



SUSTAINABLE WINEGROWING AUSTRALIA

2019/20
MCLAREN VALE

RESULTS

McLaren Vale Grape Wine & Tourism Association

www.mclarenvale.info



SUSTAINABLE WINEGROWING AUSTRALIA

McLaren Vale Results 2019/20

Publisher

McLaren Vale Grape Wine & Tourism
Association

Chair

Marni Cook

General Manager

Jennifer Lynch

Grower Engagement Officer

Rachel Williams

The Sustainable Winegrowing Australia membership data contained in this report was provided to McLaren Vale Grape Wine & Tourism Association by the Australian Wine Research Institute in an aggregated and de-identified format and was accurate at 1 January 2021.

For more information about Sustainable Winegrowing Australia, please visit:

www.sustainablewinegrowing.com.au

Disclaimer: This booklet represents information from authentic and highly regarded sources. Every reasonable effort has been made to give reliable data and information, but the publisher can not assume responsibility for the validity of all material or the consequences of their use. Information in this booklet is published in good faith and we do not accept responsibility for damage which may arise from any possible inaccuracies.

For reproduction or usage of this publication and information contained within, permission must be sought from the Australian Wine Research Institute (AWRI) or McLaren Vale Grape Wine & Tourism Association (MVGWTA).

SUSTAINABLE WINEGROWING AUSTRALIA

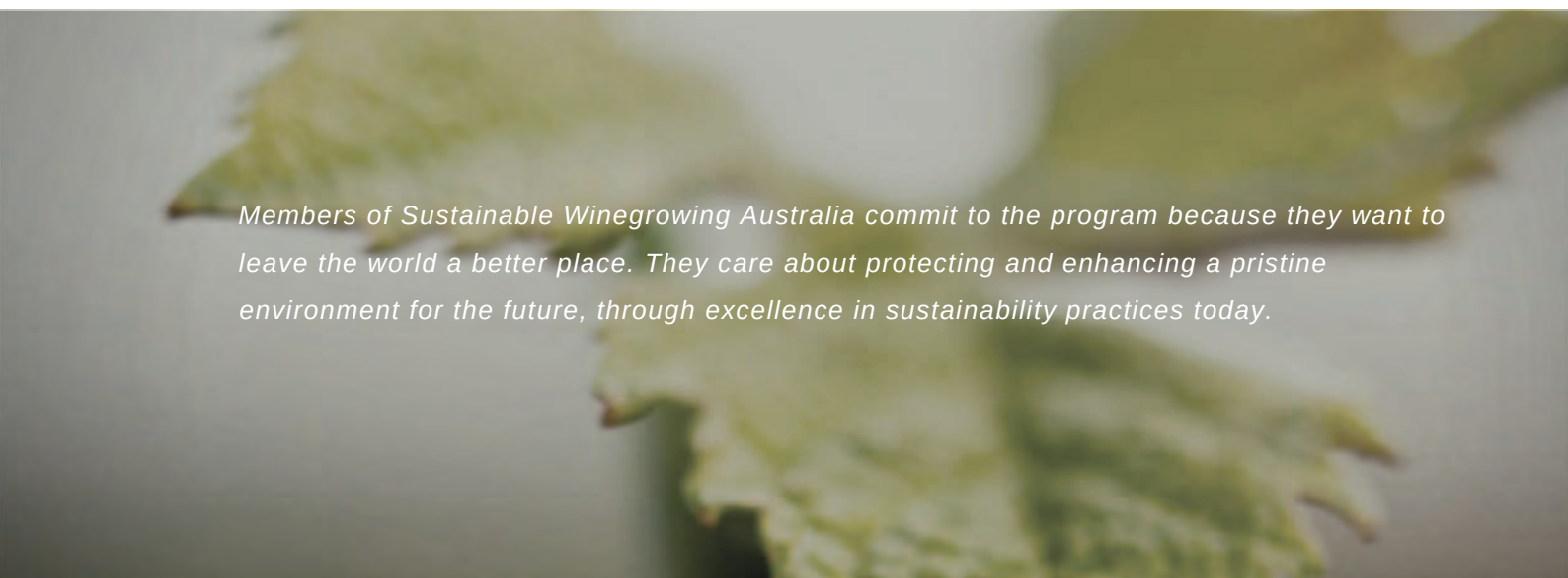
About The Program

Sustainable Winegrowing Australia is Australia's national program for grapegrowers and winemakers to demonstrate and continuously improve their sustainability in the vineyard and winery through the environmental, social and economic aspects of their businesses.

The program takes a holistic approach to managing, supporting and promoting sustainability. It is administered by the Australian Wine Research Institute with governance, endorsement and active support from Australian Grape & Wine and Wine Australia.

The program is modeled on global best practices and aligned to the United Nations Sustainable Development Goals, with progress towards these monitored annually.

Source: Australian Wine Research Institute



