

Please note: This form should be filled out by vineyard operators only and should take into account one vineyard site, or a cluster of vineyards if owned and managed as one business in the same wine region. Please refer to the **Entwine Reporting Guide** (Below) for specific advice on answering these questions, the Entwine Australia website also provides general information regarding the submission of data www.wfa.org.au/entwineaustralia. When completing this form only include resource use associated with the vineyard (do not include winemaking, cellar door or restaurant), if separate metering is not conducted please make a considered estimate.

Entwine Australia Indicators

1. Financial Year of Data Collection _____ / _____
2. Tonnes of Grapes Produced(T)
3. Area Under Vine (Excluding Headlands)(Ha)
4. Total Purchased Electricity(kWh)
5. Total Water Use(ML)
6. Total Nitrogen Applied(Kg)
7. Total Petrol Use(L)
8. Total Diesel Use (Excluding Biodiesel)(L)
9. Total LPG Use(L)
10. Did you maintain a mid-row cover crop this year? (*Please Circle*) **YES** / **NO**
11. If "YES" for question 10, did you maintain the cover crop year round? (*Please Circle*) **YES** / **NO**
12. If "YES" for question 10, what percentage of the total vineyard floor was covered by:
 - Volunteer sward**(%)
 - Sown or managed (sown in previous years) native species**(%)
 - Sown non-native species**(%)
13. What is the area of land in hectares (Ha) that you actively manage, with the primary goal of maintaining and or reintroducing a natural ecosystem and biodiversity?(Ha)
14. What type of irrigation system is predominately used on your vineyard (Please tick one of the following):
 - Drip**
 - Under vine sprinklers**
 - Overhead sprinklers**
 - Flood/Furrow**
 - Non-irrigated or other**

Please continue on next page.
Refer to the attached Entwine Reporting Guide for guidance in answering these questions

15. Please estimate the contribution to vineyard irrigation from the following sources
(Must add up to 100%)

- River water** (%)
- Groundwater** (%)
- Rain water run-off collected on the property** (%)
- Recycled winery wastewater** (%)
- Recycled wastewater from a non-winery source** (%)
- Mains water** (%)
- Other** (%)

Environmental Management Certification

Full Entwine membership applicants only

- 16. What scheme is your company certified to?
- 17. What is your certification number (if applicable)?
- 18. What date does your certification expire?

Preliminary Entwine membership applicants only

- 19. What certification scheme does your company intend to become certified to?

Vineyard Details

- ENTWINE MEMBERSHIP NUMBER (CURRENT MEMBERS): _____
- COMPANY NAME: _____
- VINEYARD NAME: _____
- VINEYARD GI REGION: _____ VINEYARD STATE: _____
- ENTWINE ACCREDITED WINE BRANDS: _____

Contact Details

- CONTACT: _____ ABN: _____
- POSTAL ADDRESS: _____
- SUBURB/TOWN: _____ STATE: _____ POSTCODE: _____
- EMAIL: _____ PHONE: _____
- WEB (Optional): _____

Declaration

I _____ declare that the above information is true and accurate to the best of my knowledge.

Signature: _____ Date: _____

Please continue on next page.

WINEMAKERS' FEDERATION OF AUSTRALIA

National Wine Centre, Botanic Road, Adelaide SA 5000 (PO Box 2414, Kent Town SA 5071)
 Telephone: 08 8222 9255, Facsimile: 08 8222 9250, Email: entwine@wfa.org.au,
 Website: www.wfa.org.au/entwineaustralia
 ABN 38 359 406 467

Entwine Australia Annual Fee

New Entwine Members

New Vineyard Members Joining in: July - October	\$110.00 (GST inc.)	\$ _____
New Vineyard Members Joining in: November - February	\$75.00 (GST inc.)	\$ _____
New Vineyard Members Joining in: March – May	\$40.00 (GST inc.)	\$ _____
New Vineyard Members Joining in: June	\$0.00 (GST inc.)	\$ _____

Current Entwine Member Renewal

Please refer to your renewal advice provided by the WFA for appropriate membership fee category.

