



CLIMATE CHANGE ADAPTATION: BUILDING RESILIENCE IN THE VINEYARD

Despite the relatively wet conditions experienced across south-eastern Australia during the 2021-22 season, the prolonged drought of the previous 10 years has given Victorian wine-grape growers an understanding of the importance of building resilience in their system to withstand projected increases in aridity in the future. The careful management of water resources is critical for the long-term sustainability of the Victorian wine sector. This workshop will present short- and long-term climate change projections as well as tools and resources to assist grapegrowers and winemakers manage reduced water and adapt to a water-constrained future.

Time	Agenda	Presenter
08:30 – 08:45	Registration	
08:45 – 08:50	Introduction	Robyn Dixon (AWRI)
08:50 – 09:15	The Climate Atlas	Dr Tom Remenyi (University of Tasmania)
09:15 – 09:40	Soil health for building resilience in cool climate vineyards	Prof. Bob White (University of Melbourne)
09:40 – 10:05	Cover crops for building resilience in cool climate vineyards	Dr Thomas Lines (University of Adelaide)
10:05 – 10:30	Morning tea	
10:30 – 10:55	Online water budgeting tool	Mark Skewes (SARDI)
10:55 – 11:20	Irrigation scheduling tools	Dr Vinay Pagay (University of Melbourne)
11:20 – 12:00	Online non-chemical weed control tool and cover crop selector	Robyn Dixon (AWRI)
12:00	Workshop concludes	

Booking is essential. Please register via the link below for the session you wish to attend.

GRAMPIANS

Tuesday, 12 July, 8:30am – 12:00pm

Alexandra Oval Community Centre
Alexandra Oval, Precinct, Ararat VIC 3377

[Register here](#)

YARRA VALLEY

Thursday, 14 July, 8:30am – 12:00pm

Healesville Memorial Hall
237 Maroondah Hwy, Healesville VIC 3777

[Register here](#)

NORTH-EAST VICTORIA

Wednesday, 13 July, 8:30am – 12:00pm

Brown Brothers Milawa
239 Milawa-Bobinawarra Road, Milawa VIC 3678

[Register here](#)

MORNINGTON PENINSULA

Friday, 15 July, 8:30am – 12:00pm

Mornington Golf Club
Tallis Dr, Mornington VIC 3931

[Register here](#)

For more information, please contact AWRI Events
Ph. 08 8313 6600 | Email: events@awri.com.au



Prof Robert White (University of Melbourne)

Prof. Robert White is Emeritus Professor of Soil Science at the University of Melbourne, where he held the Chair of Soil Science from 1994 to 2003. Previously he was Professor of Soil Science and Director of the Fertilizer and Lime Research Centre at Massey University, New Zealand. He has extensive experience in soil science nationally and internationally, having worked in CSIRO and universities and been a private consultant in the viticulture industry from 2004. His main experience is in soil, water and nutrient management in places as diverse as Australia, USA, UK, NZ, China and southern Africa, where he has led national and international research teams. Bob has received several awards for his research and has authored a number of books on soil science.



Dr Thomas Lines (University of Adelaide)

Dr Tom Lines is currently working with Chris Penfold and Prof. Tim Cavagnaro at the University of Adelaide on quantifying the effects of undervine cover cropping. He finds motivation in providing an evidence base which growers can use to make informed decisions to improve their industry. Before Tom started in this field, he studied algal physiology, chemical engineering and biochemistry.



Mark Skewes (SARDI)

Mark has worked at Loxton Research Centre since 1988, primarily in the field of irrigated crop management, including irrigation scheduling, and soil and plant water monitoring. Mark was involved in a project to develop a smart phone app for assessing water stress in vines, and a current project investigating the use of hyperspectral cameras to assess water stress in citrus. Mark is part of a team establishing the Almond Centre of Excellence research orchard at Loxton and is the national coordinator for AgriFutures Australia's industrial hemp variety trials.



Dr Vinay Pagay (University of Adelaide)

Dr Vinay Pagay is a Senior Lecturer in Viticulture at The University of Adelaide, Australia, where he teaches viticulture and conducts research on grapevines. Vinay received his doctorate at Cornell University (USA) in 2014 where he worked on the development of novel tools for plant water sensing. Vinay also holds a degree in computer engineering from McGill University (Canada). His basic and applied research lies at the intersection of grapevine ecophysiology and vineyard technology. His current applied research is looking into the use of proximal and remote sensing tools to obtain high spatial and temporal resolution data of both biotic and abiotic stresses in vineyards, as well as for precision irrigation scheduling in vineyards. His basic research is focusing on elucidating the mechanisms involved in improved grapevine water use efficiency under reduced irrigation, specifically the roles that chemical and hydraulic signals play, as well as the role of aquaporins in regulating root and leaf water transport.



Robyn Dixon (AWRI)

Robyn Dixon is a Senior Viticulturalist at the AWRI, with over 20 years of national and international experience in vineyard management, technical viticulture, research, and extension. Since moving back to Australia from New Zealand, Robyn has been adapting her cool climate viticulture knowledge to Australian conditions, through the management of technical and extension programs across Australia.