Members of Sustainable Winegrowing Australia commit to the program because they want to leave the world a better place. They care about protecting and enhancing a pristine environment for the future, through excellence in sustainability practices today.

SUSTAINABLE WINEGROWING AUSTRALIA

Becoming a Certified Member

Sustainable Winegrowing Australia members wishing to become certified must complete an independent audit against the Australian Wine Industry Standards of Sustainable Practice (AWISSP) for Viticulture and Wineries. To maintain certification, a successful audit must be undertaken every three years by an approved certification body.



Benefits of certification:

- use of a certified trust mark - an assurance to customers and consumers of how the product is produced
- enhanced international marketing through Wine Australia's marketing program
- integration of sustainability stories into Wine Australia's education and content for customers and consumers
- peace of mind that your sustainability claims have been independently verified.

Source: Australian Wine Research Institute

Australian wine producers are well known for their commitment to sustainable production and continuous improvement. Many are thoughtful custodians, actively practicing in a sustainable way due to climate impacts. It is now time to commit, show leadership and demonstrate our nation's credentials around the globe.

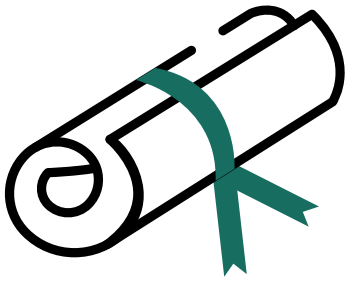
MEMBERSHIP



119

TOTAL MEMBERS

115 vineyard sites and 4 winery sites.
(Up 8 members from 2018/19)



17

CERTIFIED MEMBERS

Members who have participated in and passed a Sustainable Winegrowing Australia audit to receive certification.
(Up 4 members from 2018/19)



552

HECTARES SET ASIDE FOR BIODIVERSITY

40 members participated in local or community biodiversity projects.
(Up 11 members from 2018/19)

VINEYARD SITES

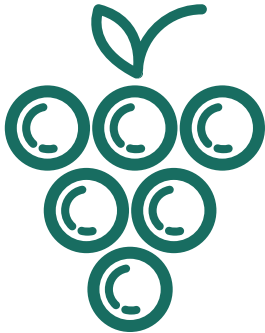


3945

TOTAL VINEYARD HECTARES

Included within the Sustainable Winegrowing Australia program.

(Up 367 hectares from 2018/19)



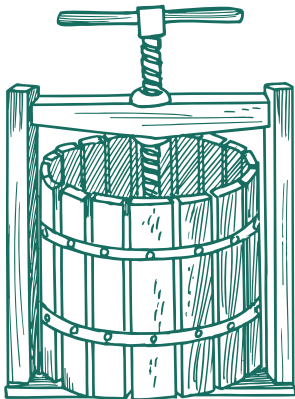
4.7

TONNES / HECTARE

Average Yield of McLaren Vale Sustainable Winegrowing Australia members.

