



Image credit: Duy Huynh

McLAREN VALE 2020–21 REGIONAL DATA



**SUSTAINABLE
WINEGROWING
AUSTRALIA**





INTRODUCTION TO THE DATA

The data displayed in the following tables details the results of all of the wine region’s Sustainable Winegrowing Australia members for the 2020/21 season*.

All members must complete an annual workbook of their vineyard/winery practices. The workbook contains ‘chapters’ or elements including soil, water, biodiversity, chemicals, energy, pest and disease, waste management, business and community impact.

Each chapter or element contains statements covering typical vineyard and/or winery practices against which members self-rate their performance. The sections of each chapter of the workbook contain a set of statements outlining different levels/scores of activity towards achieving best practice.

Each statement beyond a score of 1 is cumulative, that is, 1 must be selected before 2 can be selected. If 2 is selected, then the option to select 3 becomes available etc. The aim is to move from the top to the bottom as shown in the table below.

WORKBOOK EXAMPLE		
Weed control strategy		
<input type="checkbox"/>	N/A - There are no weeds on the property.	
<input checked="" type="checkbox"/>	Weeds are not controlled on the property.	0
<input checked="" type="checkbox"/>	Weeds are controlled/managed as required.	1
<input checked="" type="checkbox"/>	The main problem weeds have been identified and they are targeted at critical times of the year.	2
<input type="checkbox"/>	Weeds are monitored at least several times per year and managed using an integrated approach which may include synthetic herbicide, organic herbicide, mechanical or other methods. All declared weeds are controlled (if they exist).	3
<input type="checkbox"/>	A weed management plan is kept for recording the weeds present, planning and actual control methods used. The plan is reviewed annually to evaluate the effectiveness of the controls and updated with any changes to the plan.	4

A guide to the scores is:

- 0 Unacceptable, requires improvement
- 1 Knowledge in the area
- 2 Action being taken
- 3 Best practice
- 4 Over and above what is considered best practice

Increasing sustainability

*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 30 September 2021. Under Creative Commons Licensing, for reproduction or usage of this publication, permission must be sought from the Australian Wine Research Institute (AWRI) or McLaren Vale Grape Wine and Tourism Association (MVGWTA).



McLAREN VALE WORKBOOK DATA (VINEYARD) – 2020/21

WORKBOOK CHAPTER AND QUESTIONS	SCORE 0	SCORE 1	SCORE 2	SCORE 3	SCORE 4
BIOSECURITY					
Biosecurity risk management	2%	22%	57%	14%	5%
Controlling access	32%	18%	33%	11%	6%
Vineyard and equipment hygiene protocols	7%	61%	17%	14%	1%
Monitoring and reporting	8%	3%	53%	16%	19%
Planting material	13%	23%	25%	19%	19%
LAND, SOIL AND NUTRIENT MANAGEMENT					
Management of degraded, eroded or contaminated areas	0%	19%	17%	22%	9%
Nutrient management	9%	26%	12%	39%	15%
Soil organic matter & organic carbon content	14%	22%	30%	14%	22%
Fertiliser and soil additive storage and handling	11%	20%	26%	33%	11%
Fertiliser and soil additive equipment maintenance and calibration	2%	31%	21%	41%	6%
Fertiliser and soil additive application and records	10%	34%	8%	27%	20%
PEST AND DISEASE MANAGEMENT					
Pest, weed and disease management program	2%	8%	38%	27%	27%
Agrochemical purchasing and receipt	7%	18%	29%	20%	27%
Agrochemical storage	0%	28%	11%	31%	31%
Agrochemical inventory management	0%	12%	32%	27%	29%
Agrochemical disposal	1%	11%	40%	25%	23%
Agrochemical training	1%	18%	20%	52%	8%
Agrochemical use	0%	10%	36%	21%	33%
Avoidance of spray drift	1%	0%	13%	78%	8%
Calibration and maintenance of spray application equipment	1%	6%	23%	54%	16%
Agrochemical handling and environmental risk	1%	25%	5%	54%	15%
Agrochemical application records	1%	13%	26%	19%	42%
Agrochemical contractors	2%	13%	13%	13%	23%
WATER					
Water management	0%	8%	58%	17%	16%
Water sources	0%	24%	10%	23%	44%
Irrigation infrastructure, efficiency and capacity	1%	18%	24%	18%	39%
Water licences & permits and record keeping	3%	23%	21%	28%	25%
Water quality	5%	20%	20%	15%	39%
Irrigation scheduling & soil moisture monitoring	0%	17%	11%	56%	16%
Managing adverse weather events using irrigation	0%	2%	13%	18%	67%

The above table details the workbook results of all McLaren Vale Wine Region Sustainable Winegrowing Australia members for the 2020/21 season. Values represent the number of Sustainable Winegrowing Australia McLaren Vale members that achieved the listed score for each question where the management practice was applicable to the vineyard or winery.



