

Tuesday, 8 November 2022

Hive Orange
25-27 McMamara St
Orange, NSW 2800

9:00 am – 12:30 pm

Time	Agenda	Presenter
09:00 – 09:25	Welcome and introduction	Matt Holdstock (AWRI)
09:25 – 09:50	Cover cropping	Chris Penfold (AWRI)
09:50 – 10:15	Weed management without synthetic chemicals	Chris Penfold (AWRI)
10:15 – 10:40	When do grapes stop accumulating sugar and why is this important?	Paul Petrie (SARDI)
10:40 – 11:15	Morning tea	
11:15 – 11:40	Scale and mealybug – what can you do to control these sap-sucking insects?	Marcel Essling (AWRI)
11:40 – 12:05	Making tropical wine by foliar application of nitrogen and sulfur in the vineyard	Mark Solomon (AWRI)
12:05 – 12:30	Q&A	Matt Holdstock (AWRI)

Booking is essential

Please book [here](#) and for more information, please contact:

AWRI Events
Ph. 08 8313 6600 | Email: events@awri.com.au



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Wine**



Marcel Essling – Senior Viticulturist, AWRI
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Marcel Essling is a Senior Viticulturist at The Australian Wine Research Institute. He provides viticulture and technical advice to the Australian wine sector as well as coordinating activities associated with the provision of information related to agrochemicals. He holds a BAgSc in Viticulture from The University of Adelaide and a BBus from Victoria University of Technology. Marcel is chair of the Agrochemical Reference Group, represents the AWRI on AgChem Access Priorities Forum, advises the Wine Industry Technical Action Committee and is a member of the Adelaide Hills Wine Technical Subcommittee.



Matt Holdstock – Senior Oenologist, AWRI
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Matt is a Senior Oenologist at the Australian Wine Research Institute. Matt graduated from the Flinders University of South Australia in 1996 with a BSc, majoring in chemistry, and commenced at the AWRI in the same year. He has worked in the Analytical Service laboratory as a laboratory technician as well as supervising the laboratory for a number of years prior to moving across to Industry Development and Support group. Matt completed a post graduate degree in Oenology in 2003 at the University of Adelaide and has worked in both the Sonoma Valley and Bordeaux. Matt currently works across both the AWRI Helpdesk and AWRI extension projects.



Mark Solomon – Senior Scientist, AWRI
mark.solomon@awri.com.au

Mark Solomon has been employed at the AWRI since 2008, starting in the Trace Analytical Laboratory. He later moved into research on wine flavour and has collaborated on a range of projects with other research teams and Metabolomics SA. Mark has a strong focus on method development, sample analysis and instrument maintenance. Most recently, he has been involved in developing industry-relevant practices for foliar spraying to boost tropical flavours in wine.



Chris Penfold – Senior Viticulturist, AWRI
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Chris Penfold's roots are from a broadacre farm at Tumby Bay on Eyre Peninsula. He gained an Agriculture Degree and Postgraduate Diploma in Natural Resource Management from Roseworthy Agricultural College, and later a Masters in Agricultural Science, which was the culmination of an eight-year investigation of organic and biodynamic broadacre farming systems. In 2000 he started the journey in viticultural research, which included investigating non-chemical weed control, native cover cropping options, organic and biodynamic systems and most recently under-vine cover cropping as an alternative to the application of herbicides for weed control. After 30 years he has retired from research at the University of Adelaide and now enjoys part-time work with the AWRI and conducting organic audits for NASAA, along with some recreational flying and travel when possible.



Paul Petrie – Principal Scientist – Viticulture, SARDI
paul.petrie@sa.gov.au

Paul Petrie is the Principal Scientist – Viticulture and Program Manager of the Irrigated Crops group at the South Australian Research and Development Institute. He has extensive experience in the Australian wine industry which includes working in research and extension at the Australian Wine Research Institute and as the National Viticulturist at Treasury Wine Estates. Paul grew up helping his parents establish a vineyard in New Zealand and before moving to Australia for a role at CSIRO he completed a PhD on canopy management at Lincoln University. Paul leads a viticultural research program aiming to improve the resilience of Australian vineyards; improving their productivity and ability to adapt to climate change. This work includes projects developing strategies to better manage dry winters and to understand and manage vintage compression. He also has an active interest in the application of technology to the wine industry and has previously developed a system to assess grapevine water status using a thermal camera mounted on a smartphone and is currently working on a project to assess and map grapevine trunk diseases using an action camera. Paul supports a wide range of horticultural projects; including the development of high density almond orchards and the assessment of the recovery of apples and cherries after bushfire damage.