(McLaren Vale Wine Region average was 4.8 t/ha)

Source: Wine Industry Fund Report V20 - correct as of 18 Dec 2020



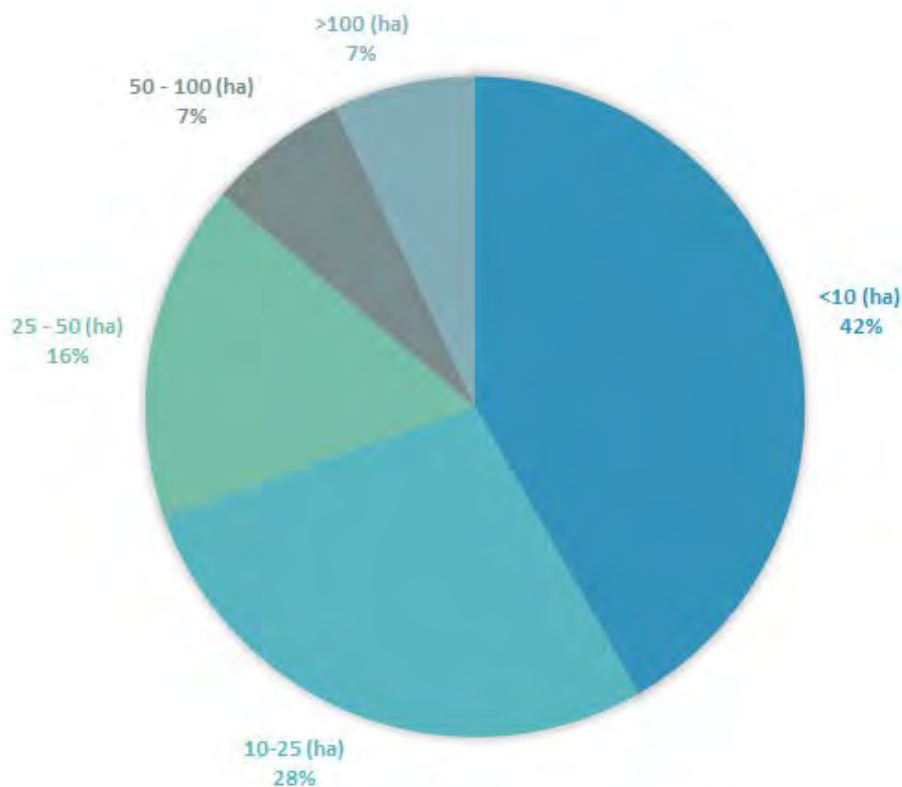
4401

TONNES CRUSHED

Total crush for McLaren Vale Sustainable Winegrowing Australia winery members.

