

## Yalumba's Environmental Management System (EMS)

Yalumba's EMS is a systematic approach to managing actual or potential impacts on the environment. It provides Yalumba with a management framework to achieve continuous improvement through a 'plan-do-check-review' cycle within which best business practices can be integrated. An EMS is essentially about corporate governance - the way in which a business is organised and held responsible.



Yalumba's EMS is managed by a certified environmental practitioner, demonstrating the organisation's commitment to a high standard in ethical and environmental practice.



## Land Stewardship – Yalumba's *Vitis* Programme

Through best management practices Yalumba's *Vitis* programme promotes an integrated approach to vineyard management, which makes efficient use of natural resources, stems environmental decline, regenerates resources, and advances environmental health and safety for all stakeholders. *Vitis* is a holistic approach, promoting the economic production of quality grapes with a minimal reliance on pesticides and maximum attention to environmental outcomes. It is an ecosystem approach to vineyard management.



## Product Stewardship



As a signatory to the National Packaging Covenant and other international post-consumer packaging schemes Yalumba is implementing a comprehensive action plan to demonstrate continuous improvement in packaging waste reduction and management. The action plan includes aspects of packaging design and production as well as consumer education.

## Greenhouse Challenge

Yalumba is the first Australian wine company, and one of the first enterprises operating in the agricultural sector, to undertake a Greenhouse Challenge co-operative agreement, having joined the programme in 1999. Yalumba has adopted a life cycle approach to continuous improvement in energy conservation, efficient energy consumption, fuel substitution and clean technology. Moreover, Yalumba is setting aside land for conservation and carbon sequestration.



## Waste Management

Yalumba recognises waste minimisation and pollution prevention as a core requirement of responsible entrepreneurship. Yalumba has a solid waste reduction and recycling programme, and continues to explore best available technology economically achievable to reduce, recycle and reuse wastewater produced from its operations. Under South Australia's Environment Protection Act winemaking operations are subject to agreed licence conditions aimed at minimising significant environmental impacts from the management of winery by-products.



## Environmental Citizenship



Environmental citizenship is the most fundamental component of Yalumba's environmental programme - environmental gains cannot be achieved without an informed and active stakeholder group. It is the civic duty of every stakeholder to take all reasonable and practical measures to prevent or minimise any environmental harm whilst undertaking an activity. The Menzies Wine Room and Landscape Interpretive Centre is an integral component of this stakeholder-awareness programme.

## Management Accounting for Sustainability

Environmental management accounting identifies, collects, analyses and communicates information principally for management use. The process contributes to



- Activity-based management
- Efficiencies in resource use
- Accurate costing and pricing of products and services
- Strategic and operational planning
- Total quality environmental management

For further information contact ...

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## Commitment to Sustainable Winemaking

THE YALUMBA WINE COMPANY

## A Commitment to Sustainable Business Practices

The Yalumba Wine Company is the oldest family-owned wine company in Australia. Its principal aim is to be recognised as the finest independent wine company in Australia. This commitment and dedication to excellence spans all activities from vineyard practices to consumer service.

As a wine business operating in the rural environment for over 150 years Yalumba understands the significance of sustainability. Therefore, Yalumba does not only aim to meet its legal obligations but, as part of normal operating practice, also strives to integrate cost-effective environmental and social objectives into relevant business activities.

At Yalumba environment-friendly sustainable activities are recognised as an intrinsic aspect of wine quality. In order to substantiate this aspect of quality Yalumba is implementing a brand stewardship programme that reflects authenticity, due diligence, product safety and credible environmental management. By addressing those activities that have a significant environmental impact Yalumba ensures its employees and other stakeholders a healthy and productive life in an environment that is safe, aesthetically pleasing and ecologically functional.



Yalumba is committed to working co-operatively with its suppliers of goods and services to help them minimise their environmental impacts by adopting clean technology and best practice procedures. This approach to supply chain management is emphasised through its integrated procurement policy, which strives to strike a balance between price, quality, environmental and safety issues, and availability. All things being equal, Yalumba also strives to give preference to locally produced goods and services. Furthermore, the company seeks to encourage its customers to dispose of product packaging in an environmentally and socially responsible manner.

Through a programme of continuous improvement and monitoring Yalumba continues to deliver authentic Australian wines, making it the natural choice of the discerning consumer.