Renewing vineyard member	\$110.00 (GST inc.)	\$ _____
Renewing vineyard member	\$101.00 (GST inc.)	\$ _____
Renewing vineyard member	\$92.00 (GST inc.)	\$ _____
Renewing vineyard member	\$83.00 (GST inc.)	\$ _____
Renewing vineyard member	\$74.00 (GST inc.)	\$ _____
Renewing vineyard member	\$65.00 (GST inc.)	\$ _____
Renewing vineyard member	\$56.00 (GST inc.)	\$ _____
Renewing vineyard member	\$47.00 (GST inc.)	\$ _____
Renewing vineyard member	\$38.00 (GST inc.)	\$ _____
Renewing vineyard member	\$20.00 (GST inc.)	\$ _____

Payment details

Cheque

Please make cheque payable to Winemakers' Federation of Australia and attach to this form

Credit Card

Advise credit card details below

Card type: Mastercard Visa

Card Number: / / /

Expiry Date: _____ / _____ Card Name: _____

Card Signature: _____ Date: _____

Electronic Funds Transfer

Please reference payment as: Entwine (*vineyard/winery name*)

EFT Details:

Westpac Banking Corporation
Account Name: Winemakers' Federation of Australia
BSB: 035 000
Account No: 364226

Authorised representative

Name: _____ Position: _____

Signature: _____ Date: _____

Please note that this form also acts as a tax invoice and is to be kept for your records.

Please submit the completed form along with EntWine Australia membership fees to WFA using the details below. Your membership will be processed in due course and you will be entered onto the EntWine Australia online register.

What do I report?

Report on the resources used in the production of grapes that are associated with your Entwine membership. For example water and electricity use in other operations that are managed by your business such as other farming activities or accommodation should not be included in these figures. If other activities are conducted, but not metered separately an estimate of the proportion of resource linked to vineyard operations is sufficient. If you register a regional cluster of vineyards under the one Entwine membership number, sum the data from the cluster for reporting here.

All information will be held in strict confidentiality and is for the purposes of providing feedback to members on their performance relative to averages from the Entwine membership.

If you have any concerns or difficulties in completing your Entwine data report please contact Damien Griffante on (08) 8222 9251 or damien@wfa.org.au

Entwine Australia Indicators for vineyards:**1. Financial Year of Data Collection**

Record the financial year (eg 10/11) for the data you are reporting on

2. Tonnes of grapes produced (T)

The total tonnage of winegrapes that you harvested in the financial year of reporting, do not include un-picked grapes.

3. Area under vine, excluding headlands (Ha)

Include total area of all winegrapes (including any non-producing vineyard areas, such as newly planted and 'mothballed' vineyard areas).

4. Total purchased electricity (kWh)

Include the total electricity purchased in the management of the vineyard operation, for example in the powering of irrigation pumps, office and shed lighting, air-conditioning and refrigeration. Include all electricity purchased from the grid, do not include any electricity generated on site for example by solar panels or generators."

5. Total water used (ML)

Include the total water used in managing the vineyard, for example for the irrigation of grape vines, washing machinery, using sprays and operating office and shed (in mega litre units).

6. Total nitrogen applied in kilograms (kg)

Nitrogen fertiliser applied to the vineyard as synthetic fertiliser (do not include organic sources of nitrogen such as manure). The nitrogen content of fertilisers is stated on the fertiliser packaging. Most fertiliser packaging will have a sequence of numbers such as "21 – 3 – 20". This information pertains to the concentration (as a %) of the elements Nitrogen, Phosphorous and Potassium (N-P-K) in the fertiliser. Therefore in a 20kg bag of fertiliser with a label stating 21 – 3 – 20 the nitrogen content would be 21% of 20kg = 4.2kg of nitrogen. If fertiliser is liquid based establish the total volume of nitrogen in litres (L) and then convert to kg by multiplying by 0.8083 (density of liquid N).

Fuel use reporting in questions seven to 9 is for fuel used in vehicles, pumps and other machinery such as generators that were used in the vineyard operation and associated transport. Report all fuel used including fuel used by contractors on the property.

7. Total petrol use in litres (L)**8. Total diesel (excluding biodiesel) use in litres (L)****9. Total LPG use in litres (L)****10. Did you maintain a mid-row cover crop this year (YES/NO)?**

If any mid-row cover crop (either sown or volunteer) was maintained over all or part of your vineyard area during the year, circle yes for this question.