MEMBERSHIP STATISTICS

MEMBERS BY VINEYARD SIZE



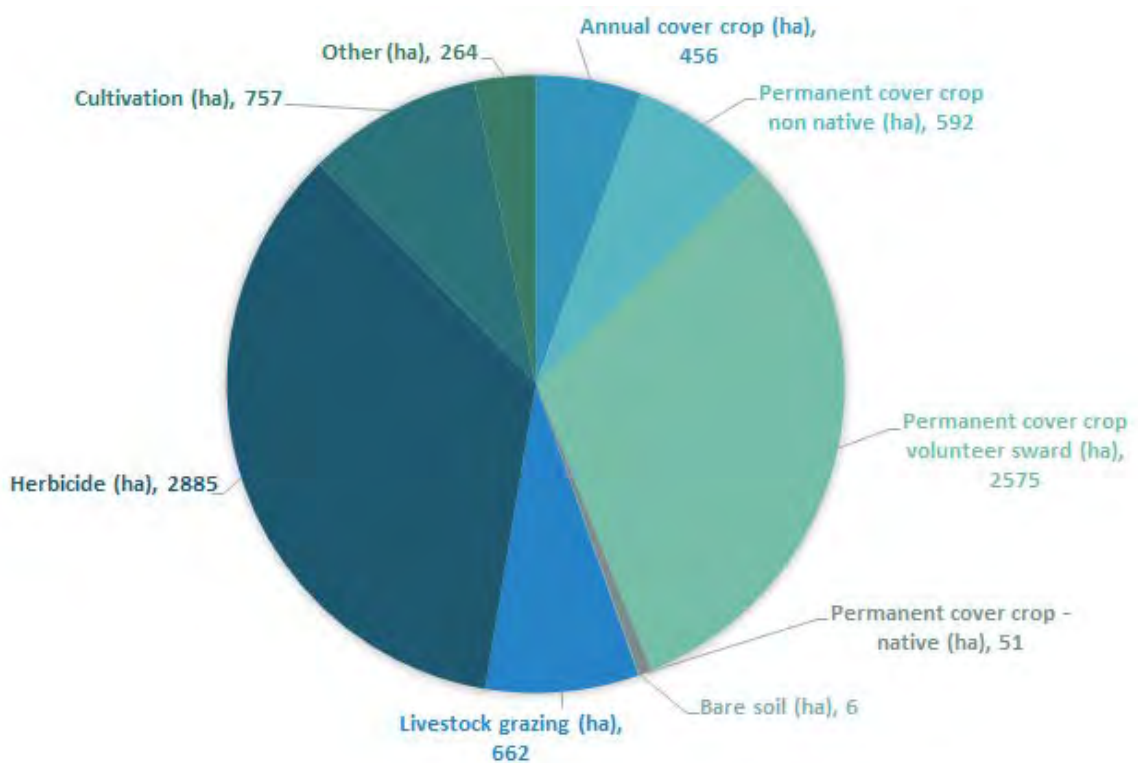
ABOVE: PERCENTAGE OF PROGRAM MEMBERS PER VINEYARD SIZE CATEGORY

70% of program members have vineyards under 25 hectares in size.

While only 7% of members fall in to the 100ha or more category, this represents 48% of McLaren Vale vineyards in the program.

MEMBERSHIP STATISTICS

MIDROW MANAGEMENT



ABOVE: MIDROW MANAGEMENT SYSTEM (TOTAL HECTARES)

Midrow management practices can significantly affect the long term health of soils. Unsustainable practices such as excessive cultivation and over-use of herbicides and synthetic fertilisers can degrade soils. The majority of program members incorporate sustainable practices such as permanent cover crop into their midrow management.

Note: Members were able to select more than one option for Midrow Management, leading to a higher total response rate than total number of hectares.