McLAREN VALE WORKBOOK DATA (VINEYARD) – 2020/21

WORKBOOK CHAPTER AND QUESTIONS	SCORE 0	SCORE 1	SCORE 2	SCORE 3	SCORE 4
BIODIVERSITY					
Biodiversity management	14%	16%	46%	19%	6%
Enhancement of regional biodiversity	24%	38%	8%	14%	16%
WASTE					
Waste management	1%	22%	50%	22%	5%
Waste storage, disposal, and transport	1%	15%	67%	11%	6%
Purchasing materials and inputs to minimise waste	5%	16%	56%	9%	15%
AIR QUALITY					
Air quality management program	3%	20%	48%	25%	4%
ENERGY AND FUEL					
Responsible sourcing - energy and purchase decisions	3%	19%	33%	21%	24%
Energy efficient operating practices	3%	22%	52%	19%	4%
Service and maintenance records	5%	19%	20%	22%	35%
Energy use	2%	25%	47%	18%	8%
Bulk fuel storage	1%	37%	13%	39%	9%
COMMUNITY					
Community engagement	1%	15%	41%	38%	5%
Adapting to changes in supply and demand	2%	6%	13%	33%	45%
Responsible sourcing of goods and services	5%	19%	39%	31%	7%
DOCUMENTATION OF SUSTAINABLE MANAGEMENT					
Business scope & commitment to sustainability	1%	11%	59%	12%	17%
Property map	2%	31%	16%	32%	19%
Business activities	7%	29%	35%	20%	9%
Sustainability action planning	28%	36%	8%	16%	12%
Sustainable Winegrowing Australia Certification	6%	44%	13%	15%	21%
Document verification	4%	7%	45%	19%	26%
Training and development of workers	2%	30%	15%	32%	21%
Site instructions	17%	7%	38%	26%	12%
Business communication with customers	0%	6%	14%	33%	48%
Customer, legal and regulatory requirements	0%	21%	39%	22%	18%
Incident management planning for business continuity	6%	16%	48%	23%	7%
Internal audit	5%	50%	17%	10%	18%
Corrective & preventative action	1%	47%	23%	9%	20%
Management review of compliance and documentation	11%	50%	16%	9%	14%
Use of the Sustainable Winegrowing Australia trust mark	11%	53%	9%	5%	22%

The above table details the workbook results of all McLaren Vale Wine Region Sustainable Winegrowing Australia members for the 2020/21 season. Values represent the number of Sustainable Winegrowing Australia McLaren Vale members that achieved the listed score for each question where the management practice was applicable to the vineyard or winery.



McLAREN VALE WORKBOOK DATA (VINEYARD) – 2020/21

WORKBOOK CHAPTER AND QUESTIONS	SCORE 0	SCORE 1	SCORE 2	SCORE 3	SCORE 4
BUSINESS MANAGEMENT					
Budgeting	5%	23%	14%	44%	13%
Profitability	5%	22%	8%	10%	55%
Business performance review	2%	10%	57%	12%	19%
Grape sale contracts	3%	5%	12%	22%	58%
Contractor selection	1%	4%	22%	26%	47%
Contractor hiring	13%	57%	15%	7%	7%
Worker obligations and compliance	4%	50%	15%	9%	21%
Remuneration	5%	9%	5%	16%	66%
WHS policy and program	5%	14%	38%	14%	29%

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McLAREN VALE WORKBOOK DATA (WINERY) – 2020/21

