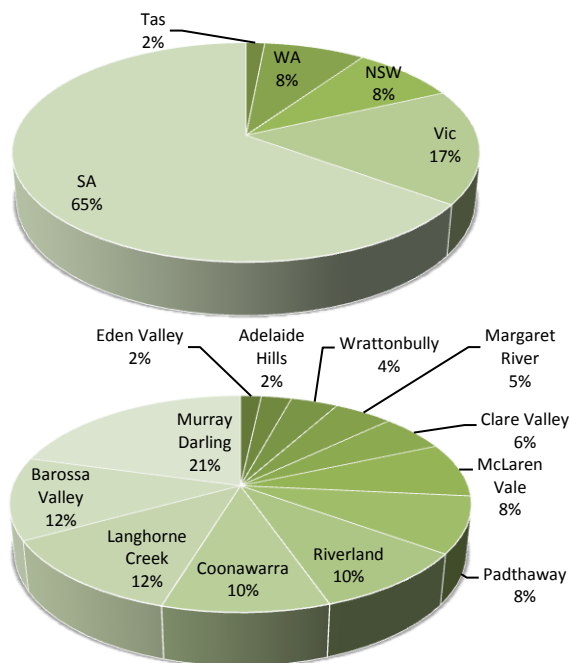


entwine australia

December 2015

Entwine Australia

Entwine exists to support all Australian grape and wine producers to achieve sustainable production by caring for and improving the environment. The AWRI thanks all Entwine members who showed their commitment to the program and renewed their membership for 2015/16. It is also great to welcome back a few members who have returned to Entwine after hearing about the changes to the program. Entwine now has more than 600 members in 43 regions covering more than 30% of all Australian wine grape vineyard area and 30% of the national crush.



The distribution of Entwine members across Australia (top) and the regions with the highest uptake (by vineyard area) of Entwine (bottom).

Entwine Australia draws on the knowledge of an AWRI team with more than 100 years of combined wine industry experience. Dr Mardi Longbottom leads the program with support from viticulturists Dr Paul Petrie and Marcel Essling and oenologists Matt Holdstock, Geoff Cowey and Adrian Coulter.

The AWRI Entwine team



Mardi Longbottom



Marcel Essling



Paul Petrie



Matt Holdstock



Geoff Cowey



Adrian Coulter

In Australia, as around the world, retailers, restaurants and consumers are looking to buy or offer wines that meet modern standards for environmental stewardship. Australian wine producers are renowned for high standards of environmental care, and Entwine provides a platform for them to demonstrate their environmental assurance and environmental improvement. The AWRI is committed to providing the best support possible to enable the Australian grape and wine community to achieve its environmental goals, to facilitate market access using environmental credentials and to enhance 'Brand Australia'.

What's new with Entwine?

Important changes to Entwine membership

To ensure that Entwine is accessible to as many Australian grapegrowers and wineries and possible, a new membership structure has been introduced. The fees for Entwine vineyard members have remained the same, with a flat fee available to all members.

Membership category	Membership requirements	Annual fees ^a
Certified member	<ol style="list-style-type: none">1. Participation in an Entwine-approved certification program and a three-yearly third-party audit2. Annual reporting of Entwine environmental resource indicators	\$110 (incl GST)
Member	<ol style="list-style-type: none">1. Participation in an Entwine-approved certification program and an annual first party audit (self-assessment)2. Annual reporting of Entwine environmental resource indicators	\$110 (incl GST)
Associate member	<ol style="list-style-type: none">1. Annual reporting of Entwine environmental resource indicators	\$110 (incl GST)

^a Fees are quoted in Australian dollars and include GST. Fees are for one year's membership (1 July 2015-30 June 2016) and are not refundable.

Certified members

Certified members participate in an Entwine-approved certification program such as ISO14001, Freshcare Environmental Viticulture/Winery or Sustainable Winegrowing Australia McLaren Vale. They are required to demonstrate their commitment to this program with a third-party audit every three years.

Members

Ordinary members also participate in an Entwine-approved certification program. Members are required to perform an annual self-assessment but are not required to participate in a third-party audit. Members' self-assessments are reported online during the membership renewal period (July-August each year).

Associate members

Associate membership is a pathway to ordinary and certified membership of Entwine. Associate members are only required to provide annual reporting of environmental resource indicators, but do not require third-party audits or self-assessments. Associate membership may be held for a maximum of two years after which time it is expected that the Associate member will engage in an approved program and become eligible for ordinary membership.

For more information, visit www.awri.com.au/industry_support/entwine/

If you would like to change your membership status, please login to the Entwine web page and update your records. If you would like your membership reinstated, please call the AWRI helpdesk on 08 8313 6600.



Virtual Entwine trail

An online Entwine trail with an interactive map and regional and individual reports will soon be available to all Entwine members.

Regional reports

Each region with at least eight certified Entwine members can now customise their own online regional report card to communicate their environmental credentials. This will be accessible via the interactive map. A survey has been sent to all eligible regions to complete and the web pages will be live early in 2016.