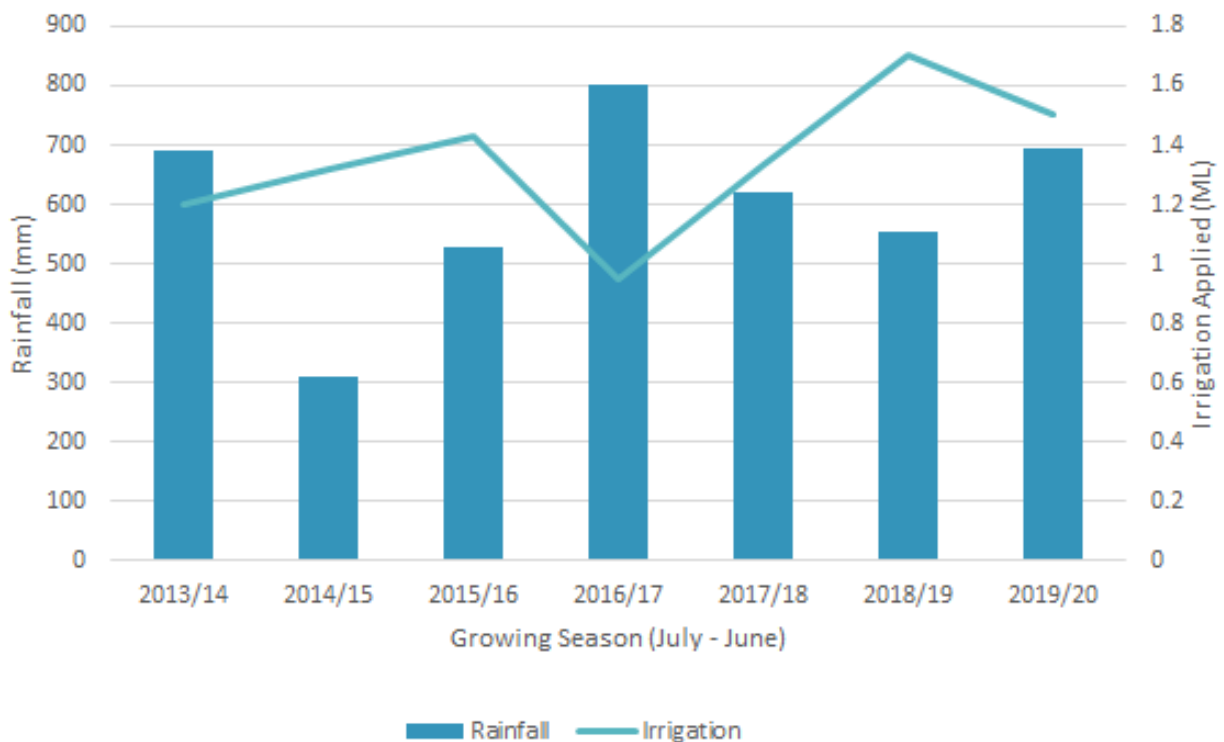
MEMBERSHIP STATISTICS

WATER SOURCE AND USAGE

1.5

MEGALITRES

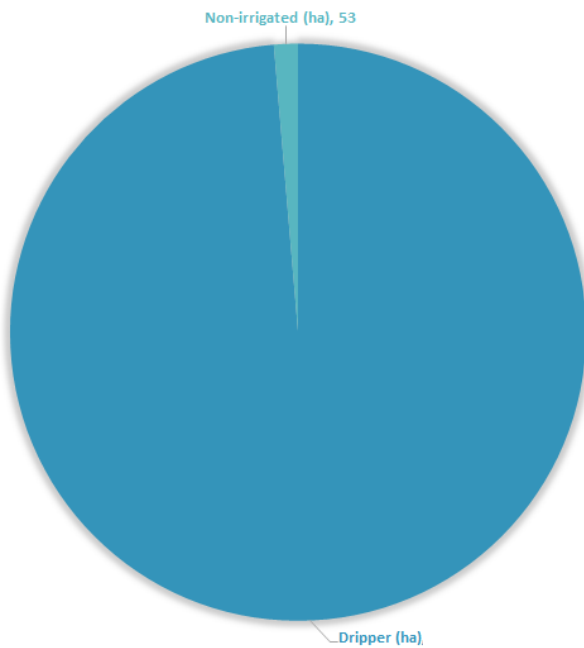
Total irrigation water per hectare of vineyard used by program members
(Down .2 ML from 2018/19)



