

TOWARDS CARBON NEUTRALITY IN THE VINEYARD AND WINERY



Australia's wine industry is already feeling the effects of climate change, with our weather becoming increasingly variable. More frequent extreme weather events are affecting vine productivity. Summers are becoming steadily hotter and drier, leading to changes in vine phenology, with grapes ripening earlier and over a shorter period. This can result in vintage compression and grapes being harvested at increasingly high sugar levels. In the longer term we may start to see changes in pest and disease pressures, increased water restrictions, changes in suitability of traditional wine-grape varieties in some regions and trade restrictions related to international carbon tariffs.

There are two responses to climate change, adaptation and mitigation. Adaptation is dealing with the effects of climate change and mitigation is taking action to reduce the emissions that cause climate change.

This workshop will take an in-depth look at the climate change projections for each region and the impacts for grape and wine production. It will then discuss the challenges and opportunities for vineyards and wineries to become carbon neutral. The first half of the workshop will be focused on strategies in the vineyard, including a vineyard walk to see examples in practice. The second half will cover strategies in the winery, including a winery tour to see examples in practice. Regional case studies will be used to explore the strategies in detail.

Goulburn Valley	Rutherglen	Mildura	Geelong	Yarra Valley
Wednesday, 24 May 8:30am – 4:30pm	Thursday, 25 May 8:30am – 4:30pm	Tuesday, 30 May 8:30am – 4:30pm	Thursday, 1 June 8:30am – 4:30pm	Friday, 2 June 8:30am – 4:30pm
Tahbilk Estate	Lake Moodemere Estate	Chalmers Merbein Vineyard	Leura Park Estate	Domaine Chandon
254 O'Neils Road, Tahbilk VIC 3607	12 Moodemere Road, Rutherglen VIC 3685	118 Third Street, Merbein VIC 3505	1400 Portarlington Road, Curlewis VIC 3222	727 Maroondah Highway, Coldstream VIC 3770

Cost: \$35 per person, inc GST
Including morning tea, lunch and afternoon tea

Please note: The Rutherglen winery walk-through will be held offsite.

Booking is essential

REGISTER HERE

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Time	Agenda
08:30 – 08:45	Registration
08:45 – 08:50	Welcome and introduction
08:50 – 09:10	Climate Atlas: regional climate projections
09:10 – 09:35	Introduction: climate change adaptation vs mitigation and carbon neutral vs Sustainable
09:35– 10:00	Undervine weed management: herbicides, cover cropping and sheep grazing
10:00 – 10:25	Nutrient management: synthetic and organic fertilisers
10:25 – 10:45	Morning tea
10:45 – 11:10	Alternative varieties
11:10 – 11:35	Cover crop establishment
11:40 – 12:30	Vineyard walk exploring site-specific emissions reduction strategies
12:30 – 13:00	Lunch
13:00 – 13:30	Practical emissions strategies in the winery
13:30 – 14:00	Improving winery energy and refrigeration efficiency
14:00 – 14:30	Emerging technologies for reducing CO2 emissions
14:30 – 15:00	The influence of packaging on emissions profiles
15:00 – 15:15	Afternoon tea
15:30 – 16:30	Winery walkthrough exploring site-specific emissions reduction strategies
16:30	Finish

Participant information: This interactive workshop is suited to winemakers and growers who want to find out the latest information about measuring and reducing their carbon emissions.

Outdoor demonstration: This workshop will include an in-field vineyard demonstration. Please dress appropriately for the season, with weatherproof clothing and a change of shoes.

Biosecurity measures: Please ensure footwear is clean and free of soil and organic material before entering the vineyard. As a further precaution, participants will be provided with appropriate protection. It is a condition of participation in the workshop that participants comply with instructions given by the vineyard owner and workshop presenters.