11. If "YES" for question 10, did you maintain the cover crop year round (YES/NO)?

If a cover crop was maintained over the whole year (perennial), in more than ½ of the vineyard area i.e. there was no period of bare soil exposure in that area, circle yes for this question.

12. If "YES" for question 10, what percentage of the total vineyard floor was covered by:

- **Volunteer sward (%)** – If you maintained a volunteer sward (normal grassy paddock plants that established themselves without the need for sowing) in your vineyard for all or part of the year, estimate the percentage of the total vineyard area that the sward covered.
- **Sown or managed (sown in previous years) native species (%)** – If you had native grasses and herbs that were sown this year, or sown in previous years and are being actively maintained (for example by careful spraying, avoiding slashing during seed-set and/or weeding out non-natives), estimate the percentage of the total vineyard

area that the natives covered.

- **Sown non-native species (%)?** If you sowed any non-native species in the mid-row such as rye grass, buckwheat and clover this year estimate the percentage of the total vineyard area these species covered.

13. What is the area of land in hectares (Ha) that you actively manage, with the primary goal of maintaining and or reintroducing a natural ecosystem and biodiversity?

Please Note: If you have already answered this question in the winery indicator sheet for your business please do not count the same areas again. Calculate the area that you actively contribute to (either on the same property as the vineyard or off site), with the primary purpose being to protect, maintain, restore, rehabilitate or revegetate native habitat. This can include areas that have a secondary recreational, income-generating or waste management purpose (such as eco-tourism, carbon farming or releasing treated winery wastewater) provided that these activities do not degrade the native habitat potential of the area. However, do not include areas that are used regularly for domestic animal grazing. You can include in this figure areas that are not owned by the business, but that your business makes the leading contribution to the care of, for example through weed control and revegetation of a nearby creek on public land. Do not include the area of native plant cover crops in the vineyard.

14. What type of irrigation system is predominately used on your vineyard (Please circle one of the following): Drip; Under vine sprinklers; Overhead sprinklers; Flood/Furrow; Non-irrigated or other?

This question applies to your vineyard site and not other land uses on the property. If multiple methods of irrigation are utilised select the highest volume method you use to irrigate in the vineyard(s).

15. What is the source of your irrigation water?

This question is about the water that you use to water the vineyard when direct rainfall on the vineyard is insufficient to meet vine water needs. If you store water for irrigation on the property in dams it may be derived from the multiple sources that are available to you, such as river water, rainwater runoff and treated wastewater, please estimate the percentage contribution to irrigation from each of these sources. If you irrigated last year, the total for this question should add up to 100%, if you did not irrigate the total should be zero. If you irrigated a portion of the vineyard(s) only, answer for those areas that were irrigated.

- **River water** means water that is collected from rivers either directly by your operation or via an irrigation scheme that draws water predominantly from rivers
- **Ground water** is water collected directly from bores on your property or via an irrigation scheme that primarily sources ground water.
- **Rainwater run-off collected on the property** is rainwater collected on the property from overland flow or springs and building rooves into water storages such as dams and tanks on the property; rain water may be collected by drains and creeks that flow into dams on the property after rainfall events.
- **Recycled winery wastewater** is water that has been used as part of winemaking practices that has been collected and treated sufficiently to allow use for vineyard irrigation, potentially by 'shandy' with water from other sources.
- **Recycled wastewater from a non-winery source** can include any alternate source of recycled water that is applied to the vineyard, such as from treated domestic stormwater or wastewater.
- **Mains water** this is water accessed from municipal domestic water supply systems
- **Other** is water derived from sources that are not listed above, for example this could include water that has been carted to the property during drought conditions

Vineyard Details

Entwine Accredited Brands For Full vineyard members only who have their wine produced through contract winemakers that are also Full Entwine members. List any brands that meet the above criteria.

Vineyard Cluster Membership:

If your business owns more than one vineyard site within a wine region managed by the same viticulturist, they can be registered together as a single Entwine membership, provide the address of the site that includes the office, storage sheds and bulk of equipment.

Wine regions are based on the Wine Australia Geographical Indications, see the following website for a table and map:

<http://www.wineaustralia.com/australia/Default.aspx?tabid=834>