ABOVE: AVERAGE IRRIGATION APPLIED COMPARED WITH RAINFALL 2013 - 20

Rainfall data source: Bureau of Meteorology, Willunga Weather Station

WATER SOURCE AND USAGE

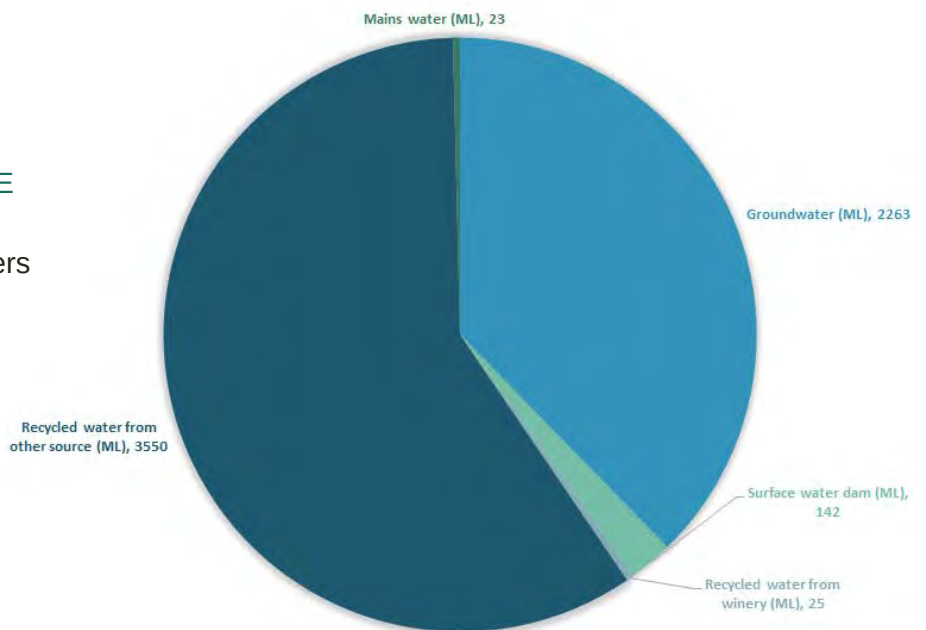


LEFT: TOTAL IRRIGATION DELIVERY BY TYPE

All irrigated vineyards managed using the Sustainable Winegrowing Australia program use drippers.

RIGHT: TOTAL WATER USE BY SOURCE

Sustainable Winegrowing Australia members utilise Willunga Basin Water Company (WBWC) reclaimed water and ground/bore water as the main irrigation sources.





LAND AND SOIL MANAGEMENT

92%

HAVE A SOIL MANAGEMENT PLAN AND BLOCKS ARE TREATED DIFFERENTLY IF NECESSARY.

(UP 2% FROM 2018/19)



97%

HAVE IDENTIFIED THE MAJOR SOIL TYPES IN THEIR VINEYARDS, AND, DEGRADED, ERODED AND/OR CONTAMINATED AREAS HAVE BEEN IDENTIFIED.

(DOWN 1% FROM 2018/19)



71%

HAVE CONDUCTED SOIL ANALYSIS ACROSS THEIR VINEYARD INCLUDING PH, ELECTRICAL CONDUCTIVITY (ECE), EXCHANGEABLE SODIUM PERCENTAGE (ESP), AND ORGANIC CARBON. RECORDS OF THE ANALYSIS ARE KEPT.

(UP 1% FROM 2018/19)



WATER EFFICIENCY

87%

HAVE A PLAN TO MONITOR AND MANAGE WATER WHICH ENABLES THEIR YIELD AND/OR GRAPE QUALITY TARGETS TO BE ACHIEVED. WATER MANAGEMENT IS REVIEWED AT LEAST ANNUALLY. CONTINGENCY PLANS FOR WATER SHORTAGES OR POOR QUALITY WATER HAVE BEEN CONSIDERED.

(UP 2% FROM 2018/19)



76%

MEASURE SOIL MOISTURE USING GYPSUM BLOCKS, CAPACITANCE PROBES OR OTHER METHODS (DIG STICK/SPADE OR VISUAL OBSERVATIONS OF THE CANOPY). THIS IS CONDUCTED IN REPRESENTATIVE AREAS OF THE BLOCKS CONSIDERING SOIL TYPE AND VARIETY.

(UP 5% FROM 2018/19)



88%

SCHEDULE IRRIGATION BASED ON SOIL MOISTURE OR LEAF WATER POTENTIAL DATA, LOCAL WEATHER FORECASTS AND WATER AVAILABILITY, COST AND QUALITY. THE SCHEDULE IS REVIEWED THROUGHOUT THE GROWING SEASON.