WORKBOOK CHAPTER AND QUESTIONS	SCORE 0	SCORE 1	SCORE 2	SCORE 3	SCORE 4
BIOSECURITY					
Biosecurity risk management	0%	0%	29%	71%	0%
Controlling access	0%	0%	29%	43%	29%
Vineyard and equipment hygiene protocols	0%	50%	17%	33%	0%
Monitoring and reporting	0%	0%	43%	29%	29%
CHEMICAL MANAGEMENT					
Selection of hazardous chemicals and dangerous goods	0%	0%	43%	29%	29%
Purchase and receipt of hazardous chemicals and dangerous goods	0%	0%	0%	71%	29%
Storage and handling of hazardous chemicals and dangerous goods	0%	0%	14%	14%	71%
Inventory management of hazardous chemicals and dangerous goods	0%	0%	43%	29%	29%
Disposal of hazardous chemicals and dangerous goods	0%	14%	14%	43%	29%
Use of hazardous chemicals and dangerous goods	0%	0%	0%	57%	43%
Maintenance of hazardous chemicals and dangerous goods equipment	14%	0%	14%	0%	71%
WATER MANAGEMENT					
Water management	0%	0%	43%	43%	14%
Water sources	0%	0%	0%	43%	57%
Water licences & permits and record keeping	0%	0%	43%	14%	43%
WASTEWATER MANAGEMENT					
Wastewater capture and management system	0%	29%	14%	43%	14%
Minimise wastewater generation and environmental harm	29%	0%	43%	14%	14%
Minimise soil degradation, erosion & contamination from wastewater	14%	14%	14%	14%	14%
Wastewater treatment and irrigation/discharge system	14%	0%	29%	0%	29%
BIODIVERSITY					
Biodiversity management	0%	0%	0%	86%	14%
Enhancement of regional biodiversity	14%	29%	0%	14%	43%
AIR QUALITY					
Air quality management program	0%	14%	0%	71%	14%

The above table details the workbook results of all McLaren Vale Wine Region Sustainable Winegrowing Australia members for the 2020/21 season. Values represent the number of Sustainable Winegrowing Australia McLaren Vale members that achieved the listed score for each question where the management practice was applicable to the vineyard or winery.

McLAREN VALE WORKBOOK DATA (WINERY) – 2020/21

WORKBOOK CHAPTER AND QUESTIONS	SCORE 0	SCORE 1	SCORE 2	SCORE 3	SCORE 4
WASTE					
Waste management	0%	0%	29%	57%	14%
Waste storage, disposal and transport	0%	0%	14%	71%	14%
Purchase of materials and inputs to minimise waste	0%	29%	57%	14%	0%
Grape stalks and marc	0%	0%	14%	57%	29%
COMMUNITY					
Community engagement	0%	0%	57%	43%	0%
Responsible sourcing of materials and services	0%	29%	0%	57%	14%
Adapting to changes in supply and demand	0%	14%	0%	57%	29%
DOCUMENTATION OF SUSTAINABLE MANAGEMENT					
Business scope & commitment to sustainability	0%	0%	29%	43%	29%
Property map	0%	0%	14%	57%	29%
Business activities	0%	0%	43%	57%	0%
Sustainability action planning	0%	14%	0%	71%	14%
Sustainable Winegrowing Australia Certification	14%	0%	0%	57%	29%
Document verification	0%	0%	0%	71%	29%
Training and development of workers	0%	0%	0%	71%	29%
Site instructions	0%	0%	0%	71%	29%
Business communication with customers	0%	0%	14%	29%	57%
Customer, legal and regulatory requirements	0%	0%	14%	43%	43%
Incident management planning for business continuity	0%	0%	0%	86%	14%
Internal audit	0%	0%	29%	57%	14%
Corrective & preventative action	0%	0%	0%	43%	57%
Management review of compliance and documentation	0%	14%	43%	29%	14%
Use of the Sustainable Winegrowing Australia trust mark	25%	25%	25%	25%	0%
Spill risks	14%	0%	14%	43%	29%
Product identification and traceability	0%	0%	0%	14%	86%
Product withdrawal and recall	0%	0%	29%	43%	29%

The above table details the workbook results of all McLaren Vale Wine Region Sustainable Winegrowing Australia members for the 2020/21 season. Values represent the number of Sustainable Winegrowing Australia McLaren Vale members that achieved the listed score for each question where the management practice was applicable to the vineyard or winery.



McLAREN VALE WORKBOOK DATA (WINERY) - 2020/21

WORKBOOK CHAPTER AND QUESTIONS	SCORE 0	SCORE 1	SCORE 2	SCORE 3	SCORE 4
BUSINESS MANAGEMENT					
Business Planning and Performance	0%	0%	0%	86%	14%
Profitability	0%	43%	0%	0%	57%
Business performance review	0%	0%	71%	29%	0%
Grape and wine sale/purchase contracts	0%	0%	0%	50%	50%
Contractor management	0%	0%	38%	13%	50%
Contractor selection	0%	0%	38%	13%	50%
Contractor hiring	0%	25%	50%	13%	13%
Human resources and work health & safety (WHS)	0%	0%	0%	14%	86%
Remuneration	0%	0%	0%	29%	71%
WHS policy and program	0%	0%	29%	43%	29%

The above table details the workbook results of all McLaren Vale Wine Region Sustainable Winegrowing Australia members for the 2020/21 season. Values represent the number of Sustainable Winegrowing Australia McLaren Vale members that achieved the listed score for each question where the management practice was applicable to the vineyard or winery.



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The Australian Wine
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