of America

American Society for Horticultural Science

Napa Valley Vineyard Technical Group (Executive Director)

Association of Applied IPM Ecologists (Board of Directors, 2015-2020)

American Journal of Enology & Viticulture, ASEV Catalyst (Associate Editor; 2015- present)

Hopland Research & Education Center (Research Advisory Committee, 2014-present)

UC ANR Grape Program Team (Member, 2009-present & Leader, 2018-present)

Napa Valley Grape growers: Farmworker Education & Industry Issues Committees

EXTENSION AND RESEARCH ACTIVITY (\$1,900,000)

Over 17-year career, extension and applied research has been supported by a cumulative \$1,900,000 in competitive funding from USDA-NIFA (SCRI), USDA-APHIS-PPQ, US EPA, CDFA PD/GWSS Board, CDFA Specialty Crop Program, American Vineyard Foundation, Viticulture Consortium West, and Napa County Winegrape Pest & Disease District.

Select recent PUBLICATIONS (Refereed journals):

Oliver C., M. L. Cooper, M. Lewis-Ivey, P. Brannen, T. Miles, W. Mahaffee, M. Moyer. 2021. Assessing the United States grape industry's understanding of fungicide resistance mitigation practices. *American Journal of Enology & Viticulture* 72: 181-193;10.5344/ajev.2021.20062

Beal D. J., M. L. Cooper, M. P. Daugherty, A. H. Purcell, R. P. P. Almeida. 2021. Seasonal abundance and infectivity of *Philaenus spumarius* (Hemiptera: Aphrophoridae), a vector of *Xylella fastidiosa* in California vineyards. *Environ Entomol*;10.1093/ee/nvaa178

Al Rwahnih M., A. Diaz-Lara, K. L. Arnold, M. L. Cooper, R. J. Smith, G. Zhuang, M. C. Battany, L. J. Bettiga, A.