(UP 6% FROM 2018/19)





PEST AND DISEASE MANAGEMENT AND CHEMICALS

97%

HAVE A PEST AND DISEASE MANAGEMENT PLAN BASED ON THE PEST AND DISEASE PROBLEMS THAT HAVE AFFECTED THEIR VINEYARD AND/OR REGION IN THE PAST.

(DOWN 1% FROM 2018/19)



77%

MONITOR WEEDS AT LEAST SEVERAL TIMES PER YEAR AND MANAGE THEM USING AN INTEGRATED APPROACH WHICH MAY INCLUDE SYNTHETIC HERBICIDE, ORGANIC HERBICIDE, MECHANICAL OR OTHER METHODS. ALL DECLARED WEEDS ARE CONTROLLED (IF THEY EXIST).

(UP 2% FROM 2018/19)



45%

HAVE APPROPRIATE SIGNAGE AT THE MAIN ENTERANCE TO RAISE AWARENESS AND DETER UNAUTHORISED ACCESS. AT LEAST SOME BOUNDARIES ARE FENCED OFF AS A DETERENT TO ENTRY.

(DOWN 3% FROM 2018/19)



BIODIVERSITY AND ENVIRONMENTAL MANAGEMENT

78%

HAVE MAPPED THEIR DIFFERENT LAND MANAGEMENT UNITS (E.G. VINEYARD, FENCE LINES, BUILDINGS AND ROADS, RIPARIAN STRIPS ETC.).

(UP 4% FROM 2018/19)



53%

HAVE PLANTED MIDROWS, HEADLANDS AND/OR OTHER AREAS OF THE PROPERTY WITH A DIVERSITY OF COVER CROPS, SWARDS AND/OR VEGETATION.

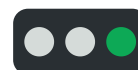
(DOWN 4% FROM 2018/19)



32%

HAVE A WRITTEN BIODIVERSITY ACTION PLAN IN PLACE THAT INCLUDES A LIST OF DEFINED ACTIONS, PRIORITIES AND TIMELINES AND LIST OF ALL THE RESOURCES AVAILABLE.

(UP 4% FROM 2018/19)





BUSINESS AND COMMUNITY

85%

HAVE A BUSINESS PLAN IN PLACE.

(UP 2% FROM 2018/19)



79%

HAVE IDENTIFIED OPERATIONS THAT MAY IMPACT NEIGHBOURS AND THE COMMUNITY. ISSUES AND COMMUNICATION WITH NEIGHBOURS AND COMMUNITY ARE MANAGED AS THEY ARISE.

(UP 4% FROM 2018/19)



99%

CONSIDER THEIR ENERGY, MATERIALS, WATER USAGE AND WASTE GENERATED BY THE EQUIPMENT AND PRODUCTS PURCHASED.

(NO CHANGE)



FUEL, ENERGY, AIR QUALITY AND WASTE

98%

ADHERE TO THE LOCAL COUNCIL AND STATE EPA WASTE REGULATIONS AND GUIDELINES.

(NO CHANGE)



73%

ACTIVELY MANAGE THEIR ACTIVITIES TO REDUCE NEGATIVE IMPACT ON AIR QUALITY.

(UP 2% FROM 2018/19)



96%

CONSIDER THE ENERGY EFFICIENCY WHEN SELECTING AND DESIGNING NEW MACHINERY AND EQUIPMENT.