**YALUMBA'S COMMITMENT TO SUSTAINABLE WINEMAKING PROGRAMME**

<b>Governance</b>	<p align="center"><b>MANAGEMENT SYSTEM BASED ON ISO9001 and ISO14001</b></p> <p><b>General Objective:</b> To contribute to the sustainability of the firm by demonstrating a high standard of due diligence and corporate environmental citizenship.                  [ Policy → Objectives → Targets → Actions (Best Practices) → Outcomes (Value Adding) → Review ↻ ]                  Environmental Policy = Waste Minimisation &amp; Pollution Prevention Strategy + Heritage Conservation Strategy + Best Practice + Stakeholder Engagement</p>				
	<b>Objective</b>	<p align="center"><b>LAND STEWARDSHIP</b></p> <p>To sustainably produce quality grapes by creating a cultivated but balanced vineyard ecosystem that makes efficient use of natural capital, stems environmental decline, regenerates resources and promotes environmental health and safety.</p>	<p align="center"><b>PRODUCT STEWARDSHIP</b></p> <p>To demonstrate extended and shared producer responsibility through continuous improvement in packaging waste reduction and management.</p>	<p align="center"><b>GREENHOUSE CHALLENGE - Mitigation &amp; Adaptation -</b></p> <p>To minimise the emissions of greenhouse gases throughout the life cycle of wine and to encourage the conservation of greenhouse sinks.</p>	<p align="center"><b>WASTE MANAGEMENT</b></p> <p>To achieve high levels of eco-efficiency by using environmental resources more efficiently, thereby reducing ecological impact and resource intensity throughout the life cycle of quality wine.</p>
<b>Action Plan</b>	<p align="center">The <i>Vitis</i> Programme</p> <p>1. <i>Integrated Viticultural Production</i></p> <ul style="list-style-type: none"> <li>Agchemical Management (pesticides and fertilisers)</li> <li>Biodiversity Management</li> <li>Energy Conservation</li> <li>Integrated Pest Management</li> <li>Irrigation Management</li> <li>Soil Nutrient Management</li> <li>Soil Structure Management</li> <li>Waste Management</li> </ul> <p>2. <i>Mainstreaming of Biodiversity Conservation</i></p> <ul style="list-style-type: none"> <li>Land Set-Aside for Conservation</li> <li>Conservation of Ecosystem Services in Vineyard &amp; Winery Properties</li> </ul>	<ul style="list-style-type: none"> <li>Membership of the National Packaging Covenant &amp; other International Product Stewardship Schemes</li> <li>Greener Business Alliance Network</li> <li>Eco-labelling and other Consumer Information</li> <li>Lightweighting of Packaging</li> <li>EcoRedesign™ of Packaging</li> <li>Stakeholder Education and Awareness</li> <li>Support for Kerbside Recycling</li> <li>Support for Litter Reduction</li> <li>Support for Market Development</li> <li>Research</li> </ul>	<p align="center">The <i>Bacchus</i> Programme</p> <p>1. <i>Mainstreaming of Lifecycle Thinking and Lifecycle Management</i></p> <p>2. <i>Reduction of Greenhouse Gas Emissions</i></p> <ul style="list-style-type: none"> <li>Energy Conservation</li> <li>Logistics - stock control, transport &amp; distribution</li> <li>Packaging Stewardship</li> </ul> <p>3. <i>Greenhouse Sinks &amp; Sustainable Land Management</i></p> <ul style="list-style-type: none"> <li>Land Set-Aside for Greenhouse Gas Sequestration</li> <li>Integrated Best Practice Environmental Management</li> </ul> <p>4. <i>Stakeholder Engagement</i></p> <p>5. <i>Strategic Alliances &amp; Communications</i></p>	<p>1. <i>Wastewater Management Plan</i></p> <ul style="list-style-type: none"> <li>Monitoring Programme</li> <li>Odour Control</li> <li>Best Practice Land-Based Wastewater Treatment</li> <li>Emergency Contingency Plan</li> <li>Wastewater Improvement Programme</li> <li>Stakeholder EPA Licence Awareness Programme</li> <li>Independent Verification</li> </ul> <p>2. <i>Lean, Clean &amp; Green Production, Packaging &amp; Distribution</i></p> <ul style="list-style-type: none"> <li>Environmentally Preferred Purchasing of Goods and Services</li> <li>Waste Reduction</li> <li>Value Chain Management</li> </ul>	<p align="center"><i>Share Yalumba</i></p> <p>Environmental Communications Programme</p> <p>1. <i>Professional Training &amp; Lifelong Learning</i></p> <ul style="list-style-type: none"> <li>Identification of Learning Needs</li> <li>Competency-Based Accredited Training - implementation of environment policies and procedures</li> <li>On-going Evaluation &amp; Review</li> </ul> <p>2. <i>Stakeholder Relationship Management</i></p> <ul style="list-style-type: none"> <li>Strategic Tracking of Stakeholder Awareness, Attitudes and Behaviour</li> <li>Performance as a function of Stakeholder Satisfaction</li> </ul> <p>3. <i>Wine and Landscape Interpretation</i></p> <ul style="list-style-type: none"> <li>Sense of place</li> <li>Wine - the product of the elements earth, air, water &amp; energy</li> </ul>
<p align="center"><b>MANAGEMENT ACCOUNTING FOR SUSTAINABILITY</b></p> <p><b>Objective:</b> To generate physical and financial information for internal decision-making and to break environmental costs out of overheads attributing them to products, processes, systems or departments in order to enhance environmental performance and reduce overall environmental costs</p>					
<b>Target</b>	<p align="center"><b>Sustainable Competitive Advantage &amp; Profitability</b>  <b>Stewardship of Earth, Air, Water and Energy</b>  <b>Assurance of Corporate Responsibility</b></p>				
<b>Outcomes</b>	<p align="center"><b>CORPORATE SUSTAINABILITY</b></p> <p align="center">Comprehensive Brand Image &amp; Reputation: Consumer Knowledge - Differentiation - Relevance - Esteem                  Maintenance or Improvement of Economic Viability                  Maintenance or Enhancement of Production                  Protection of Environmental Integrity                  Consumer &amp; Stakeholder Satisfaction                  Minimisation of Risk</p>				