Individual reports

Every certified Entwine member will also be able to customise their own optional, individual online environmental report card, displaying their environmental credentials to consumers and customers worldwide. Customising your individual report will be as easy as logging in and selecting the information you'd like to share.

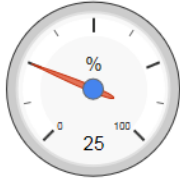
Benchmarking reports 2015

All Entwine members have now received a personalised annual benchmarking report like the one pictured at left. Using the online filters, members can compare their environmental performance against aggregated data from other Entwine members in their region or size category. If you have not yet accessed your report, login now to view your report.

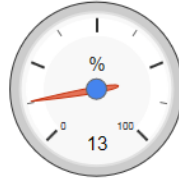
Information to guide the interpretation of your report can be found in the online 'User manual' which can be accessed here:

<https://online.entwineaustralia.com.au/>

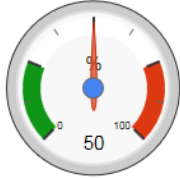
Tonnes harvested (t)



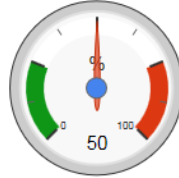
Vineyard area (ha)



Nitrogen (kg)



Total electricity (kWh)



Example Entwine benchmarking report showing the member ranking for each resource indicator within the region or size category.

St Hallett



BAROSSA

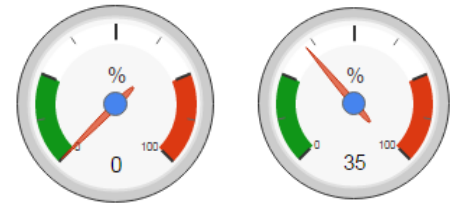
EST. 1944

Entwine champions

The AWRI is showcasing Entwine champions, starting with St Hallett winery in the Barossa Valley. As part of St Hallett's environmental sustainability journey, over the last decade the business has been implementing numerous projects and initiatives to improve carbon and energy efficiency. In 2013 St Hallett undertook several projects to improve carbon and energy efficiency:

- Replacement of mercury vapour/metal halide lights with LED lighting throughout the production area;
- Replacement of the Freon refrigeration system with an ammonia system, bringing the refrigeration plant to 100% ammonia operated; and
- Insulation of brine lines in the production cellar and throughout the winery.

St Hallett is now the best performing Entwine winery member in its size category (2,000-10,000 tonnes) and amongst the best 35% of all Entwine winery members for electricity usage.



St Hallett winery electricity rankings within its size category (left) and across Australia (right).

	Ammonia chiller	Insulation of brine lines	LED lighting	Total
Annual electricity savings (kWh)	143,581	15,728	32,278	191,587
% electricity savings	22	2.4	5	28.9
Annual carbon savings (t CO₂-e)	93	10	21	125
% reduction of site direct carbon emissions				34
Cost savings	\$13,784	\$1,510	\$3,099	\$18,392

If you are a vineyard or winery business committed to enhancing your environmental performance, you could be the next featured Entwine champion. Email the Entwine team at helpdesk@awri.com.au

International retailer update

Marks & Spencer accepts Entwine Australia as a mark of commitment to sustainability



UK retailer Marks & Spencer (M&S) has committed to increasing the sustainability of all its own brand products by 2020. Earlier this year, M&S accepted Entwine Australia as a sustainable product attribute based on its positive impact on the environment through certification of environmental management systems that facilitate the recording of agrochemicals, fertilisers, waste and energy and water use.

Progress with System Bolaget



During a recent visit to Australia, representatives from the Swedish liquor monopoly, System Bolaget, met with the AWRI to discuss Entwine. System Bolaget and all other Nordic countries ensure that wine importers adhere to a strict sustainability standard which is considered the minimum standard for market entry. The AWRI has committed to an ongoing conversation with the Nordic countries to ensure that

Entwine continues to evolve such that it facilitates the tender and selection process for wines entering these markets.

Webinar

If you missed a recent workshop but would like to hear the latest Entwine update, Mardi Longbottom presented a webinar in October. You can watch the webinar here: http://www.awri.com.au/industry_support/courses-seminars-workshops/webinars/



Workshops

The AWRI is presenting more than 20 half-day workshops across Australia in the next six months. These workshops showcase the Entwine data from different regions, discuss the impacts of a changing climate and opportunities to reduce environmental impacts.

2016 workshop schedule:

January - Rutherglen, Gippsland, Goulburn Valley, Hobart, Margaret River

February - Mt Barker, Pemberton, Adelaide Hills

March - Yarra Valley, Alpine Valley, Canberra, Tumbarumba

April - Cowra, Mudgee, Hunter Valley, Orange, Riverina, Swan Valley, Coonawarra

For dates and details of the workshops, check the AWRI events calendar:

http://www.awri.com.au/industry_support/courses-seminars-workshops/events/

Contact the AWRI for support

The Australian Wine Research Institute provides technical support for Australia's grapegrowers and winemakers. This service is free and confidential. Contact the AWRI helpdesk on 08 8313 6600 or helpdesk@awri.com.au.



The Australian Wine Research Institute