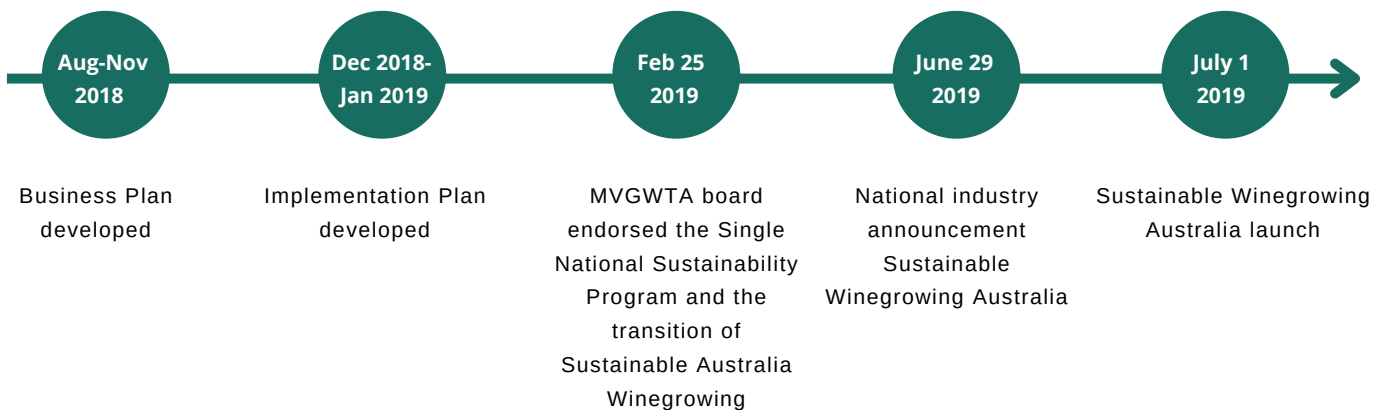
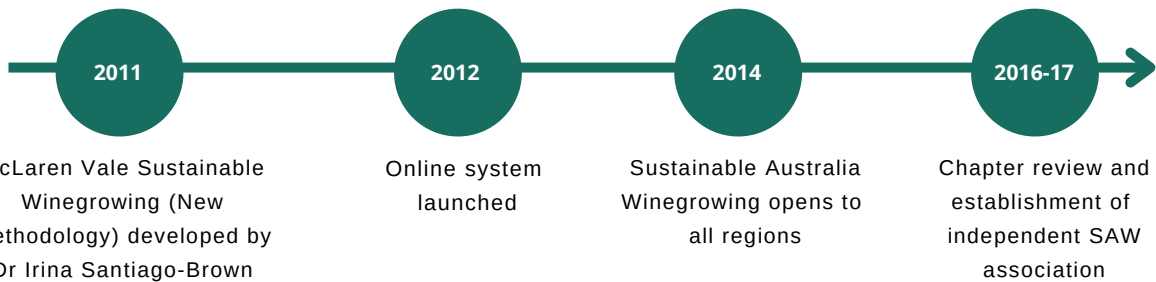
(UP 1% FROM 2018/19)





SUSTAINABLE WINEGROWING AUSTRALIA

McLaren Vale - How did we get here?



SUSTAINABLE WINEGROWING AUSTRALIA

McLaren Vale - acknowledgements

Our Growers, our Wineries, our
Members, our community and our Region.

Our SAW and SWA Program Users and supporters
(past and present).

Our Boards and Chairs of MVGWTA
(past and present).

Our Team of MVGWTA (past and
present) – all team.

SA State Government and industry partners
particularly – Primary Industries and Regions SA (PIRSA), Wine Australia,
Australian Grape & Wine (inclusive of WFA and AV), Australian Wine Research
Institute – Executive and Management Teams (past and current), Board (past and
current), and Chairs (past and current).

Dr Irina Santiago-Brown.

Our SAW Program contributors
to all versions – Codes of Conduct developers, SAW Chapter Authors and Reviewers (for
both versions), our on-line system developer, and our Auditors.

Our regional neighbours and partners,
both within and outside of South Australia.

***This is a shared success in leadership of our regional community
and grape and wine community.***

SUSTAINABLE WINEGROWING AUSTRALIA

Notes