- Rowhani, D. A. Golino. 2021. Incidence and genetic diversity of grapevine Pinot gris virus in California, USA. *Amer Journal of Enology and Viticulture* 72: 164-169; 10.5344/ajev.2020.20044.
- Schartel T. E., M. L. Cooper, A. L. May, M. P. Daugherty. 2021. Quantifying vine mealybug (*Planococcus ficus* Signoret) invasion in northern California vineyards to inform management strategy. *Environ Entomol* 50: 138-148; 10.1093/ee/nvaa141
- Daane K. M., G. Y. Yokota, V. M. Walton, B. N. Hogg, M. L. Cooper, W. J. Bentley, J. G. Millar. 2020. Development of a mating disruption program for a mealybug, *Planococcus ficus*, in vineyards. *Insects* 11, 635; 10.3390/insects11090635.
- Girardello R. C., M. L. Cooper, L. A. Lerno, C. Brenneman, S. Eridon, M. Sokolowsky, H. Heymann, A. Oberholster. 2020. Impact of grapevine red blotch disease on Cabernet Sauvignon and Merlot wine composition and sensory attributes. *Molecules* 25, 3299; 10.3390/molecules25143299
- Hobbs M.B., T. Herrero, E. Klachky, M.L. Cooper. 2020. Leveraging pay and benefits as workforce retention strategies: insights from a case study of Napa vineyard workers. *Catalyst* 4:33-38.
- Blaisdell G.K., S. Zhuang, A. Rowhani, V. Klaassen, M.L. Cooper, K.M. Daane, R.P.P. Almeida. 2020. Trends in vector-borne transmission from co-infected hosts: *Grapevine leafroll-associated virus 3* and *Grapevine virus A*. *Eur J Plant Path*; 10.1007/s10658-019-01916-7
- Cooper M.L., M.B. Hobbs, B. Strode, L.G. Varela. 2020. Grape erineum mite: post-harvest sulfur applications reduce leaf blistering in the subsequent growing season. *Calif Agric* 74: 94-100; 10.3733/ca.2020a0012
- Hobbs M.B., E. Klachky, M.L. Cooper. 2020. Job satisfaction assessments of agricultural workers help employers improve the work environment and reduce turnover. *Calif Agric* 74: 177-186; 10.3733/ ca.2020a0002
- Daane K.M., V.M. Walton, G.Y. Yokota, B.N. Hogg, M.L. Cooper, W.J. Bentley, J.G. Millar. 2020. Development of a mating disruption program for a mealybug, *Planococcus ficus*, in vineyards. *Insects* 11: 631. doi.org/10.3390/insects11090635
- Cooper M.L., M.B. Hobbs, C.L. Boser, L.G. Varela. 2019. Argentine ant management: using toxin-laced polyacrylamide crystals to target ant colonies in vineyards. *Catalyst* 3: 23-30; 10.5344/catalyst.2019.18009
- Girardello R.C., M.L. Cooper, R.J. Smith, L. Lerno, R.C. Bruce, S.S. Eridon, A. Oberholster. 2019. Impact of grapevine red blotch disease on grape composition of *Vitis vinifera* Cabernet Sauvignon, Merlot and Chardonnay. *Journal of Agricultural and Food Chemistry* 67: 5496-5511; 10.1021/acs.jafc.9b01125
- Martínez-Lüscher J., C. M. Plank, L. Brillante, Y. Runze, M. Al Rwahnih, M.L. Cooper, R.J. Smith, R. Girardello, A. Oberholster, S.K. Kurtural. 2019. Grapevine red blotch virus may reduce carbon translocation leading to impaired grape berry ripening. *J. Agricultural and Food Chemistry*. DOI: 10.1021/acs.jafc.8b05555
- Arnold K. L., N. McRoberts, M.L. Cooper, R. J. Smith, D.A. Golino. 2019. Virus surveys of commercial vineyards show value of planting certified vines. *Calif Agric* 73: 90-95; 10.3733/ca.2019a0006
- Al Rwahnih M., A. Diaz-Lara, K. L. Arnold, M. L. Cooper, R. J. Smith, G. Zhuang, M. C. Battany, L. J. Bettiga, A. Rowhani, D. A. Golino. 2021. Incidence and genetic diversity of grapevine Pinot gris virus in California, USA. *Amer Journal of Enology and Viticulture* 72: 164-169; 10.5344/ajev.2020.20044.
- Schartel T. E., B.R. Bayles, M.L. Cooper, G. Simmons, S.M. Thomas, L.G. Varela, and M.P. Daugherty. 2018. Reconstructing the European grapevine moth (Lepidoptera: Tortricidae), invasion in California: insights from a successful eradication. *Annals of the Entomological Society of America*. doi: 10.1093/aesa/say056
- Cooper M.L., M.P. Daugherty, D.R. Jeske, R.P.P. Almeida, K.M. Daane. 2018. Incidence of grapevine leafroll disease: effects of grape mealybug (*Pseudococcus maritimus*) abundance and pathogen supply. *Journal of Economic Entomology* 111: 1542-1550.
- Ricketts K.D., M.I. Gomez, M.F. Fuchs, T.E. Martinson, R.J. Smith, M.L. Cooper, M. Moyer, A. Wise. 2017. Mitigating the impact of grapevine red blotch: Optimizing disease management strategies in U. S. vineyards. *American Journal of Enology and Viticulture* 68(1): 127-135.
- Kaplan J., R. Travadon, M. Cooper, V. Hillis, M. Lubell, K. Baumgartner. 2016. Identifying economic hurdles to early adoption of preventative practices: the case of trunk diseases in California winegrape vineyards. *Wine Economics and Policy* 5: 127-141.
- MacDonald S. L., M. Staid, M. Staid, M. L. Cooper. 2016. Remote hyperspectral imaging of *Grapevine leafroll-associated virus 3* in Cabernet Sauvignon vineyards. *Computers and Electronics in Agric* 130: 109-117.
- Cooper M. L., L. G. Varela, R. J. Smith, D. R. Whitmer, G. A. Simmons, A. Lucchi, R. Broadway, R. Steinhauer. 2014. A collaborative effort: grape growers, scientists and regulators respond to the European grapevine moth in California. *California Agriculture* 68(4): 125-133; 10.3733/ca.v068n04p125